

US EPA ARCHIVE DOCUMENT

Enbridge Energy, Limited Partnership
1601 Pratt Avenue
Marshall, Michigan 49068



June 24, 2011

Mr. Ralph Dollhopf
Federal On-Scene Coordinator and Incident Commander
U.S. Environmental Protection Agency
801 Garfield Avenue, #229
Traverse City, MI 49686

Re: In the Matter of Enbridge Energy Partners, L.P., *et al*,
Docket No. CWA 1321-5-10-001

Dear Mr. Dollhopf:

Pursuant to the approved Second Supplement to the Response Plan for Downstream Impacted Areas and the Source Area Response Plan Commonly Referred to as the "Work Plan for Supplemental Poling in Morrow Lake" dated June 21, 2011 Enbridge Energy, Limited Partnership, et al, (Enbridge) is submitting the enclosed Summary of Findings: Addendum to the Reassessment Report Commonly Referred to as the Morrow Lake Poling Report.

The submittal includes five (5) hard copies of the Morrow Lake Poling Report along with three (3) CD's containing an electronic copy of the report which were delivered to the START cage located at 1601 Pratt Ave.

Through this letter, I certify that the electronic copy of the report is identical to the hard copies of this report.

If you have any questions about these materials, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. M. Steede', followed by a horizontal line.

Robert M. Steede, PE
Manager, Environment Operations - US

Cc (letter only): Mike Alexander, DEQ
Mark DuCharme, DEQ
John Sobojinski

**Enbridge Line 6B MP 608
Marshall, MI Pipeline Release**

**Summary of Findings: Addendum to the Reassessment Report
Commonly Referred to as the
Morrow Lake Poling Report**

Prepared for United States Environmental Protection Agency

Enbridge Energy, Limited Partnership

Submitted: June 24, 2011

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LIST OF ACRONYMS

cfs	cubic feet per second
Enbridge	Enbridge Energy, Limited Partnership
GPS	Global Positioning System
Line 6B	The pipeline owned by Enbridge Energy, Limited Partnership that runs just south of Marshall, Michigan
MDEQ	Michigan Department of Environmental Quality
MP	Mile Post
ORO	Oil Range Organics
PEC	Probable Effect Concentration
PNAs	Polynuclear Aromatic Hydrocarbons
SAP	<i>Sampling and Analysis Plan</i>
SO	Submerged Oil
SOTF	Submerged Oil Task Force
TPH	Total Petroleum Hydrocarbons
U.S. EPA	United States Environmental Protection Agency
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
USGS	United States Geological Survey
VOCs	Volatile Organic Compounds
Work Plan	Second Supplement to the Response Plan for Downstream Impacted Areas and the Source Area Response Plan, Commonly Referred to as the "Work Plan for Supplemental Poling in Morrow Lake"

1.0 Introduction

The Second Supplement to the Response Plan for Downstream Impacted Areas and the Source Area Response Plan, Commonly Referred to as the “Work Plan for Supplemental Poling in Morrow Lake” (Work Plan) was previously submitted and approved by the United States Environmental Protection Agency (U.S. EPA). This Summary of Findings is being submitted as an addendum to the Shoreline and Overbank Reassessment MP 0.00 through MP 40.00 and Submerged Oil Reassessment MP 0.00 through MP 37.8 Report submitted on June 17, 2011.

1.1 Poling Approach and Objectives

Poling methods were used to characterize and evaluate the degree of submerged oil in Morrow Lake in accordance with the Work Plan. Poling involves disturbance of bed sediments with a disk that is positioned at the end of a pole. Oil or sheen, if any, that buoys to the water surface following the sediment disturbance was categorized based on the observed oil at the water surface following agitation. A more detailed description of the poling methods is provided in Section 1.4.

The objectives for the 2011 reassessment poling work in Morrow Lake were as follows:

- Identify and delineate submerged oil areas (heavy and/or moderate) in Morrow Lake.
- Assess the relationship between observed oil sheen and lake sediment.
- Assess the distribution and degree of submerged oil in areas where moderate or heavy submerged oil was detected in 2010 and 2011, respectively, to characterize temporal change.
- Evaluate the potential for transport of submerged oil within the lake or from upstream source areas.

1.2 Factors that Influence Submerged Oil Presence

The presence of submerged oil in the river system is influenced by the proximity to the source release and those factors that influence transport and residence in the river system. The crude oil was released on July 26, 2010 near Marshall, Michigan about 2 miles upstream from the mouth of Talmadge Creek, which is a tributary of the Kalamazoo River. Factors, other than source location, that influence the presence of submerged crude oil are hydrology and fluvial geomorphology, including sediment characteristics and channel longitudinal profile.

Following are descriptions of the potential factors that influence the presence of submerged oil in the river system, which includes Morrow Lake.

1.2.1 Hydrology

Hydrology is pertinent to the interpretation of results because the Kalamazoo River basin was subject to a significant storm event prior to the oil release. The elevated flow rates and corresponding increase in river stage expedited the transport of the spilled oil down the river system. The total precipitation reported over a four day period at Ceresco, Michigan just prior to the oil release was 5.7 inches. The Kalamazoo River discharge at Marshall, Michigan increased from a mean daily flow of 450 cubic feet per second (cfs) (4.73 feet stage) on July 22, 2010 to a peak discharge of 1,720 cfs (7.36 feet stage) on July 26, 2010 the day of the oil release. The return frequency for the peak discharge was about 25 years.

Above normal flow rates in the Kalamazoo River during the late winter 2010 and spring 2011 were associated with heavy precipitation events. The median daily flow at the Marshall United State Geological Survey (USGS) Gage Station for the months of April and May 2011, based on statistical analysis of 42 years of data, is about 500 cfs. The recorded flow at the Marshall USGS Station for April and May 2011 was typically above median daily flow rates, with a maximum flow near 1,000 cfs. The influence of these elevated flow rates on the submerged oil condition (potential for transport and redeposition) was evaluated from 2011 poling data.

1.2.2 Fluvial Geomorphology

Fluvial geomorphology is a discipline that includes the study of river formation, evolution, and function (energy distribution). Geomorphic analysis considers those physical parameters including surface features, erosion, and deposition that influence the river characteristics and associated distribution of contaminants. Fluvial geomorphic methods can be used to support sampling design, interpretations to characterize areas based on potential for contaminant distribution, and remedial action decisions. Fluvial geomorphic parameters include sediment characteristics and channel longitudinal profile, which are described below.

Sediment Characteristics: Sediment characteristics, particularly the particle size distribution, provide insight to the potential presence of submerged oil. Fine-grained sediment particles (e.g. silt) tend to occur in lower flow or low energy portions of the river system. Fine-grained particles are less common in high energy flow systems because they are typically subject to erosion and transport as compared to coarse-grained sediment (e.g. sand). Crude oil, an

organic carbon, has more of an affinity to other organic carbon compounds than to non-organic mineral components of sediment. The organic matter complex of fine-grained sediment is typically considerably greater than that of coarse-grained sediment. Therefore, the potential for the presence of submerged crude oil is greater in a low flow environment that is subject to deposition of fine-grained sediment that has an affinity for oil.

Channel Longitudinal Profile: There typically is a direct relationship between channel gradient and flow velocity (i.e. increased slope correlates to increased flow velocity). Likewise, there is an inverse relationship between flow velocity and deposition. An increase in sediment deposition is associated with a decrease in flow velocity. Finer-grained sediment deposits and crude oil are more probable in channel sections with lower gradients. The channel gradient in Morrow Lake is negligible due to the installation of the Morrow Lake Dam.

1.3 Bathymetry/Geomorphology

A single beam bathymetric survey of Morrow Lake was conducted in September 2010 (Figure 1). This data along with geomorphic interpretations were used to map geomorphic surfaces of Morrow Lake (Figure 2). Significant geomorphic environments within Morrow Lake include the following:

Thalweg: The thalweg of the Kalamazoo River enters Morrow Lake at MP 37.8, forming a deep cut as water velocity increases in the narrow neck between the Morrow Lake Delta and the lake itself.

Sediment Fan: A broad sediment fan is present at the east end of Morrow Lake, where water velocity decreases upon entering the lake and suspended sediment is deposited.

Former Channel: The pre-dam course of the Kalamazoo River is visible in the bathymetry of the Morrow Lake bed. It is especially visible at the western end of the lake and has been largely obscured by recent sediment deposition on the sediment fan at the eastern end.

Former Oxbow: Subtle bathymetry changes reveal the presence of possible former channels of the meandering pre-dam Kalamazoo River.

Former Floodplain: The dominant feature of the Morrow Lake bed is the broad, flat floodplain adjacent to the former channel.

Remnant Terrace/Upland: Remnant terraces and areas of upland are present along the lake shorelines and as isolated areas of raised topography within the center of the lake. These areas, like other remnant features of the former river system, were submerged when Morrow Lake Dam was constructed, flooding all or part of the upstream river valley to approximately MP 36.0.

1.4 Poling Description

1.4.1 Methods

Softer, fine grained sediment typically includes higher concentrations of organic carbon which potentially can absorb and retain submerged oil. Poling is a qualitative method used to assess soft sediment thickness and distribution, and the degree of observed submerged oil. A portable Global Positioning System (GPS) instrument was used to document the coordinates for each poling location. Prior to poling, the depth from the water surface to sediment surface was determined by gradually lowering a 6-inch diameter disk that was attached to the end of a pole graduated with 0.1-foot intervals. After the water depth was determined, a 1 3/4-inch diameter pole (without a disk) with maximum graduations of 0.1-foot, was pushed vertically through the sediment until advancement was restricted to estimate soft sediment thickness and the channel bed type (e.g. gravel). The GPS coordinates, water depth, advancement depth, soft sediment thickness and/or bed characteristics were documented for each poling location.

In addition, a pole with a 6-inch diameter disk attached at the base was used to agitate the sediment. The degree of submerged oil that was observed at the water surface following sediment agitation was described as heavy, moderate, light, or none.

1.4.2 Poling Locations

Poling locations were selected based on the geomorphology of Morrow Lake, utilizing both bathymetry and geomorphic mapping, as well as existing poling data. Poling density was greater at the eastern end of the lake and decreases moving west towards Morrow Lake Dam. This poling location density transition was based on the distance from the source and the depositional environment. The eastern end of the lake is closer to submerged oil inputs and has a geomorphic environment more favorable to submerged oil deposition (sediment fan).

Poling density was also increased along the lake margins since currents combined with shallow water may transport contaminated sediments further into the lake along these margins. The poling process in Morrow Lake utilized an iterative approach by considering data results to assess the need and distribution of additional poling locations.

Poling locations were also distributed to obtain data from those geomorphic surfaces that are described in Section 1.3. The distribution of poling locations for 2011 and 2010 are shown in Figures 3 and 4, respectively. Photographs of various poling locations are provided in Attachment A.

2.0 Submerged Oil Poling Results and Discussion

Poling data in Morrow Lake were used to assess the submerged oil condition over time (temporal change). Poling data in Morrow Lake was obtained in selected areas in fall 2010 and in May and June 2011. The results of the spring 2011 reassessment poling data are described below in terms of geomorphic characteristics that influence the residence of submerged oil in the river and also the observed change in the submerged oil condition (spatial and degree) over time.

2.1 Submerged Oil Poling Results

All Morrow Lake poling data results are provided in Table 1. Data and observations for delineated areas classified as heavy to moderate („heavy/moderate“) submerged oil, are provided in Table 2. Poling assessment results for 2011 and 2010 are provided in Figure 3 and Figure 4, respectively.

Spring 2011 submerged oil reassessment data for this river segment shows:

- Delineated areas that were classified as 'heavy/moderate' submerged oil in 2010 or 2011 are typically associated with soft sediment deposits.
- Poling locations with 'heavy/moderate' submerged oil increased from 3 in 2010 to 93 in 2011.
- Total „heavy/moderate“ delineated area in Morrow Lake is 92.1 acres.
- 'Heavy/moderate' submerged oil is associated with the sediment fan at the east end of Morrow Lake.

2.2 Discussion

The Kalamazoo River flow velocity decreases as it discharges into the impoundment of Morrow Lake resulting in sediment deposition and fan formation. The 'heavy/moderate' submerged oil is associated with the sediment fan deposits. The poling data suggests that in 2011 some resuspended sediment and associated submerged oil upstream has redeposited in Morrow Lake. This assumption seems reasonable considering the above normal 2011 spring flow rates in the Kalamazoo River as described in Section 1.2 (Hydrology).

3.0 Sampling

3.1 Methods

3.1.1 Sediment Sampling - 2010 Submerged Oil Task Force (SOTF)

Sediment sampling was conducted in Morrow Lake in the fall of 2010. A pontoon boat was used with a check valve sampler; one at the east end of the lake and two near Morrow Lake Dam (Figure 5). The cores were logged using United States Department of Agriculture (USDA) (i.e. Munsell color, structure, texture, etc.) and Unified Soil Classification System (USCS) soil classification methods and sampled for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) (Gasoline Range Organics, Oil Range Organics (ORO), and Diesel Range Organics) analyses.

3.1.2 Sediment Sampling - Monitoring Program

Sediment sampling was completed in accordance with the *Sampling and Analysis Plan* (SAP) dated August 2, 2010 (Revised August 17, 2010 per United States Environmental Protection Agency (U.S. EPA) Notice of Approval with Modifications dated August 17, 2010) and the *Recommendation for Reduction in Surface Water and Sediment Sampling*, U.S. EPA Memorandum dated October 22, 2010. The sediment monitoring program consisted of collecting samples over the period of July 28, 2010 through June 10, 2011 from multiple locations along Morrow Lake, as shown on Figure 6.

Analytical results were compared to U.S. EPA Region 5 Ecological Screening Levels 2003 and to Probable Effect Concentrations (PEC) Sediment MacDonald, 2000 Consensus-Based Sediment Quality Guidelines.

3.1.3 Surface Water Sampling - Monitoring Program

Surface water sampling was completed in accordance with the SAP dated August 2, 2010 (revised August 17, 2010 per U.S. EPA Notice of Approval with Modifications dated August 17, 2010) and the *Recommendation for Reduction in Surface Water and Sediment Sampling*, U.S. EPA Memorandum dated October 22, 2010. The surface water monitoring program consisted of collecting samples over the period of July 28, 2010 through June 10, 2011 from multiple locations along Morrow Lake, as shown on Figure 7.

3.2 Results

3.2.1 Sediment Sampling - 2010 SOTF

The sediment profiles of the cores were generally soft sediments with weak or no noticeable structure. The analytical results of the sediment sampling effort are shown in Table 3 and Attachment B. All constituent concentrations were below corresponding PECs. In general, only low levels of TPH were detected. Attachment C describes the core observations from three locations.

3.2.2 Sediment Sampling - Monitoring Program

A total of 294 sediment samples (plus duplicates) were collected from July 28, 2010 through June 10, 2011. Attachment D depicts the sample location identification, location description, and latitude and longitude coordinates, with Tables 3a through 3g presenting the monthly analytical results. Thirty seven samples collected (13% of the total samples collected) during the monitoring period exceeded PECs.

The following table illustrates the analytical trend for each data set collected.

Sampling Event	Total Samples Collected	Number Exceeding PEC	Percentage Exceeding PEC
July – August 2010	47	4	9%
September 2010	132	3	2%
October 2010	91	30	33%
November 2010	9	0	0%
March 2011	3	0	0%
April 2011	6	0	0%
May – June 10, 2011	6	0	0%
Total	294	37	13%

The exceedances consisted of metals and Polynuclear Aromatic Hydrocarbons (PNAs). Attachment F depicts the trends of two sample locations sampled throughout the monitoring period. Although there are no PECS associated with ORO, the concentrations of ORO have decreased over the monitoring period.

Based on direction from the U.S. EPA, the number of constituents analyzed during the July through October 2010 sampling events was reduced in November 2010 and is reflected in the subsequent sampling events.

3.2.3 Surface Water Sampling - Monitoring Program

A total of 1,273 surface water samples (plus duplicates) were collected from July 28, 2010 through June 10, 2011. Attachment E depicts the sample location identification, location description, and latitude and longitude coordinates, with Tables 4a through 4i presenting the monthly analytical results.

Forty seven samples collected (4% of the total samples collected) during the monitoring period exceeded Michigan Rule 57 water quality standards, with all but one exceedance occurring from July through October 2010. The following table illustrates the analytical trend for each data set collected.

Sampling Event	Total Samples Collected	Number Exceeding Water Quality Standards	Percentage Exceeding Water Quality Standards
July – August 2010	252	5	2%
September 2010	424	28	7%
October 2010	255	13	5%
November 2010	103	0	0%
December 2010	16	0	0%
January 2011	5	0	0%
February 2011	4	0	0%
March 2011	24	0	0%
April 2011	85	0	0%
May – June 10, 2011	105	1	1%
Total	1,273	47	4%

All exceedances of the water quality standards were, except for one sample exceeded the water quality standard for bis(2-ethylhexyl)phthalate in September 2010. The number of constituents analyzed during the July through October 2010 sampling events was reduced in November 2010 and is reflected in the subsequent sampling events.

4.0 Summary

Investigation results support several conclusions regarding submerged oil deposition in Morrow Lake.

- 'Heavy/moderate' submerged oil increased between 2010 and 2011. Presumably, submerged oil has been transported from upstream and redeposited in Morrow Lake.
- The 'heavy/moderate' spread is located within the sediment fan of the east end of Morrow Lake.
- 'Heavy/moderate' submerged oil is typically associated with soft sediments.
- More than 99% of the exceedances observed in surface water are not related to the oil spill.
- The exceedances observed in the sediment consisted of metals and PNAs. The concentrations of ORO have decreased over the monitoring period.

Tables

Table 1. Morrow Lake Poling Data
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Type	Date	Time	Easting	Northing	Elevation (ft)	Position Quality (ft)	Height Quality (ft)	3DCQ (ft)	Water Depth (ft)	One-hand Push (ft)	Two-hand Push (ft)	Submerged Oil Category	Sheen	Globules	Bank	Velocity	Bed Velocity	River Setting	Aquatic Vegetation	Bed Type	Submerged Oil Comments	Location Comments
MP 37.75-38.00																							
37.8PA-E-01	Launch	5/4/2011	2:01:59 PM	12829632.35	285455.18	775.2	1.86	3.34	3.83	1	0.1	0.1	None	None	None	Right	No		Other-Comments	None	Sand		E4 Launch, WATERTEMP 59.9
37.8PA-E-02	Launch	5/4/2011	2:05:29 PM	12829745.72	285458.84	761.6	10.67	19.72	22.42	1.1	0.1	0.2	None	None	None	Right	No		Other-Comments	None	Sand		E4 Launch, WATERTEMP 59.9
37.8PA-E-03	Other	5/24/2011	9:14:47 AM	12829507.11	285379.14	775.5	0.02	0.04	0.05	2	0.3	0.4	None	None	None	Island	<1ft/sec	<1 ft/sec	Delta	None	Sand		E4.0 BOOM
37.8PA-E-04	Other	5/24/2011	9:17:44 AM	12829432.94	285539.00	776.9	0.82	1.50	1.71	1.8	0.3	0.5	None	None	None	Right	<1ft/sec	<1 ft/sec	Delta	None	Sand		E4.0 BOOM
EML-E-01	Focus	5/4/2011	10:51:33 AM	12829163.65	285637.01	775.4	0.03	0.06	0.07	2.8	0.1	0.3	Light	Light	Few	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-02	Focus	5/4/2011	10:58:59 AM	12829251.46	285556.23	775.3	0.03	0.05	0.06	2.5	0.2	0.4	None	None	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-03	Focus	5/4/2011	11:08:09 AM	12828790.05	285211.83	775.2	0.03	0.06	0.07	3.4	1.2	1.5	Light	Light	Few	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-04	Focus	5/4/2011	11:13:42 AM	12828726.34	285516.06	775.3	0.03	0.06	0.07	3.7	2.5	2.6	None	None	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-06	Focus	5/4/2011	11:21:09 AM	12828866.20	285566.52	775.3	0.04	0.07	0.08	3.5	0.6	0.7	Light	Light	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-07	Focus	5/4/2011	11:28:19 AM	12829205.58	284947.87	775.4	0.04	0.07	0.08	2.2	0.2	0.4	Light	Light	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-09	Focus	5/4/2011	11:40:27 AM	12829032.19	284591.43	775.3	0.04	0.06	0.08	3.5	0	0.2	None	None	None	Center	No		Other-Comments	None	Sand		Morrow Lake
EML-E-10	Focus	5/4/2011	11:59:51 AM	12828777.77	284958.06	775.3	0.05	0.06	0.08	3.2	0.6	0.9	Light	Light	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-11	Focus	5/4/2011	1:11:57 PM	12829415.79	285562.58	775.3	0.16	0.28	0.33	1.1	0.1	0.2	None	None	None	Right	No		Other-Comments	None	Sand		Morrow Lake
EML-E-12	Focus	5/4/2011	1:16:00 PM	12829271.41	285727.83	772.9	1.43	1.89	2.37	2.3	0.4	0.5	Light	Light	Few	Right	No		Other-Comments	None	Silt over Sand		Morrow Lake
EML-E-13	Focus	5/4/2011	1:21:42 PM	12829534.28	285298.79	775.3	0.05	0.08	0.10	1.2	0.1	0.2	Light	Light	None	Center	No		Other-Comments	None	Sand		Morrow Lake
EML-E-14	Focus	5/4/2011	1:30:12 PM	12829633.81	284901.81	775.3	0.03	0.05	0.05	4.9	3.1	3.2	None	None	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake, WATERTEMP 59.9
EML-E-15	Focus	5/4/2011	1:36:29 PM	12829616.06	284562.89	773.4	1.78	3.63	4.05	1.6	0.2	0.3	None	None	None	Left	No		Other-Comments	None	Sand		Morrow Lake, WATERTEMP 59.9
EML-E-16	Focus	5/4/2011	1:44:13 PM	12829456.76	284446.90	775.6	0.06	0.12	0.14	2.1	0.1	0.3	None	None	None	Left	No		Other-Comments	None	Sand		Morrow Lake, WATERTEMP 59.9
EML-E-17	Focus	5/4/2011	1:47:26 PM	12829400.46	284299.96	776.9	1.13	2.02	2.32	1	0.1	0.1	None	None	None	Left	No		Other-Comments	None	Sand & Gravel		Morrow Lake, WATERTEMP 59.9
EML-E-18	Focus	5/4/2011	1:55:39 PM	12829229.39	284735.39	775.2	0.03	0.06	0.07	4.7	0.1	0.4	Light	Light	None	Center	No		Other-Comments	None	Silt over Sand		Morrow Lake, WATERTEMP 59.9
EML-D-19	Focus	6/7/2011	10:19:22 AM	12828816.40	285478.83	775.3	0.06	0.07	0.09	3.5	1	1.2	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	SHEEN ON ARRIVAL	
EML-D-20	Focus	6/7/2011	1:20:24 PM	12829266.82	285003.57	775.3	0.03	0.05	0.06	2.4	0.2	0.3	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		
EML-D-21	Focus	6/7/2011	1:31:27 PM	12828915.49	285016.46	775.2	0.04	0.07	0.09	3.1	0.6	0.8	Heavy	Heavy	Many	Center	<1ft/sec		Lake	None	Silt over Sand	MOST GLBS UNDER 2 PHOTO 4	
EML-D-22	Focus	6/7/2011	1:39:45 PM	12828576.90	284992.52	775.3	0.04	0.06	0.07	3.8	0.8	0.9	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	MOST GLBS UNDER 2 SHEEN FROM ANCHOR	
EML-D-23	Focus	6/7/2011	3:44:45 PM	12829028.02	284846.39	775.1	0.06	0.08	0.10	3.1	0.4	0.5	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	MOST GLBS UNDER 2	
EML-D-24	Focus	6/7/2011	3:50:16 PM	12828645.22	284786.34	775.1	0.07	0.09	0.11	3.4	0.7	1.1	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	MOST GLBS UNDER 2 SHEEN FROM ANCHOR	
EML-D-25	Focus	6/8/2011	5:00:58 PM	12829381.63	285549.42	775.0	0.05	0.15	0.16	1.9	0.1	0.2	Light	Light	Few	Right	<1ft/sec		Lake	None	Sand	GLOBS APPROX 1MM	
EML-D-26	Focus	6/11/11	1:14:49 PM	12829850.59	284992.58	775.3	0.03	0.05	0.06	5.9	1	1.1	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand		
EML-D-27	Focus	6/11/11	1:23:38 PM	12829607.50	285115.31	775.1	0.04	0.07	0.08	3.1	0.7	0.8	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
EML-D-28	Focus	6/11/11	1:29:25 PM	12829561.88	284831.18	775.1	0.04	0.07	0.08	5.3	0.5	0.6	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
EML-D-29	Focus	6/11/11	1:41:54 PM	12829540.93	284542.98	775.2	0.04	0.12	0.12	3.8	0.4	0.5	Light	Light	Few	Left	<1ft/sec		Lake	None	Sand & Gravel		
EML-D-30	Focus	6/11/11	2:04:50 PM	12829382.66	284290.22	786.0	1.20	4.71	4.87	1.8	0	0.1	None	None	None	Left	<1ft/sec		Lake	None	Sand & Gravel		
EML-D-31	Focus	6/11/11	2:43:14 PM	12829144.85	284513.56	775.3	0.03	0.05	0.06	4.6	4.4	5.1	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Soft Sediment	SHNONARRIVAL LIGHT	PHOTO 5 6
EML-D-32	Focus	6/11/11	2:50:38 PM	12828836.19	284650.88	775.3	0.05	0.07	0.08	3.5	0.5	0.7	Heavy	Heavy	Many	Center	<1ft/sec		Lake	None	Soft Sediment	SHNONARRIVAL HEAVY	
EMLN-E-01	Focus	5/4/2011	10:14:12 AM	12828731.81	286576.48	775.3	0.03	0.05	0.06	3.2	0.2	0.9	Light	Light	Few	Center	No		Other-Comments	None	Sand over Silt		Morrow Lake
EMLN-E-02	Focus	5/4/2011	10:22:46 AM	12828673.83	286440.03	775.3	0.03	0.05	0.06	2.6	3.4	3.9	Light	Light	Few	Center	No		Other-Comments	None	Soft Sediment		Morrow Lake
EMLN-E-03	Focus	5/4/2011	10:30:43 AM	12828716.82	286547.19	775.4	0.03	0.05	0.06	2.2	1.5	1.7	None	None	None	Center	No		Other-Comments	None	Soft Sediment		Morrow Lake
EMLN-E-04	Focus	5/4/2011	10:38:																				

Table 1. Morrow Lake Poling Data
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Type	Date	Time	Easting	Northing	Elevation (ft)	Position Quality (ft)	Height Quality (ft)	3DCQ (ft)	Water Depth (ft)	One-hand Push (ft)	Two-hand Push (ft)	Submerged Oil Category	Sheen	Globules	Bank	Velocity	Bed Velocity	River Setting	Aquatic Vegetation	Bed Type	Submerged Oil Comments	Location Comments
Lake-D-75	Other	6/8/2011	11:55:15 AM	12828611.18	284044.95	775.1	0.05	0.08	0.09	2.5	0.9	1	Heavy	Heavy	Many	Center	<1ft/sec		Lake	None	Silt over Sand	SHEEN FROM ANCHOR GLOBS UNDER 1 SHEEN ON ARRIVAL, MANY ORGANICS PHOTO 6 AND 7 MOST GLOBS 2MM	
Lake-D-76	Other	6/8/2011	1:20:10 PM	12829257.04	285797.60	775.7	0.13	0.23	0.26	1.8	0	0.1	None	None	None	Right	<1ft/sec		Lake	None	Sand & Gravel		
Lake-D-77	Other	6/8/2011	1:38:38 PM	12828737.57	286809.78	775.4	0.05	0.11	0.12	0.8	2	2.9	Light	Light	Few	Right	<1ft/sec		Lake	None	Organic	GLOBS 1-2MM	
Lake-D-78	Other	6/8/2011	1:55:21 PM	12828775.96	286672.15	775.1	0.03	0.09	0.09	2.4	1	1.4	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS 1-2MM	
Lake-D-79	Other	6/8/2011	2:06:40 PM	12828796.61	286535.82	775.3	0.05	0.14	0.15	2.3	0.8	1.3	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS 1-2MM	
Lake-D-88	Other	6/8/2011	3:38:40 PM	12829026.66	286377.74	775.1	0.07	0.09	0.12	2.7	2.5	2.8	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS 1-2MM SOME ORGANICS APPROX 12 GLOBS	
Lake-D-89	Other	6/8/2011	3:47:41 PM	12829062.72	286484.63	775.1	0.12	0.16	0.20	2.5	2	2.5	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS 1-2MM	
Lake-D-90	Other	6/8/2011	3:52:24 PM	12829109.05	286547.39	775.3	0.08	0.13	0.16	1.7	0.9	2.3	Heavy	Heavy	Many	Right	<1ft/sec		Lake	None	Organic	GLOBS 1-2MM PHOTO 6	
Lake-D-91	Other	6/8/2011	3:57:22 PM	12829154.58	286510.25	772.9	1.72	2.07	2.69	1.5	0.5	0.9	Moderate	Moderate	Common	Right	<1ft/sec		Lake	None	Organic	SHEEN ON ARRIVAL	
Lake-D-92	Other	6/8/2011	4:01:51 PM	12829126.60	286297.14	773.5	1.04	1.30	1.67	2.1	0.6	0.7	Light	Light	Few	Right	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-93	Other	6/8/2011	4:38:24 PM	12829223.11	285955.82	776.9	2.70	3.86	4.71	1.8	0	0.1	Light	Light	Few	Right	<1ft/sec		Lake	None	Sand	GLOBS APPROX 1MM	
Lake-D-94	Other	6/8/2011	4:47:27 PM	12829030.98	286319.74	775.4	0.05	0.15	0.16	2.7	2	2.3	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-95	Other	6/8/2011	4:53:39 PM	12828867.45	286413.98	775.2	0.04	0.12	0.13	2.6	0.3	0.5	Light	Light	Few	Center	<1ft/sec		Lake	None	Sand & Silt	GLOBS APPROX 1MM	
Lake-D-96	Other	6/11/11	2:10:12 PM	12829211.13	284058.92	775.3	0.04	0.10	0.11	2.8	0.2	0.3	Light	Light	Few	Left	<1ft/sec		Lake	None	Sand & Gravel		
Lake-D-97	Other	6/11/11	2:35:39 PM	12828970.76	284104.94	775.2	0.04	0.07	0.08	3.1	3.4	5.9	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Soft Sediment	SHNONARRIVAL 1-MM-SIZE GLOBS	
Lake-D-98	Other	6/11/11	2:16:38 PM	12828789.08	283579.17	775.2	0.03	0.06	0.06	2.6	1	1.4	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-D-99	Other	6/11/11	3:01:00 PM	12828691.35	284336.86	775.3	0.04	0.06	0.07	3.5	1.2	1.4	Heavy	Moderate	Many	Center	<1ft/sec		Lake	None	Silt over Sand	SHNONARRIVAL LIGHT 1-MM GLOBS	
Lake-D-100	Other	6/11/11	2:24:50 PM	12828613.41	283817.68	775.2	0.04	0.07	0.08	2.2	0.6	0.8	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	SHNONARRIVAL	
Lake-D-101	Other	6/11/11	3:52:09 PM	12828455.02	284750.03	775.0	0.04	0.05	0.06	3.9	2.1	2.2	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	SHNONARRIVAL LIGHT 1 MM ACROSS	
Lake-D-102	Other	6/11/11	3:45:19 PM	12828444.73	284523.33	775.2	0.04	0.05	0.06	3.4	1.4	1.7	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	SHNONARRIVAL LIGHT 1-2MMACROSS	PHOTO 9 10
Lake-D-103	Other	6/11/11	3:58:56 PM	12828442.20	284997.26	775.1	0.04	0.06	0.07	4.1	3.9	4.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	SHN ANCHOR LIGHT 1 MM ACROSS	
Lake-B-114	Other	6/13/11	10:53:24 AM	12829002.40	286623.90	775.2	0.07	0.08	0.11	2.5	1.1	1.5	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Silt over Sand	SHEEN OFF ANCHOR, LT 1MM	
Lake-B-115	Other	6/11/11	4:12:26 PM	12829331.09	285202.94	775.4	0.04	0.09	0.10	2.1	0.1	0.3	None	None	None	Center	<1ft/sec	<1 ft/sec	Lake	None	Sand		
Lake-B-116	Other	6/11/11	4:19:12 PM	12829137.40	285424.46	775.5	0.03	0.05	0.06	2.7	0.1	0.3	Light	Light	Few	Center	1-3 ft/sec	1-3 ft/sec	Lake	<5%	Sand		
Lake-B-117	Other	6/11/11	4:27:19 PM	12829056.98	285818.11	775.5	0.04	0.07	0.08	3.3	1.3	1.6	Moderate	Moderate	Few	Center	1-3 ft/sec	1-3 ft/sec	Lake	<5%	Sand & Silt		
Lake-B-118	Other	6/11/11	4:44:02 PM	12829007.00	286641.80	775.5	0.03	0.07	0.07	1.7	1.1	1.1	Light	Light	Few	Right	1-3 ft/sec	1-3 ft/sec	Lake	<5%	Soft Sediment		
Lake-B-119	Other	6/11/11	4:36:51 PM	12828878.21	286099.48	775.4	0.03	0.07	0.07	3.2	1.5	2.8	None	None	None	Center	1-3 ft/sec	1-3 ft/sec	Lake	<5%	Soft Sediment		
Lake-B-120	Other	6/13/11	11:10:30 AM	12828882.01	286091.42	775.0	0.04	0.04	0.06	3.5	1.7	2.2	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment	SHEEN ON ANCHOR	
Lake-B-121	Other	6/11/11	4:48:49 PM	12828863.93	286738.76	775.5	0.03	0.08	0.08	1.6	2.2	3.2	Light	Light	None	Right	1-3 ft/sec	1-3 ft/sec	Lake	<5%	Soft Sediment		
Lake-B-122	Other	6/13/11	10:59:14 AM	12828883.72	286714.21	775.1	0.06	0.06	0.09	2.3	2.2	2.9	Light	Light	Few	Right	<1ft/sec	No	Lake	<5%	Silt over Sand	ORGANIC, LT 1MM	
Lake-B-124	Other	6/13/11	10:44:45 AM	12828663.64	286335.23	775.1	0.13	0.17	0.22	3.5	1.3	2.3	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-125	Other	6/13/11	10:19:49 AM	12828668.96	285798.25	775.4	0.09	0.08	0.12	4	2.5	2.7	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	LT 1MM	
Lake-D-283	Other	6/16/11	4:31:38 PM	12828416.71	283733.92	775.6	0.04	0.09	0.10	2.9	2.2	2.3	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1MM	
Lake-D-284	Other	6/16/11	4:24:58 PM	12828663.20	283681.17	775.4	0.02	0.06	0.07	2.6	1.5	1.9	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1-2MM, 7 GLOBS	
Lake-D-285	Other	6/16/11	3:52:33 PM	12828874.98	283439.93	775.3	0.03	0.06	0.07	3.5	4.1	4.9	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Soft Sediment	GLOBS APPRX 1-2MM	
Lake-D-286	Other	6/16/11	4:53:01 PM	12828680.33	284579.65	775.9	0.04	0.09	0.10	3.7	0.7	0.8	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1MM	
Lake-D-287	Other	6/16/11	4:46:06 PM	12828405.83	284311.92	775.8	0.04	0.10	0.11	3.7	0.4	0.6	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1-2MM	
Lake-D-288	Other	6/16/11	4:38:35 PM	12828381.60	284000.75	775.7	0.03	0.08	0.08	2.8	2.1	2.4	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1-2MM	
Lake-B-301	Other	6/16/11	2:39:19 PM	12829100.74	286596.32	775.7	0.06	0.07	0.10	0.5	1	1.2	Light	Light	Few	Right			Lake				
Lake-B-302	Other	6/16/11	2:57:55 PM	12829043.24	286632.92	775.7	0.06	0.08	0.10	0.9	1.2	3.5	Heavy	Heavy	Many	Right	<1ft/sec	No	Lake	25%-50%	Soft Sediment	TINY GLOBS	
Lake-B-303	Other	6/16/11	3:03:16 PM	12829005.60	286666.51	775.4	0.09	0.11	0.14	1	1	1.4	Moderate	Moderate	Common	Right	<1ft/sec	No	Lake	5%-25%	Soft Sediment	3MM-4MM GLOBS NEAR POLING	
Lake-B-304	Other	6/16/11	3:08:26 PM	12828941.84	286707.55	775.3	0.08	0.10	0.13	1	2	3.6	Moderate	Moderate	Common	Right	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-305	Other	6/16/11	3:23:19 PM	12828827.96	286767.50	775.6	0.07	0.11	0.13	1.5	2.5	4.8	Light	Light	Few	Right	<1ft/sec	No	Lake	<5%	Soft Sediment	SHEEN ON ARRIVAL	
Lake-B-306	Other	6/16/11	3:28:49 PM	12828742.31	286818.43	775.8	0.07	0.12	0.14	0.9	2.4	3.4	Moderate	Moderate	Common	Right	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-307	Other	6/16/11	3:33:24 PM	12828664.70	286791.67	775.6	0.05	0.09	0.10	1.4	0.1	0.1	Light	Light	Few	Right	<1ft/sec	No	Lake	5%-25%	Sand		
Lake-B-308	Other	6/16/11	4:26:46 PM	12829102.98	284079.87	775.5	0.03	0.09	0.09	3.7	2.7	4	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-309	Other	6/16/11	4:18:43 PM	12829228.71	284282.46	775.6	0.03	0.07	0.08	4	0.6	0.6	Heavy	Heavy	Many	Center	<1ft/sec	No	Lake	None	Silt over Sand	LARGE GLOBS	
Lake-B-310	Other	6/16/11	4:41:22 PM	12828961.42	284345.32	776.0	0.57	1.02	1.16	4.2	0	0.2	Heavy	Heavy	Many	Center	<1ft/sec	No	Lake	None	Sand	LARGE GLOBS	
Lake-B-311	Other	6/16/11	4:33:52 PM	12828802.85	284151.47	775.5	0.03	0.11	0.11	3.5	0.3	0.5	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	None	Sand	SHEEN ON ANCHR, LARGE COMMON	
Lake-B-313	Other	6/16/11	10:47:18 AM	12828860.41	284794.74	775.6	0.03	0.06	0.06	3.4	0	0	Moderate	Light	Common	Center	<1ft/sec	No	Lake	None	Sand		
Lake-B-314	Other	6/16/11	4:09:58 PM	12829295.66	284531.97	775.7	0.04	0.09	0.09	4.8	3.1	5.9	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-315	Other	6/16/11	11:03:04 AM	12829099.16	285041.21	775.5	0.04	0.08	0.09	2.5	0.4	0.5	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	<5%	Sand		
Lake-B-316	Other	6/16/11	11:09:40 AM	12828942.95	285157.13	775.5	0.04	0.08	0.08	3.2	0.3	0.4	Heavy	Heavy	Many	Center	<1ft/sec	No	Lake	None	Sand	SHN ON ANCHOR, LT 1MM GLOB	
Lake-B-317	Other	6/16/11	10:55:20 AM	12828700.15	285096.97	775.7	0.03	0.06	0.07	3.1	0.1	0.2	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	None	Sand	SHN ON ANCHOR	
Lake-B-318	Other	6/16/11	11:16:16 AM	12828521.34	285151.36	775.6	0.04	0.07	0.08	4.2	0.3	0.4	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Sand		
Lake-B-322	Other	6/16/11	10:41:18 AM	12828427.40	284863.96	775.6	0.03	0.05	0.06	4.2	1.8	1.9	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-324	Other	6/16/11	11:21:28 AM	12828512.41	285350.71	775.6	0.03	0.05	0.05	4.4	2.3	2.6	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-325	Other	6/16/11	11:36:18 AM	12828762.68																			

Table 1. Morrow Lake Poling Data
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Type	Date	Time	Easting	Northing	Elevation (ft)	Position Quality (ft)	Height Quality (ft)	3DCQ (ft)	Water Depth (ft)	One-hand Push (ft)	Two-hand Push (ft)	Submerged Oil Category	Sheen	Globules	Bank	Velocity	Bed Velocity	River Setting	Aquatic Vegetation	Bed Type	Submerged Oil Comments	Location Comments
Lake-B-326	Other	6/16/11	11:41:21 AM	12828933.65	285399.25	775.6	0.05	0.07	0.08	3.7	0.1	0.5	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-327	Other	6/16/11	11:46:29 AM	12828590.89	285618.04	775.4	0.05	0.06	0.08	4.1	2.5	2.9	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-328	Other	6/16/11	3:47:26 PM	12828972.66	285721.57	775.8	0.05	0.07	0.09	3.8	0.3	0.9	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-329	Other	6/16/11	3:41:38 PM	12829018.00	285925.87	775.6	0.06	0.10	0.12	2.4	3.1	3.3	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-330	Other	6/16/11	3:57:56 PM	12829147.60	285847.48	770.5	9.51	13.93	16.86	3.5	0.5	0.6	None	None	None	Center	<1ft/sec	No	Lake	<5%	Silt over Sand		
Lake-B-331	Other	6/16/11	3:52:47 PM	12829098.90	285704.21	775.6	0.04	0.06	0.08	3.2	0.3	0.3	None	None	None	Center	<1ft/sec	No	Lake	None	Sand		
Lake-B-336	Other	6/16/11	1:59:29 PM	12829051.62	286571.63	775.9	0.06	0.14	0.15	3	1	2	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-337	Other	6/16/11	2:04:38 PM	12829071.17	286595.88	775.9	0.08	0.17	0.18	1.5	2.5	2.7	Heavy	Heavy	Many	Center	<1ft/sec	No	Lake	None	Soft Sediment	SHN ON ARRIVAL NOTED BY OTHER BT	
Lake-B-338	Other	6/16/11	2:32:48 PM	12829126.65	286454.97	775.6	0.06	0.07	0.09	2.4	1.3	1.8	None	None	None	Right	<1ft/sec	No	Lake	5%-25%	Silt over Sand		
Lake-B-339	Other	6/16/11	2:26:24 PM	12829114.81	286368.02	775.6	0.06	0.09	0.11	2.5	0.5	0.6	Light	Light	Few	Right	<1ft/sec	No	Lake	None	Silt over Sand	SHN ON ANCHOR	
Lake-B-340	Other	6/16/11	1:54:57 PM	12828986.61	286432.21	775.3	0.05	0.13	0.14	2.7	1.6	2	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-341	Other	6/16/11	1:50:55 PM	12828945.45	286355.97	775.9	0.08	0.28	0.30	3.4	0.1	0.2	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-342	Other	6/17/11	11:04:53 AM	12829117.07	286358.57	775.4017	0.0485	0.0878	0.1003	2.8	0.1	0.1	Light	Light	Few	Center	<1ft/sec		Lake	5%-25%	Silt over Sand	N ON ARRIVAL, 3-4 MM GLOBS ARVL	
Lake-B-343	Other	6/17/11	10:58:54 AM	12828993.91	286421.53	775.5059	0.0484	0.0886	0.1009	3	1.3	1.4	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	LTSHN ANCHOR	
Lake-B-344	Other	6/17/11	10:35:49 AM	12828956.09	286350.22	775.5839	0.0693	0.1098	0.1298	3.1	0.6	0.7	Light	Light	Few	Center	<1ft/sec		Lake	<5%	Silt over Sand	N ANCHOR, SHN ARRIVAL, LT 1 MM	
Lake-B-345	Other	6/17/11	11:12:50 AM	12829107.66	286191.3	775.4945	0.0374	0.0675	0.0772	2.8	0.4	0.6	None	None	None	Right	<1ft/sec		Lake	<5%	Silt over Sand	RRIVAL, GLOBSONARRIVAL, ERNOTIFIED	
Lake-B-346	Other	6/17/11	11:17:58 AM	12829129.67	286028.34	775.6021	0.0475	0.0805	0.0935	3.5	0.8	0.8	Light	Light	Few	Right	<1ft/sec		Lake	<5%	Silt over Sand	SHNONARRIVAL	
Lake-B-347	Other	6/17/11	10:28:38 AM	12828672.68	286154.92	775.4449	0.0459	0.074	0.0871	3.7	0.6	0.8	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	LT 1MM GLOBS	
Lake-B-348	Other	6/17/11	11:33:52 AM	12828738.85	285929.74	775.4292	0.0507	0.0791	0.0939	4	1.6	2.4	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Soft Sediment	SHN ANCHOR, LT 1-MM GLOBS	
Lake-B-349	Other	6/17/11	10:14:06 AM	12828529.47	285957.14	775.4162	0.0752	0.1063	0.1302	4.2	0.7	0.9	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-B-352	Other	6/17/11	1:55:18 PM	12829340.08	285369.32	775.4895	0.0245	0.0631	0.0677	2.4	0.1	0.2	Light	Light	Few	Center	<1ft/sec		Lake	5%-25%	Sand	LT 1-MM GLOBS	
Lake-B-353	Other	6/17/11	1:48:43 PM	12829138.43	285273.39	775.5167	0.0815	0.1629	0.1822	2.7	0.1	0.3	Heavy	Heavy	Common	Center	<1ft/sec		Lake	<5%	Sand	HN ON ANCHIR, MIXED SIZE GLOBS	
Lake-B-354	Other	6/17/11	1:42:31 PM	12829423.01	285055.53	775.2004	0.0529	0.213	0.2194	3.1	0.2	1	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-B-355	Other	6/17/11	1:38:25 PM	12829374.75	284817.85	776.0925	0.7644	3.0275	3.1226	5.8	0.2	0.2	None	None	None	Center	<1ft/sec	<1 ft/sec	Lake	None	Sand	SHN ON ARRIVAL	
Lake-B-356	Other	6/17/11	1:33:57 PM	12829507.75	284664.68	775.7389	0.7548	2.9816	3.0756	4.8	2.1	3.8	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Soft Sediment	SHNANCHOR LT, LT 1-MM GLOBS	
Lake-B-358	Other	6/17/11	10:54:04 AM	12828910.2	286641.57	775.4948	0.0388	0.0711	0.081	2.9	1.2	1.4	None	None	None	Center	<1ft/sec		Lake	5%-25%	Silt over Sand		
Lake-B-359	Other	6/17/11	10:42:45 AM	12828762.06	286713.87	775.4739	0.0431	0.0761	0.0875	2.9	2.2	3.1	Light	Light	Few	Center	<1ft/sec		Lake	5%-25%	Soft Sediment	SHNANCHOR	
Lake-B-361	Other	6/17/11	11:22:14 AM	12829033.07	286089.31	775.6931	0.0535	0.0861	0.1014	3.6	1.4	1.5	Light	Light	Few	Center	<1ft/sec		Lake	<5%	Silt over Sand	SHNANCHOR LT	
Lake-B-362	Other	6/17/11	11:41:53 AM	12828883.44	285841.13	775.5308	0.0764	0.1053	0.1301	4	1.4	2.3	Light	Moderate	Common	Center	<1ft/sec		Lake	<5%	Soft Sediment	SHNANCHOR, LT 1-MM GLOBS	
Lake-B-363	Other	6/17/11	11:46:34 AM	12828767.01	285693.59	775.5863	0.0759	0.1012	0.1265	4.3	0.8	0.9	Light	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	SHNANCHOR	
Lake-B-364	Other	6/17/11	2:02:39 PM	12829024.32	285555.56	775.7063	0.0472	0.0934	0.1046	3.7	0.2	0.3	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Sand	SHN ANCHOR, MIXED SIZE GLOBS	
Lake-D-370	Other	6/17/11	9:48:58 AM	12829017	283827.36	775.4782	0.057	0.0682	0.0889	3.4	4.2	4.3	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Soft Sediment	SHEEN FROM ANCHOR	
Lake-D-371	Other	6/17/11	9:58:06 AM	12828808	283933.83	775.4587	0.0619	0.0786	0.1	2.9	0.8	1.3	Heavy	Moderate	Many	Center	<1ft/sec		Lake	None	Silt over Sand	ANCHOR, 20 PLUS GLOBS, GLOBS APPRX 1-2MM	
Lake-D-372	Other	6/17/11	10:09:39 AM	12828860.46	283732.62	774.4301	0.7325	1.1031	1.3242	3.1	0.8	1	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	N FROM ANCHOR, GLOBS APPRX 1MM	
MP 38.00-38.25																							
Lake-D-01	Focus	6/5/11	10:50:22 AM	12827307.23	283012.61	775.3	1.45	1.87	2.36	1.8	0.5	0.7	Light	Light	Few	Left	<1ft/sec		Lake	None	Silt over Sand	SHEEN ON ARRIVAL	
Lake-D-02	Focus	6/5/11	11:01:09 AM	12827361.77	283089.30	778.5	1.21	1.55	1.97	2	0.1	0.1	Light	Light									

Table 1. Morrow Lake Poling Data
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Type	Date	Time	Easting	Northing	Elevation (ft)	Position Quality (ft)	Height Quality (ft)	3DCQ (ft)	Water Depth (ft)	One-hand Push (ft)	Two-hand Push (ft)	Submerged Oil Category	Sheen	Globules	Bank	Velocity	Bed Velocity	River Setting	Aquatic Vegetation	Bed Type	Submerged Oil Comments	Location Comments
Lake-D-57	Other	6/7/2011	10:54:18 AM	12828179.50	285994.19	775.3	0.04	0.06	0.08	3.9	2.6	2.7	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-D-58	Other	6/7/2011	11:16:26 AM	12828023.80	285827.70	775.3	0.03	0.05	0.06	4.5	1.3	1.5	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-D-59	Other	6/7/2011	11:27:30 AM	12828124.84	286153.38	775.3	0.03	0.05	0.06	3.9	2.6	3.1	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-D-60	Other	6/7/2011	11:38:13 AM	12828058.40	286219.74	775.3	0.04	0.07	0.08	4	1.9	2	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-D-61	Other	6/7/2011	11:44:45 AM	12827972.76	286197.59	775.3	0.05	0.10	0.11	1.8	0.1	0.2	None	None	None	Center	<1ft/sec		Lake	None	Sand & Gravel		
Lake-D-62	Other	6/7/2011	11:54:08 AM	12828230.68	286282.54	775.4	0.04	0.08	0.09	3.3	3.6	4.4	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Soft Sediment	ELEVEN GLOBULES	
Lake-D-67	Other	6/8/2011	10:38:49 AM	12827152.03	283531.88	775.2	0.04	0.05	0.06	3.9	1.2	1.7	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES UNDER 1	
Lake-D-68	Other	6/8/2011	10:45:52 AM	12827387.23	283195.04	775.4	0.04	0.06	0.07	2.7	2.4	2.5	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	LGHT SHEEN N ARVL GLOBES 1-2MM PHOTO 1	
Lake-D-69	Other	6/8/2011	10:52:44 AM	12827397.92	283137.81	775.2	0.09	0.14	0.17	1.9	0.2	0.3	Moderate	Moderate	Common	Left	<1ft/sec		Lake	None	Silt over Sand	LGHT SHEEN ANCHOR GLOBES 1-2MM PHOTO 2	
Lake-D-70	Other	6/8/2011	10:59:56 AM	12827404.16	283132.14	775.7	0.07	0.12	0.13	1.7	0	0.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Sand & Gravel	GLOBES 1-2MM	
Lake-D-71	Other	6/8/2011	11:20:17 AM	12827364.70	283140.04	775.3	0.04	0.08	0.09	2.3	0.6	0.7	Heavy	Heavy	Many	Left	<1ft/sec		Lake	None	Silt over Sand	SHEEN ON ARRIVAL GLOBES 1-2MM PHOTO 3	SOME ORGANICS
Lake-D-72	Other	6/8/2011	11:28:41 AM	12827791.13	283543.04	775.1	0.03	0.05	0.06	3.4	2.4	2.6	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES 1MM PHOTO 4	
Lake-D-80	Other	6/8/2011	2:16:47 PM	12828570.30	286535.02	775.8	0.71	2.49	2.59	2.4	3.1	3.6	Light	Light	Few	Center	<1ft/sec		Lake	None	Soft Sediment	GLOBES UNDER 1MM	
Lake-D-81	Other	6/8/2011	2:25:38 PM	12828367.56	286395.30	775.2	0.05	0.12	0.12	2.9	3.4	4	Light	Light	Few	Center	<1ft/sec		Lake	None	Soft Sediment	GLOBES UNDER 1MM	
Lake-D-82	Other	6/8/2011	2:33:22 PM	12828137.78	286354.83	775.2	0.05	0.10	0.11	2.6	2.6	2.9	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES UNDER 1MM	
Lake-D-83	Other	6/8/2011	3:01:54 PM	12828030.97	286404.94	773.8	0.77	1.14	1.38	1.8	1.9	2.1	Light	Light	Few	Right	<1ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM	
Lake-D-84	Other	6/8/2011	3:14:09 PM	12828277.57	286476.52	775.5	0.08	0.10	0.13	2.4	2.2	2.5	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES 1-2MM	
Lake-D-85	Other	6/8/2011	3:18:34 PM	12828245.86	286592.25	775.3	0.06	0.08	0.10	1.5	0.3	0.4	Light	Light	Few	Right	<1ft/sec		Lake	None	Silt over Sand	GLOBES 1-2MM	
Lake-D-86	Other	6/8/2011	3:23:24 PM	12828482.47	286705.32	775.3	0.05	0.06	0.08	1.7	0.3	0.4	Light	Light	Few	Right	<1ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM	
Lake-D-87	Other	6/8/2011	3:27:22 PM	12828522.67	286626.64	775.3	0.07	0.10	0.12	2.3	3.3	3.8	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES 1-2MM SOME ORGANICS	
Lake-D-104	Other	6/11/11	3:35:54 PM	12828197.14	284151.98	775.1	0.05	0.06	0.07	3	2.4	4	Heavy	Heavy	Common	Center	<1ft/sec		Lake	None	Soft Sediment	SHNONARRIVAL MODERATE LT A MM ACROSS	PP
Lake-D-105	Other	6/11/11	3:11:16 PM	12828156.62	283818.48	775.2	0.04	0.05	0.06	2.5	3	3.2	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	SHNONARRIVAL LIGHT 1-MM GLOBES	PHOTO 7 8
Lake-D-106	Other	6/11/11	4:40:50 PM	12828045.19	284387.10	775.1	0.04	0.09	0.10	3.1	0.9	1.5	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	LT 1-MM	
Lake-D-107	Other	6/11/11	4:07:52 PM	12828030.60	285131.12	775.1	0.04	0.07	0.08	4.1	1.5	2	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	1 MM ACROSS	
Lake-D-108	Other	6/11/11	4:14:52 PM	12827795.95	284973.98	775.1	0.03	0.05	0.06	4.1	0.2	0.6	Light	Light	Few	Center	<1ft/sec		Lake	None	Sand & Silt	1 MM ACROSS	
Lake-D-109	Other	6/11/11	4:31:16 PM	12827775.55	284577.77	775.2	0.03	0.07	0.07	3.7	3.6	5	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Soft Sediment	LT 1-MM	
Lake-D-110	Other	6/11/11	4:47:00 PM	12827679.51	283901.62	775.2	0.03	0.07	0.07	3.3	1	1.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	LT 1-MM	
Lake-D-111	Other	6/11/11	4:52:41 PM	12827440.79	284201.48	775.2	0.03	0.08	0.08	3.8	3.8	4.7	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	LT 1-MM	
Lake-D-112	Other	6/11/11	4:22:14 PM	12827324.12	285056.16	775.1	0.03	0.06	0.07	4.6	1.7	1.9	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	1 MM ACROSS	
Lake-D-113	Other	6/11/11	4:58:17 PM	12827262.01	284510.30	775.0	0.03	0.07	0.07	3.7	1.1	1.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	LT 1-MM	
Lake-B-123	Other	6/13/11	11:20:03 AM	12828062.84	285515.91	774.9	0.09	0.09	0.13	5	1.9	3.5	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-126	Other	6/13/11	10:38:46 AM	12828448.36	286125.75	775.1	0.06	0.07	0.09	4.2	1.4	1.7	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand	LT 1MM	
Lake-B-127	Other	6/13/11	10:30:04 AM	12828385.72	285702.40	775.3	0.05	0.05	0.07	3.5	0.1	0.1	Light	Light	Few	Center	<1ft/sec	No	Lake	<5% Sand			
Lake-B-128	Other	6/13/11	11:33:33 AM	12827753.81	285977.25	774.4	0.06	0.07	0.09	6	1.1	1.1	None	None	None	Center	<1 ft/sec	No	Lake	None	Silt over Sand		
Lake-B-129	Other	6/13/11	11:26:09 AM	12827586.29	285341.38	774.8	0.14	0.16	0.21	4.8	0.2	0.9	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-130	Other	6/13/11	11:37:54 AM	12827595.46	286228.40	774.7	0.13	0.12	0.18	3.2	0.3	0.3	None	None	None	Right	<1ft/sec	No	Lake	<5%	Silt over Sand		
Lake-B-131	Other	6/13/11	11:42:19 AM	12827438.77	286345.29	773.2	4.79	4.57	6.62	3.4	0.1	0.1	None	None	None	Right	<1ft/sec	No	Lake	5%-25%	Silt over Sand		
Lake-B-132	Other	6/13/11	12:04:45 PM	12827242.53	285674.18	775.4	0.08	0.10	0.13	5.1	1.6	1.7	None	None	None	Center	<1ft/sec	No	Lake	<5%	Silt over Sand		
Lake-B-133	Other	6/13/11	11:50:18 AM	12827245.34	286472.20	773.5	2.46	2.78	3.72	3.2	0.1	1	Light	Light	Few	Right	<1ft/sec	No	Lake	None	Sand & Gravel	LT 1MM	
Lake-B-163	Other	6/13/11	10:14:12 AM	12827454.21	283552.20	775.6	0.05	0.07	0.09	3.9	4.8	5.1	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, SHEEN ON ARRIVAL	
Lake-B-164	Other	6/13/11	10:20:16 AM	12827254.53	283801.22	775.7	0.05	0.06	0.08	3.9	4.3	5.4	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Soft Sediment	GLOBES APPROX 1MM, SHEEN ON ARRIVAL	
Lake-B-165	Other	6/13/11	10:29:40 AM	12827269.15	283285.59	775.6	0.04	0.05	0.06	3.1	2.6	2.8	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, SHEEN ON ARRIVAL	
Lake-B-166	Other	6/13/11	10:37:15 AM	12827148.39	282875.21	775.4	0.12	0.21	0.24	1.9	1.3	1.7	Light	Light	Few	Left	<1ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, HVY SHEEN ARRIVAL, PHOTO1 AND 2	
Lake-B-167	Other	6/13/11	10:50:39 AM	12827019.85	283096.04	775.6	0.04	0.06	0.08	2.6	0.3	0.5	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, MOD SHEEN ARRIVAL	
Lake-D-248	Other	6/15/11	2:23:16 PM	12827063.05	283882.75	775.8	0.04	0.07	0.08	3.7	0.4	0.5	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	LGHT SHEEN ARRIVL	
Lake-D-249	Other	6/15/11	2:33:56 PM	12827463.48	283948.92	775.3	0.05	0.07	0.08	3.6	2.4	2.9	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Soft Sediment	LGHT SHEEN ANCHOR	
Lake-D-250	Other	6/15/11	2:43:38 PM	12827256.37	284061.76	775.3	0.04	0.06	0.07	3.5	0.3	0.4	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Sand & Silt		
Lake-D-251	Other	6/15/11	2:56:43 PM	12827156.97	283720.20	775.3	0.04	0.06	0.07	3.7	0.2	0.4	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM	
Lake-D-252	Other	6/15/11	3:04:59 PM	12827140.08	283661.16	775.2	0.04	0.05	0.07	3.7	0.6	0.8	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM	
Lake-D-253	Other	6/15/11	3:18:03 PM	12827158.96	283103.23	775.2	0.05	0.05	0.07	3.5	0.6	0.7	Heavy	Moderate	Many	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, PHOTOS 1 AND 2	
Lake-D-254	Other	6/15/11	3:47:44 PM	12827076.91	283104.66	775.2	0.04	0.07	0.08	2.6	0.8	0.9	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, LGHT SHEEN ARRIVL	
Lake-D-255	Other	6/15/11	3:59:44 PM	12827058.49	283007.26	775.3	0.03	0.06	0.07	2.5	0.9	1	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM, LGHT SHEEN ARRIVL	
Lake-D-257	Other	6/15/11	4:19:56 PM	12827583.96	284173.71	775.3	0.02	0.06	0.06	3.5	4	5	Heavy	Moderate	Many	Center	1-3 ft/sec		Lake	None	Soft Sediment	GLOBES APPROX 1MM	
Lake-D-258	Other	6/15/11	4:33:45 PM	12827629.40	283833.32	775.2	0.04	0.11	0.11	3.4	1.5	1.7	Heavy	Moderate	Many	Center	1-3 ft/sec		Lake	None	Soft Sediment	GLOBES APPROX 1MM	
Lake-D-271	Other	6/16/11	10:11:21 AM	12827175.68	283012.66	775.5	0.04	0.05	0.06	2.5	1.5	1.6	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand		
Lake-D-272	Other	6/16/11	10:24:23 AM	12827285.31	283072.42	775.5	0.06	0.08	0.10	2.6	1.7	1.9	Moderate	Light	Common	Left	1-3 ft/sec		Lake	None	Silt over Sand	GLOBES APPROX 1MM	

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Type	Date	Time	Easting	Northing	Elevation (ft)	Position Quality (ft)	Height Quality (ft)	3DCQ (ft)	Water Depth (ft)	One-hand Push (ft)	Two-hand Push (ft)	Submerged Oil Category	Sheen	Globules	Bank	Velocity	Bed Velocity	River Setting	Aquatic Vegetation	Bed Type	Submerged Oil Comments	Location Comments
Lake-D-273	Other	6/16/11	10:57:50 AM	12827072.11	283190.04	775.7	0.04	0.07	0.08	2.8	0.8	0.9	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-274	Other	6/16/11	10:51:15 AM	12827204.92	283195.14	775.7	0.04	0.06	0.07	2.9	1.9	2.2	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-275	Other	6/16/11	10:42:03 AM	12827313.05	283186.82	775.7	0.04	0.07	0.08	2.9	2.2	2.4	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, SHEEN ON ARRIVAL	
Lake-D-276	Other	6/16/11	10:34:26 AM	12827400.36	283269.07	775.7	0.06	0.08	0.10	3	2.2	2.6	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, SHEEN ON ARRIVAL	
Lake-D-277	Other	6/16/11	11:08:06 AM	12827435.24	283346.70	775.6	0.05	0.10	0.11	3.4	1.9	2.2	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-278	Other	6/16/11	11:38:28 AM	12827659.47	283581.94	775.4	0.05	0.07	0.08	3.6	4.5	4.9	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, MOD SHEEN ANCHOR	
Lake-D-279	Other	6/16/11	11:29:21 AM	12827806.88	283459.04	775.7	0.03	0.04	0.05	3.5	4.8	4.9	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-280	Other	6/16/11	2:31:50 PM	12827640.17	283407.50	776.0	0.05	0.07	0.08	3.7	4.4	4.8	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Soft Sediment	GLOBS APPROX 1MM, 4 GLOBS	
Lake-D-281	Other	6/16/11	4:03:37 PM	12828249.40	283457.23	775.5	0.04	0.08	0.09	3.1	1.4	1.6	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1-2MM	
Lake-D-282	Other	6/16/11	11:18:06 AM	12828110.52	283580.56	775.8	0.04	0.07	0.08	3.1	2	2.3	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-289	Other	6/16/11	2:43:39 PM	12827932.00	283997.43	775.3	0.04	0.06	0.07	3.1	1.3	1.4	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 2MM, PHOTO 3 AND 4	
Lake-D-290	Other	6/16/11	2:55:05 PM	12827743.80	284085.82	775.4	0.06	0.08	0.10	3.2	1.4	1.6	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 2MM, 12 GLOBS	
Lake-D-291	Other	6/16/11	3:04:43 PM	12827841.84	284320.80	775.7	0.12	0.15	0.19	3.2	3.3	3.4	Heavy	Moderate	Many	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPX. 1-2MM, 20 OR MORE GLOBS	
Lake-D-292	Other	6/16/11	3:16:25 PM	12827443.40	284400.74	775.6	0.08	0.09	0.12	2.4	1.8	1.9	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 2MM	
Lake-D-293	Other	6/16/11	4:14:08 PM	12827458.31	284742.92	775.7	0.03	0.08	0.08	4	0.9	1.1	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1-2MM, 5 GLOBS	
Lake-D-294	Other	6/16/11	3:27:37 PM	12828165.64	284563.96	775.5	0.08	0.11	0.13	3.5	1	2.4	Moderate	Moderate	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPRX 1-2MM	
Lake-D-295	Other	6/16/11	2:21:37 PM	12827016.77	283776.92	775.3	0.04	0.07	0.08	3.9	0.2	0.5	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Sand & Silt	GLOBS APPROX 1MM	
Lake-D-296	Other	6/16/11	2:12:50 PM	12827024.48	283602.97	775.3	0.06	0.10	0.12	3.8	1.3	1.6	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-297	Other	6/16/11	1:58:34 PM	12827314.80	283621.16	774.9	0.07	0.22	0.23	3.8	4.8	5.3	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, 16 GLOBS	
Lake-D-298	Other	6/16/11	1:49:53 PM	12827436.23	283804.66	775.8	0.09	0.43	0.44	3.6	2.6	3	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, 12-14 GLOBS	
Lake-D-299	Other	6/16/11	1:42:38 PM	12827651.07	283732.60	775.3	0.80	2.84	2.95	3.5	2.3	2.5	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-300	Other	6/16/11	1:33:58 PM	12827906.75	283738.49	775.4	0.05	0.15	0.15	3.3	4.7	5.2	Moderate	Light	Common	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, 13 GLOBS, PHOTOS 1 AND 2	
Lake-B-312	Other	6/16/11	10:08:11 AM	12827862.86	284741.57	775.7	0.05	0.06	0.08	4.3	2.7	4.4	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-319	Other	6/16/11	10:34:23 AM	12828347.14	285247.94	775.6	0.05	0.08	0.09	4.4	2.9	3.7	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-320	Other	6/16/11	10:18:48 AM	12827950.05	285029.97	775.6	0.04	0.05	0.06	4.5	0.5	0.5	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-321	Other	6/16/11	10:13:48 AM	12828172.93	284867.11	775.7	0.05	0.07	0.09	4.4	3	4	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-323	Other	6/16/11	10:26:40 AM	12828020.00	285388.40	775.6	0.05	0.08	0.09	4.4	1.1	1.1	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-332	Other	6/16/11	1:26:56 PM	12828168.44	286127.22	775.7	0.03	0.09	0.09	4.7	1.8	2.1	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-333	Other	6/16/11	1:33:30 PM	12828210.77	286077.75	775.7	0.04	0.14	0.14	4.4	1.4	1.4	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-334	Other	6/16/11	1:38:57 PM	12828314.89	286216.00	775.9	0.74	2.95	3.05	4.1	1	1.3	Light	Light	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-335	Other	6/16/11	1:44:45 PM	12828297.38	286346.12	773.3	0.78	2.71	2.82	3.4	3.2	4.1	None	None	None	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-350	Other	6/17/11	10:04:32 AM	12828327.8	285848.59	772.7512	1.3401	1.7485	2.203	4.6	1.8	1.9	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	SHN LT ANCHR	
Lake-B-351	Other	6/17/11	9:58:04 AM	12828189.65	285689.67	775.3936	0.0529	0.0684	0.0865	4.3	0.2	0.4	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-B-357	Other	6/17/11	2:09:06 PM	12827997.77	286044.47	775.5512	0.0444	0.0827	0.0939	5.5	0.6	3	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	SHNONANCHOR, LT 1-MM GLOBS	
Lake-B-360	Other	6/17/11	2:14:03 PM	12827797.83	285770.04	775.593	0.0613	0.104	0.1207	5.8	3.4	4.3	None	None	None	Center	<1ft/sec		Lake	None	Soft Sediment		
Lake-B-365	Other	6/17/11	2:26:42 PM	12827475.71	285864.59	775.5029	0.0496	0.0589	0.077	5.5	0	0	Light	Light	Few	Center	<1ft/sec		Lake	None	Sand		
Lake-B-366	Other	6/17/11	2:30:29 PM	12827407.16	285916.35	7																	

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Lake-B-137	Other	6/13/11	2:16:00 PM	12826724.61	286664.70	775.5	0.06	0.08	0.10	3.5	0.2	0.2	None	None	None	Right	<1ft/sec	No	Lake	5%-25%	Sand		DETRITUS
Lake-B-138	Other	6/13/11	2:10:00 PM	12826654.16	286349.29	775.5	0.09	0.13	0.16	5.2	1.3	1.7	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-139	Other	6/13/11	2:20:00 PM	12826625.40	286888.23	777.9	12.94	16.47	20.95	1.5	0.2	0.3	None	None	None	Right	<1ft/sec	No	Lake	None	Sand & Silt		
Lake-B-140	Other	6/13/11	12:14:39 PM	12826600.78	285340.18	775.6	0.11	0.15	0.19	5.6	0.2	0.4	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Silt over Sand	LT 1MM	
Lake-B-141	Other	6/13/11	2:25:00 PM	12826381.87	286955.49	778.5	2.01	2.82	3.46	1.5	0	0	None	None	None	Right	<1ft/sec	No	Lake	None	Sand & Gravel		
Lake-B-142	Other	6/13/11	1:57:00 PM	12826333.23	285622.23	775.4	0.05	0.15	0.16	5.5	0.2	0.2	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-143	Other	6/13/11	2:35:00 PM	12826215.88	286597.87	775.4	0.03	0.05	0.06	5.1	1.7	3.4	None	None	None	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-144	Other	6/13/11	2:03:00 PM	12825940.57	285987.14	775.4	0.05	0.11	0.12	5.5	2.4	4	None	None	None	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-168	Other	6/13/11	10:56:51 AM	12826954.46	283305.03	775.6	0.04	0.06	0.07	3.2	1.7	1.9	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, LGHT SHEEN ARRIVL	
Lake-B-169	Other	6/13/11	10:44:03 AM	12826801.73	282933.48	775.5	0.04	0.06	0.07	2.3	1.3	5.7	Light	Light	Few	Left	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, SHEEN ON ARRIVAL, DEGRADED	
Lake-B-170	Other	6/13/11	11:04:52 AM	12826635.59	283487.73	775.7	0.03	0.05	0.06	3.7	1.2	1.3	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, LGHT SHEEN ARRIVL	
Lake-B-171	Other	6/13/11	11:12:36 AM	12826530.45	283053.32	775.6	0.03	0.06	0.07	2.5	1.4	1.6	Light	Light	Few	Left	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, HVY SHEEN ARRIVAL	
Lake-B-172	Other	6/13/11	11:20:12 AM	12826355.57	283173.59	775.7	0.05	0.09	0.11	2.5	1.1	1.5	Light	Light	Few	Left	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM, HVY SHEEN ARRIVAL, DEGRADED SHEEN	PHOTO 3 AND 4
Lake-B-173	Other	6/13/11	11:29:05 AM	12826103.31	283415.76	775.6	0.04	0.08	0.09	2.5	0.1	0.3	None	None	None	Left	<1ft/sec		Lake	None	Sand	GLOBS APPROX 1MM, LGHT SHEEN ARRIVL, DEGRADED SHEEN	
Lake-B-174	Other	6/13/11	11:38:43 AM	12825713.63	283361.67	775.6	0.06	0.08	0.10	2.1	0.3	0.4	Light	Light	Few	Left	<1ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-B-176	Other	6/14/11	10:08:02 AM	12828667.86	285227.52	775.5	0.10	0.12	0.15	3.6	0.3	0.5	Light	Light	Few	Center	No	No	Lake	None	Sand & Silt		
Lake-D-213	Other	6/14/11	4:35:59 PM	12826404.87	283970.53	775.7	0.02	0.06	0.07	3.8	3.1	3.1	None	None	None	Center	1-3 ft/sec		Lake	None	Soft Sediment		SILT OVR GRAVEL
Lake-D-214	Other	6/14/11	4:43:52 PM	12826479.21	284521.47	775.4	0.03	0.09	0.09	2.6	0.3	0.9	None	None	None	Center	1-3 ft/sec		Lake	None	Sand & Gravel		SILT OVR GRAVEL
Lake-D-215	Other	6/14/11	4:52:36 PM	12826417.88	284911.74	775.5	0.04	0.10	0.11	3.7	3.1	3.4	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand		
Lake-D-256	Other	6/15/11	4:09:35 PM	12826938.45	283905.77	775.3	0.03	0.05	0.06	4.2	2.7	2.9	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand	GLOBS APPROX 1MM	
Lake-D-259	Other	6/15/11	10:10:04 AM	12826067.76	284059.00	775.4	0.07	0.09	0.11	4.7	1.3	1.4	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand		
Lake-D-260	Other	6/15/11	9:57:49 AM	12825933.69	284864.25	775.8	0.06	0.07	0.10	5.3	3	3.4	None	None	None	Center	1-3 ft/sec		Lake	None	Silt over Sand		
Lake-D-261	Other	6/15/11	10:16:25 AM	12825725.82	283557.51	775.8	0.08	0.11	0.14	3.4	0.4	0.6	Light	Light	Few	Center	1-3 ft/sec		Lake	None	Silt over Sand		
Lake-D-378	Other	6/17/11	1:56:18 PM	12827069.04	285222.76	775.4026	0.0366	0.0738	0.0823	5.2	3.8	4.1	Light	Light	Few	Center	<1ft/sec		Lake	None	Soft Sediment	8 GLOBS, GLOBS APPRX 1-2MM	
Lake-D-383	Other	6/17/11	11:29:16 AM	12826930.64	284174.13	775.2535	0.0392	0.0579	0.0699	4.4	1.4	1.6	Light	Light	Few	Center	<1ft/sec		Lake	None	Sand & Silt	4 GLOBS, GLOBS APPRX 1MM	
Lake-D-384	Other	6/17/11	11:46:19 AM	12826676.48	284814.36	775.2618	0.0438	0.056	0.0711	4.3	1.5	1.8	Light	Light	Few	Center	<1ft/sec		Lake	None	Soft Sediment	1 GLOB, GLOB APPRX 1MM	
Lake-D-385	Other	6/17/11	11:34:50 AM	12826653.51	284324.33	775.1699	0.0519	0.0741	0.0905	4.6	2.5	2.6	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-D-386	Other	6/17/11	11:23:08 AM	12826679.67	284046.97	775.2856	0.0559	0.0884	0.1046	4.6	1.7	1.9	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	3 GLOBS, GLOBS APPRX 1MM	
Lake-D-387	Other	6/17/11	11:10:08 AM	12826566.77	283735.76	775.0635	0.0519	0.0979	0.1108	4.3	2.1	2.3	Moderate	Moderate	Common	Center	<1ft/sec		Lake	None	Silt over Sand	OBS APPRX 1MM, PHOTOS 1 AND 2	
Lake-D-388	Other	6/17/11	11:16:39 AM	12826458.31	283789.05	775.2474	0.036	0.0614	0.0712	4.6	1.8	2.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Soft Sediment		
Lake-D-389	Other	6/17/11	11:02:31 AM	12826835.45	283492.95	775.2363	0.0617	0.1257	0.14	3.8	2	2.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Soft Sediment	7 GLOBS, GLOBS APPRX 1MM	
Lake-D-391	Other	6/17/11	10:33:54 AM	12826794.33	283107.62	775.6183	0.0907	0.1747	0.1968	2.8	1.1	1.2	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	14 GLOBS, GLOBS APPRX 1-2MM	
Lake-D-392	Other	6/17/11	10:49:19 AM	12826558.02	283237.89	775.5448	0.0991	0.2246	0.2455	3	1.5	1.8	Moderate	Light	Common	Center	<1ft/sec		Lake	None	Silt over Sand	13 GLOBS, GLOBS APPRX 1-2MM	
Lake-D-393	Other	6/17/11	10:55:11 AM	12826482.16	283338.12	775.4163	0.0542	0.1184	0.1303	3.5	0.7	1	Light	Light	Few	Center	<1ft/sec		Lake	None	Silt over Sand	3 GLOBS, GLOBS APPRX 1-2MM	
MP 38.50-38.75																							
38.5PA-E-01	Launch	5/4/2011	2:17:27 PM	12825813.51	287119.11	778.3	3.76	5.12	6.35	1.1	0	0.1	None	None	None	Right	No		Other-Comments	None	Gravel & Larger		E4.5 Launch, WATERTEMP 59.9
38.5PA-E-02	Launch	5/4/2011	2:21:16 PM	12825761.83	287143.65	775.3	1.01	1.76	2.03	0.6	0.1	0.2	None	None	None	Right	No		Other-Comments</				

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Lake-B-156	Other	6/13/11	4:25:00 PM	12824513.06	286071.98	775.6	0.04	0.09	0.10	6.6	2.3	2.5	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-157	Other	6/13/11	4:17:00 PM	12824395.28	286645.65	775.5	0.02	0.05	0.05	6.5	1.7	1.8	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-158	Other	6/13/11	4:13:00 PM	12824084.00	287157.33	775.7	0.03	0.06	0.06	6	3.2	3.5	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-159	Other	6/13/11	4:37:00 PM	12824014.82	285520.77	775.6	0.05	0.11	0.12	6.9	3.3	3.9	None	None	None	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-160	Other	6/13/11	4:42:00 PM	12823951.29	286189.33	775.6	0.57	1.75	1.84	6.5	3.3	3.7	None	None	None	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-161	Other	6/13/11	4:56:00 PM	12823519.95	286753.90	775.1	0.24	0.51	0.57	6.8	1.2	1.3	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-162	Other	6/13/11	4:49:00 PM	12823449.77	285791.32	775.6	0.03	0.06	0.07	7.1	2	2.1	None	None	None	Center	<1ft/sec	No	Lake	None	Silt over Sand		
Lake-B-216	Other	6/15/11	3:42:22 PM	12828654.12	283334.20	775.4	0.04	0.06	0.07	3.1	4.3	6	Heavy	Moderate	Many	Left	<1ft/sec	No	Lake	<5%	Soft Sediment	SHN ON ARRVAL	
Lake-B-217	Other	6/15/11	3:50:20 PM	12828616.86	283366.17	775.5	0.03	0.06	0.07	3.4	3.3	6	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-218	Other	6/15/11	3:57:13 PM	12828617.89	283338.63	775.6	0.04	0.07	0.08	4	2.6	4.5	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Silt over Sand		
Lake-B-219	Other	6/15/11	4:03:08 PM	12828570.23	283395.14	775.5	0.03	0.07	0.07	3.5	2.7	4.5	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Soft Sediment	LT SHN ON ARRIVAL	
Lake-B-220	Other	6/15/11	4:08:37 PM	12828631.65	283393.64	775.4	0.04	0.08	0.09	3.2	3	5.7	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	<5%	Soft Sediment	2-3MM	
Lake-B-221	Other	6/15/11	4:13:59 PM	12828606.79	283422.93	775.4	0.03	0.06	0.06	3	3.5	4.6	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Soft Sediment	LT 1MM GLOB	
Lake-B-222	Other	6/15/11	4:17:07 PM	12828684.11	283413.47	775.5	0.02	0.06	0.06	3.1	3.2	4.8	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-223	Other	6/15/11	4:21:23 PM	12828732.31	283397.14	775.5	0.03	0.08	0.09	3	3	6	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-224	Other	6/15/11	4:25:08 PM	12828781.13	283342.79	775.4	0.04	0.10	0.10	3	3.7	6.4	Light	Light	Few	Left	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-227	Other	6/15/11	2:20:14 PM	12827953.58	285230.51	775.8	0.09	0.16	0.18	4.4	2.3	2.6	Light	Light	Few	Center	<1ft/sec	No	Lake	None	Soft Sediment	SHN ON ANCHOR	
Lake-B-228	Other	6/15/11	2:28:44 PM	12828045.52	285138.97	775.5	0.06	0.09	0.11	4.4	1.1	1.8	Moderate	Moderate	Common	Center	<1ft/sec	No	Lake	None	Soft Sediment		
Lake-B-229	Other	6/15/11	2:36:01 PM	12828095.85	285123.04	775.6	0.04	0.06	0.07	4.3	1.4	1.6	Light	Light	Few	Center	<1ft/sec	No	Cove	None	Soft Sediment	SHN ON ANCHOR	
Lake-B-230	Other	6/15/11	2:48:53 PM	12828160.78	285346.58	775.6	0.04	0.05	0.07	4.4	1.1	1.2	Moderate	Light	Common	Center	<1ft/sec	No	Lake	None	Soft Sediment	LT SHN ON ANCHR	
Lake-B-231	Other	6/15/11	3:03:54 PM	12828212.88	285505.39	775.5	0.84	1.08	1.37	4.6	1.6	2.4	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Soft Sediment		
Lake-B-232	Other	6/15/11	3:11:25 PM	12828009.27	285120.79	775.5	0.05	0.06	0.08	4.6	1.1	1.2	Moderate	Light	Common	Center	<1ft/sec	No	Lake	<5%	Silt over Sand	SHN OFF ANCHR	
Lake-B-233	Other	6/15/11	3:18:39 PM	12827832.12	285328.96	775.6	0.05	0.05	0.07	4.5	0.6	0.9	Light	Light	Few	Center	<1ft/sec	No	Lake	<5%	Silt over Sand		
Lake-B-236	Other	6/15/11	1:31:39 PM	12824090.47	283599.15	775.6	0.05	0.16	0.17	3.5	0.2	0.5	None	None	None	Left	<1ft/sec		Lake	<5%	Silt over Sand		
Lake-B-237	Other	6/15/11	10:45:13 AM	12823879.07	284275.50	775.7	0.05	0.09	0.10	5.5	0.5	0.6	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-B-238	Other	6/15/11	1:26:03 PM	12823752.92	284758.87	775.4	0.07	0.25	0.26	3.5	0.2	0.2	None	None	None	Center	<1ft/sec		Lake	None	Sand		
Lake-B-239	Other	6/15/11	1:19:43 PM	12823549.06	285016.25	779.4	1.55	2.86	3.25	7	2.5	2.9	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		SILTOVRCLAY
Lake-B-240	Other	6/15/11	10:33:28 AM	12823605.35	283825.15	776.3	0.12	0.13	0.17	2.9	0.1	0.1	None	None	None	Left	<1ft/sec		Lake	<5%	Sand		
Lake-B-241	Other	6/15/11	10:38:24 AM	12823484.65	284195.07	775.7	0.05	0.08	0.10	4.6	0.2	0.2	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-B-242	Other	6/15/11	1:12:39 PM	12823157.76	285216.94	775.6	0.05	0.08	0.09	7.5	0.6	0.6	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		
Lake-B-243	Other	6/15/11	10:22:03 AM	12823136.12	284433.39	775.7	0.05	0.06	0.08	3.1	0.1	0.1	None	None	None	Center	<1ft/sec		Lake	None	Sand		
Lake-B-244	Other	6/15/11	10:10:45 AM	12822941.97	284793.67	775.7	0.08	0.10	0.12	3.9	0.1	0.1	None	None	None	Center	<1ft/sec		Lake	None	Sand		
Lake-B-245	Other	6/15/11	10:27:54 AM	12822900.44	283878.67	775.8	0.06	0.09	0.11	3.9	0.6	1.1	None	None	None	Left	<1ft/sec		Lake	5%-25%	Other-Comments		SILT OVR CLAY
Lake-B-246	Other	6/15/11	10:16:08 AM	12822756.75	284411.91	776.3	0.07	0.09	0.11	5.6	0.7	0.9	None	None	None	Center	<1ft/sec		Lake	None	Silt over Sand		
MP 39.00 - MP 39.25																							
Lake-B-177	Other	6/14/11	10:19:34 AM	12823516.35	287223.02	775.8	0.05	0.07	0.09	4.2	0.4	1.3	None	None	None	Right	No	No	Lake	None	Sand		
Lake-B-178	Other	6/14/11	10:28:50 AM	12823014.85	287348.69	775.6	0.05	0.07	0.08	2.8	0.2	0.2	None	None	None	Right	No	No	Lake	5%-25%	Sand		
Lake-B-179	Other	6/14/11	10:46:47 AM	12822941.59	286504.39	775.6	0.04	0.06	0.07	8	4	6.5	None	None	None	Center	No	No	Lake	None	Silt over Sand		
Lake-B-180	Other	6/14/11	11:09:01 AM	12822901.50	285545.22	776.0	0.13	0.21	0.25	8	2.9	3.1	None	None	None	Center	No	No	Lake	None	Other-Comments		CLAY REFUSAL
Lake-B-181	Other	6/14/11	10:54:06 AM	12822874.64	286064.11	775.8	0.04																

Table 1. Morrow Lake Poling Data
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Type	Date	Time	Easting	Northing	Elevation (ft)	Position Quality (ft)	Height Quality (ft)	3DCQ (ft)	Water Depth (ft)	One-hand Push (ft)	Two-hand Push (ft)	Submerged Oil Category	Sheen	Globules	Bank	Velocity	Bed Velocity	River Setting	Aquatic Vegetation	Bed Type	Submerged Oil Comments	Location Comments
MP 39.75 - MP 40.00																							
Lake-B-210	Other	6/14/11	3:25:53 PM	12819121.81	286547.64	775.6	0.07	0.11	0.13	11	3.3	7	None	None	None	Center	<1ft/sec	No	Lake	None	Soft Sediment		NO REFUSAL, TOO DEEP
Lake-B-211	Other	6/14/11	3:52:48 PM	12819229.61	287914.03	775.7	0.05	0.11	0.12	3	0.2	0.2	None	None	None	Right	<1ft/sec	No	Lake	25%-50%	Silt over Sand		SOME GRAVEL
Lake-B-212	Other	6/14/11	3:14:20 PM	12819010.52	286037.04	776.2	0.07	0.10	0.12	4	0.1	0.5	Light	Light	Few	Left	<1ft/sec	No	Lake	5%-25%	Sand & Silt		VERY LIGHT, SHEEN ORIGIN UNKNOWN
Lake-B-367	Other	6/17/11	9:25:06 AM	12819003.6	286038.48	774.7418	0.9263	1.2117	1.5252	2.5	0.1	0.2	None	None	None	Left	<1ft/sec	No	Lake	<5%	Sand & Gravel		SCUM FILM SURFACE
Lake-B-368	Other	6/17/11	9:28:03 AM	12819031.03	286043.2	776.004	1.8976	2.8478	3.4221	5.4	0.3	0.3	None	None	None	Left	<1ft/sec		Lake	<5%	Sand		
Lake-B-369	Other	6/17/11	9:37:06 AM	12819060.1	286055.95	774.8807	1.1112	1.4149	1.7991	7.6	1	1.5	None	None	None	Left	<1ft/sec		Lake	<5%	Soft Sediment		SCUM BIOSHEEN

Table 2. Morrow Lake Delineation Table
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Delineation Area	Overall Type	Approx. Acres	Approximate Sq Ft	Date of Most Recent Poling	Range of Sheen	Range of Globules	# of Moderate Poling Locations	# Heavy Poling Locations	Mean Water Depth	Mean Soft Sediment Thickness	Mean Depth to Hard Bottom	Water Velocity	Aquatic Vegetation	Notes
Lake A	Heavy	67.4 acres	2,936,600 sq ft	6/17/11	<30-100%	1-20+	43	13	3.4 ft	2.0 ft	2.4 ft	<1-3 ft/sec	None-<5%	New Site
Lake B	Moderate	8.8 acres	383,400 sq ft	6/17/11	<30-60%	10-20	8	0	4.1 ft	1.3 ft	1.6 ft	<1 ft/sec	None-<5%	New Site
Lake C	Moderate	3.4 acres	147,800 sq ft	6/17/11	<30-60%	1-20	2	0	3.7 ft	1.5 ft	2.0 ft	<1-3 ft/sec	None-<5%	New Site
Lake D	Moderate	0.35 acres	14,600 sq ft	6/8/11	<30%	10-20	1	0	2.7 ft	2.5 ft	2.8 ft	<1 ft/sec	None	New Site
Lake E	Heavy	0.55 acres	23,900 sq ft	6/16/11	30-100%	10-20+	4	3	1.2 ft	1.5 ft	2.5 ft	<1 ft/sec	None-50%	New Site
Lake F	Moderate	1.4 acres	60,200 sq ft	6/7/11	<30%	10-20	2	0	3.6 ft	3.1 ft	3.8 ft	<1 ft/sec	None	New Site
Lake G	Heavy	0.55 acres	25,000 sq ft	6/15/11	30-60%	1-20+	5	1	3.1 ft	3.4 ft	4.8 ft	<1 ft/sec	None-<5%	New Site
Lake H	Heavy	2.2 acres	94,800 sq ft	6/16/11	<30-100%	1-20+	7	2	2.6 ft	1.2 ft	1.4 ft	<1-3 ft/sec	None	New Site
Lake I	Moderate	7.5 acres	325,700 sq ft	6/17/11	<30-60%	10-20	2	0	3.7 ft	1.8 ft	2.1 ft	<1 ft/sec	None	New Site

Submerged Oil Summary - Morrow Lake	
Total number of locations:	9
Number of locations ≥0.25 acres:	9
Approximate Total Area:	92.1 acres (4,012,100 sq ft)
Moderate (5 Locations) -----	21.4 acres (931,700 sq ft)
Heavy (4 Locations) -----	70.7 acres (3,080,400 sq ft)

Table 3. SOTF Sediment Core Analytical Results
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Location ID	Sample Interval (ft)	Date Collected	Date Analyzed	Analyte	Analytical Method	Result (mg/kg)	Lab Result Qualifier	MDL (mg/kg)
SOTF-E-Q-38.26-L01	0.0-0.5	09/15/10	10/26/10	GRO-C6-C10	8015C	10	J	3.9
			10/29/10	DRO-C10-C20	8015C	53		10
			10/29/10	ORO-C20-C40	8015C	230		10
			10/26/10	1,1,1,2-TETRACHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1,1-TRICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1,2,2-TETRACHLOROETHANE	8260B	ND		0.02
			10/26/10	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	8260B	ND		0.01
			10/26/10	1,1,2-TRICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1-DICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1-DICHLOROETHENE	8260B	ND		0.01
			10/26/10	1,2,3-TRICHLOROPROPANE	8260B	ND		0.01
			10/26/10	1,2,4-TRICHLOROBENZENE	8260B	ND		0.01
			10/26/10	1,2,4-TRIMETHYLBENZENE	8260B	ND		0.01
			10/26/10	1,2-DIBROMO-3-CHLOROPROPANE	8260B	ND		0.03
			10/26/10	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	8260B	ND		0.01
			10/26/10	1,2-DICHLOROBENZENE	8260B	ND		0.01
			10/26/10	1,2-DICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,2-DICHLOROPROPANE	8260B	ND		0.01
			10/26/10	1,3,5-TRIMETHYLBENZENE	8260B	ND		0.01
			10/26/10	1,3-DICHLOROBENZENE	8260B	ND		0.01
			10/26/10	1,4-DICHLOROBENZENE	8260B	ND		0.01
			10/26/10	2-HEXANONE	8260B	ND		0.02
			10/26/10	2-METHYLNAPHTHALENE	8260B	ND		0.01
			10/26/10	4-METHYL-2-PENTANONE (MIBK)	8260B	ND		0.01
			10/26/10	ACETONE	8260B	ND		0.09
			10/26/10	BENZENE	8260B	ND		0.01
			10/26/10	BROMOCHLOROMETHANE	8260B	ND		0.01
			10/26/10	BROMODICHLOROMETHANE	8260B	ND		0.01
			10/26/10	BROMOFORM	8260B	ND		0.01
			10/26/10	BROMOMETHANE	8260B	ND		0.01
			10/26/10	CARBON DISULFIDE	8260B	ND		0.01
			10/26/10	CARBON TETRACHLORIDE	8260B	ND		0.01
			10/26/10	CHLOROETHANE	8260B	ND		0.01
			10/26/10	CHLOROFORM	8260B	ND		0.01
			10/26/10	CHLOROMETHANE	8260B	ND		0.02
			10/26/10	CIS-1,2-DICHLOROETHENE	8260B	ND		0.01
			10/26/10	CIS-1,3-DICHLOROPROPENE	8260B	ND		0.01
			10/26/10	DIBROMOCHLOROMETHANE	8260B	ND		0.01
			10/26/10	DIBROMOMETHANE	8260B	ND		0.01
			10/26/10	DICHLORODIFLUOROMETHANE	8260B	ND		0.02
			10/26/10	DIETHYL ETHER	8260B	ND		0.01
			10/26/10	ETHYLBENZENE	8260B	ND		0.01
			10/26/10	ISOPROPYLBENZENE (CUMENE)	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	METHYL ETHYL KETONE (2-BUTANONE)	8260B	0.33	J	0.03
			10/26/10	METHYL IODIDE	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether (MTBE)	8260B	ND		0.01
			10/26/10	METHYLENE CHLORIDE	8260B	ND		0.01
			10/26/10	NAPHTHALENE	8260B	ND		0.02
			10/26/10	N-PROPYLBENZENE	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01
			10/26/10	STYRENE	8260B	ND		0.01
			10/26/10	TETRACHLOROETHENE	8260B	ND		0.01
			10/26/10	TOLUENE	8260B	0.49		0.01
			10/26/10	TRANS-1,2-DICHLOROETHENE	8260B	ND		0.01
			10/26/10	TRANS-1,3-DICHLOROPROPENE	8260B	ND		0.01
			10/26/10	TRANS-1,4-DICHLORO-2-BUTENE	8260B	ND		0.01
			10/26/10	TRICHLOROETHENE	8260B	ND		0.02
			10/26/10	TRICHLOROFLUOROMETHANE	8260B	ND		0.01
			10/26/10	VINYL ACETATE	8260B	ND		0.02
			10/26/10	VINYL CHLORIDE	8260B	ND		0.01
			10/26/10	XYLENES, TOTAL	8260B	ND		0.02
SOTF-E-Q-38.26-L01	0.5-0.9	09/15/10	10/23/10	GRO-C6-C10	8015C	ND		5
			10/24/10	DRO-C10-C20	8015C	100		10
			10/24/10	ORO-C20-C40	8015C	1500		10
			10/26/10	1,1,1,2-Tetrachloroethane	8260B	ND		0.01
			10/26/10	1,1,1-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2,2-Tetrachloroethane	8260B	ND		0.02
			10/26/10	1,1,2-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2-Trichlorotrifluoroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethene	8260B	ND		0.01
			10/26/10	1,2,3-Trichloropropane	8260B	ND		0.01
			10/26/10	1,2,4-Trichlorobenzene	8260B	ND		0.01
			10/26/10	1,2,4-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,2-Dibromo-3-Chloropropane	8260B	ND		0.03
			10/26/10	1,2-Dibromoethane	8260B	ND		0.01
			10/26/10	1,2-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,2-Dichloroethane	8260B	ND		0.01
			10/26/10	1,2-Dichloropropane	8260B	ND		0.01
			10/26/10	1,3,5-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,3-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,4-Dichlorobenzene	8260B	ND		0.01
			10/26/10	2-Butanone	8260B	0.23		0.03
			10/26/10	2-Hexanone	8260B	ND		0.02
			10/26/10	4-Methyl-2-pentanone MIBK	8260B	ND		0.01
			10/26/10	Acetone	8260B	0.18	J	0.09

Table 3. SOTF Sediment Core Analytical Results
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Location ID	Sample Interval (ft)	Date Collected	Date Analyzed	Analyte	Analytical Method	Result (mg/kg)	Lab Result Qualifier	MDL (mg/kg)
SOTF-E-Q-38.26-L01	0.5-0.9 (cont.)	09/15/10	10/26/10	Benzene	8260B	ND		0.01
			10/26/10	Bromochloromethane	8260B	ND		0.01
			10/26/10	Bromodichloromethane	8260B	ND		0.01
			10/26/10	Bromoform	8260B	ND		0.01
			10/26/10	Bromomethane	8260B	ND		0.01
			10/26/10	Carbon disulfide	8260B	0.058		0.01
			10/26/10	Carbon tetrachloride	8260B	ND		0.01
			10/26/10	Chlorobenzene	8260B	ND		0.01
			10/26/10	Chloroethane	8260B	ND		0.01
			10/26/10	Chloroform	8260B	ND		0.01
			10/26/10	Chloromethane	8260B	ND		0.02
			10/26/10	cis-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	cis-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	Dibromochloromethane	8260B	ND		0.01
			10/26/10	Dibromomethane	8260B	ND		0.01
			10/26/10	Dichlorodifluoromethane	8260B	ND		0.02
			10/26/10	Diethyl ether	8260B	ND		0.01
			10/26/10	Ethylbenzene	8260B	ND		0.01
			10/26/10	Isopropylbenzene	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	Methyl iodide	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether MTBE	8260B	ND		0.01
			10/26/10	Methylene Chloride	8260B	ND		0.01
			10/26/10	Naphthalene	8260B	ND		0.02
			10/26/10	N-Propylbenzene	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01
			10/26/10	Styrene	8260B	ND		0.01
			10/26/10	Tetrachloroethene	8260B	ND		0.01
			10/26/10	Toluene	8260B	1.7		0.01
			10/26/10	trans-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	trans-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	trans-1,4-Dichloro-2-butene	8260B	ND		0.01
			10/26/10	Trichloroethene	8260B	ND		0.02
			10/26/10	Trichlorofluoromethane	8260B	ND		0.01
			10/26/10	Vinyl acetate	8260B	ND		0.02
			10/26/10	Vinyl chloride	8260B	ND		0.01
			10/26/10	Xylenes, Total	8260B	ND		0.02
SOTF-E-Q-38.26-L01	0.9-1.3	09/15/10	10/23/10	GRO-C6-C10	8015C	ND		5
			10/24/10	DRO-C10-C20	8015C	31		10
			10/24/10	ORO-C20-C40	8015C	150		10
			10/26/10	1,1,1,2-Tetrachloroethane	8260B	ND		0.01
			10/26/10	1,1,1-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2,2-Tetrachloroethane	8260B	ND		0.02
			10/26/10	1,1,2-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2-Trichlorotrifluoroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethene	8260B	ND		0.01
			10/26/10	1,2,3-Trichloropropane	8260B	ND		0.01
			10/26/10	1,2,4-Trichlorobenzene	8260B	ND		0.01
			10/26/10	1,2,4-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,2-Dibromo-3-Chloropropane	8260B	ND		0.03
			10/26/10	1,2-Dibromoethane	8260B	ND		0.01
			10/26/10	1,2-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,2-Dichloroethane	8260B	ND		0.01
			10/26/10	1,2-Dichloropropane	8260B	ND		0.01
			10/26/10	1,3,5-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,3-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,4-Dichlorobenzene	8260B	ND		0.01
			10/26/10	2-Butanone	8260B	0.095		0.03
			10/26/10	2-Hexanone	8260B	ND		0.02
			10/26/10	4-Methyl-2-pentanone MIBK	8260B	ND		0.01
			10/26/10	Acetone	8260B	ND		0.09
			10/26/10	Benzene	8260B	ND		0.01
			10/26/10	Bromochloromethane	8260B	ND		0.01
			10/26/10	Bromodichloromethane	8260B	ND		0.01
			10/26/10	Bromoform	8260B	ND		0.01
			10/26/10	Bromomethane	8260B	ND		0.01
			10/26/10	Carbon disulfide	8260B	ND		0.01
			10/26/10	Carbon tetrachloride	8260B	ND		0.01
			10/26/10	Chlorobenzene	8260B	ND		0.01
			10/26/10	Chloroethane	8260B	ND		0.01
			10/26/10	Chloroform	8260B	ND		0.01
			10/26/10	Chloromethane	8260B	ND		0.02
			10/26/10	cis-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	cis-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	Dibromochloromethane	8260B	ND		0.01
			10/26/10	Dibromomethane	8260B	ND		0.01
			10/26/10	Dichlorodifluoromethane	8260B	ND		0.02
			10/26/10	Diethyl ether	8260B	ND		0.01
			10/26/10	Ethylbenzene	8260B	ND		0.01
			10/26/10	Isopropylbenzene	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	Methyl iodide	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether MTBE	8260B	ND		0.01
			10/26/10	Methylene Chloride	8260B	ND		0.01
			10/26/10	Naphthalene	8260B	ND		0.02
			10/26/10	N-Propylbenzene	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01

Table 3. SOTF Sediment Core Analytical Results
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Sample Interval (ft)	Date Collected	Date Analyzed	Analyte	Analytical Method	Result (mg/kg)	Lab Result Qualifier	MDL (mg/kg)
SOTF-E-Q-38.26-L01	0.9-1.3 (cont.)	09/15/10	10/26/10	Styrene	8260B	ND		0.01
			10/26/10	Tetrachloroethene	8260B	ND		0.01
			10/26/10	Toluene	8260B	ND		0.01
			10/26/10	trans-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	trans-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	trans-1,4-Dichloro-2-butene	8260B	ND		0.01
			10/26/10	Trichloroethene	8260B	ND		0.02
			10/26/10	Trichlorofluoromethane	8260B	ND		0.01
			10/26/10	Vinyl acetate	8260B	ND		0.02
			10/26/10	Vinyl chloride	8260B	ND		0.01
			10/26/10	Xylenes, Total	8260B	ND		0.02
SOTF-E-Q-39.79-L01	0.0-0.6	09/15/10	10/26/10	GRO-C6-C10	8015C	12	J	3.9
			10/29/10	DRO-C10-C20	8015C	51		10
			10/29/10	ORO-C20-C40	8015C	170		10
			10/26/10	1,1,1,2-TETRACHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1,1-TRICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1,2,2-TETRACHLOROETHANE	8260B	ND		0.02
			10/26/10	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	8260B	ND		0.01
			10/26/10	1,1,2-TRICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1-DICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,1-DICHLOROETHENE	8260B	ND		0.01
			10/26/10	1,2,3-TRICHLOROPROPANE	8260B	ND		0.01
			10/26/10	1,2,4-TRICHLOROBENZENE	8260B	ND		0.01
			10/26/10	1,2,4-TRIMETHYLBENZENE	8260B	ND		0.01
			10/26/10	1,2-DIBROMO-3-CHLOROPROPANE	8260B	ND		0.03
			10/26/10	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	8260B	ND		0.01
			10/26/10	1,2-DICHLOROBENZENE	8260B	ND		0.01
			10/26/10	1,2-DICHLOROETHANE	8260B	ND		0.01
			10/26/10	1,2-DICHLOROPROPANE	8260B	ND		0.01
			10/26/10	1,3,5-TRIMETHYLBENZENE	8260B	ND		0.01
			10/26/10	1,3-DICHLOROBENZENE	8260B	ND		0.01
			10/26/10	1,4-DICHLOROBENZENE	8260B	ND		0.01
			10/26/10	2-HEXANONE	8260B	ND		0.02
			10/26/10	2-METHYLNAPHTHALENE	8260B	ND		0.01
			10/26/10	4-METHYL-2-PENTANONE (MIBK)	8260B	ND		0.01
			10/26/10	ACETONE	8260B	ND		0.09
			10/26/10	BENZENE	8260B	ND		0.01
			10/26/10	BROMOCHLOROMETHANE	8260B	ND		0.01
			10/26/10	BROMODICHLOROMETHANE	8260B	ND		0.01
			10/26/10	BROMOFORM	8260B	ND		0.01
			10/26/10	BROMOMETHANE	8260B	ND		0.01
			10/26/10	CARBON DISULFIDE	8260B	ND		0.01
			10/26/10	CARBON TETRACHLORIDE	8260B	ND		0.01
			10/26/10	CHLOROBENZENE	8260B	ND		0.01
			10/26/10	CHLOROETHANE	8260B	ND		0.01
			10/26/10	CHLOROFORM	8260B	ND		0.01
			10/26/10	CHLOROMETHANE	8260B	ND		0.02
			10/26/10	CIS-1,2-DICHLOROETHENE	8260B	ND		0.01
			10/26/10	CIS-1,3-DICHLOROPROPENE	8260B	ND		0.01
			10/26/10	DIBROMOCHLOROMETHANE	8260B	ND		0.01
			10/26/10	DIBROMOMETHANE	8260B	ND		0.01
			10/26/10	DICHLORODIFLUOROMETHANE	8260B	ND		0.02
			10/26/10	DIETHYL ETHER	8260B	ND		0.01
			10/26/10	ETHYLBENZENE	8260B	ND		0.01
			10/26/10	ISOPROPYLBENZENE (CUMENE)	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	METHYL ETHYL KETONE (2-BUTANONE)	8260B	0.42	J	0.03
			10/26/10	METHYL IODIDE	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether (MTBE)	8260B	ND		0.01
			10/26/10	METHYLENE CHLORIDE	8260B	ND		0.01
			10/26/10	NAPHTHALENE	8260B	ND		0.02
			10/26/10	N-PROPYLBENZENE	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01
			10/26/10	STYRENE	8260B	ND		0.01
			10/26/10	TETRACHLOROETHENE	8260B	ND		0.01
			10/26/10	TOLUENE	8260B	2.7		0.01
			10/26/10	TRANS-1,2-DICHLOROETHENE	8260B	ND		0.01
			10/26/10	TRANS-1,3-DICHLOROPROPENE	8260B	ND		0.01
			10/26/10	TRANS-1,4-DICHLORO-2-BUTENE	8260B	ND		0.01
			10/26/10	TRICHLOROETHENE	8260B	ND		0.02
			10/26/10	TRICHLOROFLUOROMETHANE	8260B	ND		0.01
			10/26/10	VINYL ACETATE	8260B	ND		0.02
			10/26/10	VINYL CHLORIDE	8260B	ND		0.01
			10/26/10	XYLENES, TOTAL	8260B	ND		0.02
SOTF-E-Q-39.79-L01	0.6-1.2	09/15/10	10/23/10	GRO-C6-C10	8015C	11		5
			10/24/10	DRO-C10-C20	8015C	55		10
			10/24/10	ORO-C20-C40	8015C	180		10
			10/26/10	1,1,1,2-Tetrachloroethane	8260B	ND		0.01
			10/26/10	1,1,1-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2,2-Tetrachloroethane	8260B	ND		0.02
			10/26/10	1,1,2-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2-Trichlorotrifluoroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethene	8260B	ND		0.01
			10/26/10	1,2,3-Trichloropropane	8260B	ND		0.01
			10/26/10	1,2,4-Trichlorobenzene	8260B	ND		0.01
			10/26/10	1,2,4-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,2-Dibromo-3-Chloropropane	8260B	ND		0.03

Table 3. SOTF Sediment Core Analytical Results
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Sample Interval (ft)	Date Collected	Date Analyzed	Analyte	Analytical Method	Result (mg/kg)	Lab Result Qualifier	MDL (mg/kg)
SOTF-E-Q-39.79-L01	0.6-1.2 (cont.)	09/15/10	10/26/10	1,2-Dibromoethane	8260B	ND		0.01
			10/26/10	1,2-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,2-Dichloroethane	8260B	ND		0.01
			10/26/10	1,2-Dichloropropane	8260B	ND		0.01
			10/26/10	1,3,5-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,3-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,4-Dichlorobenzene	8260B	ND		0.01
			10/26/10	2-Butanone	8260B	0.17		0.03
			10/26/10	2-Hexanone	8260B	ND		0.02
			10/26/10	4-Methyl-2-pentanone MIBK	8260B	ND		0.01
			10/26/10	Acetone	8260B	ND		0.09
			10/26/10	Benzene	8260B	ND		0.01
			10/26/10	Bromochloromethane	8260B	ND		0.01
			10/26/10	Bromodichloromethane	8260B	ND		0.01
			10/26/10	Bromoform	8260B	ND		0.01
			10/26/10	Bromomethane	8260B	ND		0.01
			10/26/10	Carbon disulfide	8260B	0.069		0.01
			10/26/10	Carbon tetrachloride	8260B	ND		0.01
			10/26/10	Chlorobenzene	8260B	ND		0.01
			10/26/10	Chloroethane	8260B	ND		0.01
			10/26/10	Chloroform	8260B	ND		0.01
			10/26/10	Chloromethane	8260B	ND		0.02
			10/26/10	cis-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	cis-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	Dibromochloromethane	8260B	ND		0.01
			10/26/10	Dibromomethane	8260B	ND		0.01
			10/26/10	Dichlorodifluoromethane	8260B	ND		0.02
			10/26/10	Diethyl ether	8260B	ND		0.01
			10/26/10	Ethylbenzene	8260B	ND		0.01
			10/26/10	Isopropylbenzene	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	Methyl iodide	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether MTBE	8260B	ND		0.01
			10/26/10	Methylene Chloride	8260B	0.055		0.01
			10/26/10	Naphthalene	8260B	ND		0.02
			10/26/10	N-Propylbenzene	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01
			10/26/10	Styrene	8260B	ND		0.01
			10/26/10	Tetrachloroethene	8260B	ND		0.01
			10/28/10	Toluene	8260B	3.9		0.01
			10/26/10	trans-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	trans-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	trans-1,4-Dichloro-2-butene	8260B	ND		0.01
			10/26/10	Trichloroethene	8260B	ND		0.02
			10/26/10	Trichlorofluoromethane	8260B	ND		0.01
			10/26/10	Vinyl acetate	8260B	ND		0.02
			10/26/10	Vinyl chloride	8260B	ND		0.01
			10/26/10	Xylenes, Total	8260B	ND		0.02
SOTF-E-Q-39.85-R01	0.0-0.7	09/15/10	10/23/10	GRO-C6-C10	8015C	18		5
			10/24/10	DRO-C10-C20	8015C	74		10
			10/24/10	ORO-C20-C40	8015C	550		10
			10/26/10	1,1,1,2-Tetrachloroethane	8260B	ND		0.01
			10/26/10	1,1,1-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2-Tetrachloroethane	8260B	ND		0.02
			10/26/10	1,1,2-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2-Trichlorotrifluoroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethene	8260B	ND		0.01
			10/26/10	1,2,3-Trichloropropane	8260B	ND		0.01
			10/26/10	1,2,4-Trichlorobenzene	8260B	ND		0.01
			10/26/10	1,2,4-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,2-Dibromo-3-Chloropropane	8260B	ND		0.03
			10/26/10	1,2-Dibromoethane	8260B	ND		0.01
			10/26/10	1,2-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,2-Dichloroethane	8260B	ND		0.01
			10/26/10	1,2-Dichloropropane	8260B	ND		0.01
			10/26/10	1,3,5-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,3-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,4-Dichlorobenzene	8260B	ND		0.01
			10/26/10	2-Butanone	8260B	0.22		0.03
			10/26/10	2-Hexanone	8260B	0.054		0.02
			10/26/10	4-Methyl-2-pentanone MIBK	8260B	ND		0.01
			10/26/10	Acetone	8260B	0.12	J	0.09
			10/26/10	Benzene	8260B	ND		0.01
			10/26/10	Bromochloromethane	8260B	ND		0.01
			10/26/10	Bromodichloromethane	8260B	ND		0.01
			10/26/10	Bromoform	8260B	ND		0.01
			10/26/10	Bromomethane	8260B	ND		0.01
			10/26/10	Carbon disulfide	8260B	ND		0.01
			10/26/10	Carbon tetrachloride	8260B	ND		0.01
			10/26/10	Chlorobenzene	8260B	ND		0.01
			10/26/10	Chloroethane	8260B	ND		0.01
			10/26/10	Chloroform	8260B	ND		0.01
			10/26/10	Chloromethane	8260B	ND		0.02
			10/26/10	cis-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	cis-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	Dibromochloromethane	8260B	ND		0.01
			10/26/10	Dibromomethane	8260B	ND		0.01

Table 3. SOTF Sediment Core Analytical Results
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Location ID	Sample Interval (ft)	Date Collected	Date Analyzed	Analyte	Analytical Method	Result (mg/kg)	Lab Result Qualifier	MDL (mg/kg)
SOTF-E-Q-39.85-R01	0.0-0.7 (cont.)	09/15/10	10/26/10	Dichlorodifluoromethane	8260B	ND		0.02
			10/26/10	Diethyl ether	8260B	ND		0.01
			10/26/10	Ethylbenzene	8260B	ND		0.01
			10/26/10	Isopropylbenzene	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	Methyl iodide	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether MTBE	8260B	ND		0.01
			10/26/10	Methylene Chloride	8260B	ND		0.01
			10/26/10	Naphthalene	8260B	ND		0.02
			10/26/10	N-Propylbenzene	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01
			10/26/10	Styrene	8260B	ND		0.01
			10/26/10	Tetrachloroethene	8260B	ND		0.01
			10/26/10	Toluene	8260B	1.1		0.01
			10/26/10	trans-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	trans-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	trans-1,4-Dichloro-2-butene	8260B	ND		0.01
			10/26/10	Trichloroethene	8260B	ND		0.02
			10/26/10	Trichlorofluoromethane	8260B	ND		0.01
			10/26/10	Vinyl acetate	8260B	ND		0.02
			10/26/10	Vinyl chloride	8260B	ND		0.01
			10/26/10	Xylenes, Total	8260B	ND		0.02
SOTF-E-Q-39.85-R01	0.7-1.1	09/15/10	10/23/10	GRO-C6-C10	8015C	15		5
			10/24/10	DRO-C10-C20	8015C	26		10
			10/24/10	ORO-C20-C40	8015C	74		10
			10/26/10	1,1,1,2-Tetrachloroethane	8260B	ND		0.01
			10/26/10	1,1,1-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2,2-Tetrachloroethane	8260B	ND		0.02
			10/26/10	1,1,2-Trichloroethane	8260B	ND		0.01
			10/26/10	1,1,2-Trichlorotrifluoroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethane	8260B	ND		0.01
			10/26/10	1,1-Dichloroethene	8260B	ND		0.01
			10/26/10	1,2,3-Trichloropropane	8260B	ND		0.01
			10/26/10	1,2,4-Trichlorobenzene	8260B	ND		0.01
			10/26/10	1,2,4-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,2-Dibromo-3-Chloropropane	8260B	ND		0.03
			10/26/10	1,2-Dibromoethane	8260B	ND		0.01
			10/26/10	1,2-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,2-Dichloroethane	8260B	ND		0.01
			10/26/10	1,2-Dichloropropane	8260B	ND		0.01
			10/26/10	1,3,5-Trimethylbenzene	8260B	ND		0.01
			10/26/10	1,3-Dichlorobenzene	8260B	ND		0.01
			10/26/10	1,4-Dichlorobenzene	8260B	ND		0.01
			10/26/10	2-Butanone	8260B	ND		0.03
			10/26/10	2-Hexanone	8260B	ND		0.02
			10/26/10	4-Methyl-2-pentanone MIBK	8260B	ND		0.01
			10/26/10	Acetone	8260B	ND		0.09
			10/26/10	Benzene	8260B	ND		0.01
			10/26/10	Bromochloromethane	8260B	ND		0.01
			10/26/10	Bromodichloromethane	8260B	ND		0.01
			10/26/10	Bromoform	8260B	ND		0.01
			10/26/10	Bromomethane	8260B	ND		0.01
			10/26/10	Carbon disulfide	8260B	ND		0.01
			10/26/10	Carbon tetrachloride	8260B	ND		0.01
			10/26/10	Chlorobenzene	8260B	ND		0.01
			10/26/10	Chloroethane	8260B	ND		0.01
			10/26/10	Chloroform	8260B	ND		0.01
			10/26/10	Chloromethane	8260B	ND		0.02
			10/26/10	cis-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	cis-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	Dibromochloromethane	8260B	ND		0.01
			10/26/10	Dibromomethane	8260B	ND		0.01
			10/26/10	Dichlorodifluoromethane	8260B	ND		0.02
			10/26/10	Diethyl ether	8260B	ND		0.01
			10/26/10	Ethylbenzene	8260B	ND		0.01
			10/26/10	Isopropylbenzene	8260B	ND		0.01
			10/26/10	m&p-Xylene	8260B	ND		0.01
			10/26/10	Methyl iodide	8260B	ND		0.02
			10/26/10	Methyl tert-butyl ether MTBE	8260B	ND		0.01
			10/26/10	Methylene Chloride	8260B	0.063		0.01
			10/26/10	Naphthalene	8260B	ND		0.02
			10/26/10	N-Propylbenzene	8260B	ND		0.01
			10/26/10	o-Xylene	8260B	ND		0.01
			10/26/10	Styrene	8260B	ND		0.01
			10/26/10	Tetrachloroethene	8260B	ND		0.01
			10/26/10	Toluene	8260B	1.1		0.01
			10/26/10	trans-1,2-Dichloroethene	8260B	ND		0.01
			10/26/10	trans-1,3-Dichloropropene	8260B	ND		0.01
			10/26/10	trans-1,4-Dichloro-2-butene	8260B	ND		0.01
			10/26/10	Trichloroethene	8260B	ND		0.02
			10/26/10	Trichlorofluoromethane	8260B	ND		0.01
			10/26/10	Vinyl acetate	8260B	ND		0.02
			10/26/10	Vinyl chloride	8260B	ND		0.01
			10/26/10	Xylenes, Total	8260B	ND		0.02

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	8/5/2010 3:23 PM	8/5/2010 3:39 PM	8/5/2010 4:35 PM	8/5/2010 4:55 PM	8/6/2010 2:39 PM	8/6/2010 3:25 PM	8/6/2010 3:42 PM	8/6/2010 4:43 PM	8/26/2010 2:20 PM	8/26/2010 2:45 PM	8/26/2010 4:20 PM	8/26/2010 5:00 PM	8/27/2010 11:45 AM
	Sample			SE0805152 3JWP1	SE0805153 9JWP1	SE0805163 5JWP1	SE0805165 5JWP1	SE0806143 9DLJ1	SE0806152 5DLJ1	SE0806154 2DLJ1	SE0806164 3DLJ1	SEE082614 20RCM1	SEE082614 45JRP1	SEE082616 20RCM1	SEE082617 00JRP1	SEE082711 45RCM1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																
Moisture, percent	%	NCE	NCE	---	---	---	---	---	---	---	---	---	76	---	39	---
Solids	%	NCE	NCE	---	---	---	---	---	---	---	---	---	24	---	61	---
Metals																
Aluminum	mg/kg	NCE	NCE	8400	1500	1500	580	---	---	---	---	---	---	---	---	---
Antimony	mg/kg	NCE	NCE	< 0.3	< 0.3	< 0.61	< 0.53	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	2230	< 4000	< 3280	< 1600	< 2450
Arsenic	mg/kg	33	9.79	8.3	2.4	2.3	0.95	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	33000	9790	---	---	---	---	---	---	---	---	12900	19000	13700	4500	11900
Barium	mg/kg	NCE	NCE	110	20	23	6.9	---	---	---	---	---	---	---	---	---
Barium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	219000	170000	257000	37000	200000
Beryllium	mg/kg	NCE	NCE	< 2.5	< 0.5	< 0.5	< 0.5	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	164	540	165	170	95.1
Cadmium	mg/kg	4.98	0.99	0.53	< 0.2	< 0.24	< 0.21	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	4980	990	---	---	---	---	---	---	---	---	2290	1700	2490	190	1400
Calcium	mg/kg	NCE	NCE	7900	1400	20000	2700	---	---	---	---	---	---	---	---	---
Calcium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	184000000	89000000	198000000	30000000	181000000
Chromium (Total)	mg/kg	NCE	43.4	17	17	17	2.3	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	NCE	43400	---	---	---	---	---	---	---	---	117000	94000	110000	14000	80500
Cobalt	mg/kg	NCE	50	3.8	1.8	2.7	0.58	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	NCE	50000	---	---	---	---	---	---	---	---	5820	8200	6060	2600	5620
Copper	mg/kg	149	31.6	7	4.1	4.7	< 1	---	---	---	---	---	---	---	---	---
Copper	ug/kg	149000	31600	---	---	---	---	---	---	---	---	52500	42000	56500	8100	34800
Iron	mg/kg	NCE	NCE	18000	6900	7200	1600	---	---	---	---	---	---	---	---	---
Iron	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	27100000	37000000	31200000	9600000	21100000
Lead	mg/kg	128	35.8	8	5.9	8.3	1.7	---	---	---	---	---	---	---	---	---
Lead	ug/kg	128000	35800	---	---	---	---	---	---	---	---	68300	60000	72100	10000	49600
Magnesium	mg/kg	NCE	NCE	2400	870	1900	340	---	---	---	---	---	---	---	---	---
Magnesium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	5670000	6400000	6480000	3300000	4770000
Manganese	mg/kg	NCE	NCE	110	100	150	26	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	1130000	1500000	1420000	460000	933000
Mercury (Total)	mg/kg	1.06	0.174	0.076	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	1060	174	---	---	---	---	---	---	---	---	369	290	361	80	258
Molybdenum	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 18400	< 2000	< 21800	< 790	< 16300
Nickel	mg/kg	48.6	22.7	11	8.2	13	1.6	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	48600	22700	---	---	---	---	---	---	---	---	27200	27000	24700	6800	31500
Potassium	mg/kg	NCE	NCE	300	66	100	36	---	---	---	---	---	---	---	---	---
Selenium	mg/kg	NCE	NCE	1.8	< 0.2	< 0.61	< 0.53	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	1320	830	2010	< 790	948
Silver	mg/kg	NCE	0.5	< 0.12	< 0.1	< 0.61	< 0.53	---	---	---	---	---	---	---	---	---
Silver	ug/kg	NCE	500	---	---	---	---	---	---	---	---	1010	530	1070	100	477
Sodium	mg/kg	NCE	NCE	82	14	32	< 21	---	---	---	---	---	---	---	---	---
Thallium	mg/kg	NCE	NCE	< 0.62	< 0.5	< 0.61	< 0.53	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 4590	< 2000	3220	< 790	1610
Vanadium	mg/kg	NCE	NCE	24	5.9	7.5	2.3	---	---	---	---	---	---	---	---	---

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	8/5/2010 3:23 PM	8/5/2010 3:39 PM	8/5/2010 4:35 PM	8/5/2010 4:55 PM	8/6/2010 2:39 PM	8/6/2010 3:25 PM	8/6/2010 3:42 PM	8/6/2010 4:43 PM	8/26/2010 2:20 PM	8/26/2010 2:45 PM	8/26/2010 4:20 PM	8/26/2010 5:00 PM	8/27/2010 11:45 AM
	Sample			SE0805152 3JWP1	SE0805153 9JWP1	SE0805163 5JWP1	SE0805165 5JWP1	SE0806143 9DLJ1	SE0806152 5DLJ1	SE0806154 2DLJ1	SE0806164 3DLJ1	SEE082614 20RCM1	SEE082614 45JRP1	SEE082616 20RCM1	SEE082617 00JRP1	SEE082711 45RCM1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Vanadium	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	13400	16000	14300	5600	10500
Zinc	mg/kg	459	121	59	40	51	6.7	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	459000	121000	---	---	---	---	---	---	---	---	301000	250000	326000	52000	222000
PCB																
Aroclor 1016	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	< 66	< 180	< 27	< 130
Aroclor 1221	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	< 66	< 180	< 27	< 130
Aroclor 1232	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	< 66	< 180	< 27	< 130
Aroclor 1242	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	< 66	< 180	< 27	< 130
Aroclor 1248	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	260	< 180	24	< 130
Aroclor 1254	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	< 66	< 180	< 27	< 130
Aroclor 1260	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 150	< 66	< 180	< 27	< 130
Polychlorinated biphenyls (PCBs), total	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	260	---	24	---
PNA																
1,2,4-Trichlorobenzene	ug/kg	NCE	5062	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
1,2-Dichlorobenzene	ug/kg	NCE	294	---	---	---	---	---	---	---	---	< 230	< 680	< 270	< 270	< 310
1,3-Dichlorobenzene	ug/kg	NCE	1315	---	---	---	---	---	---	---	---	< 230	< 680	< 270	< 270	< 310
1,4-Dichlorobenzene	ug/kg	NCE	318	---	---	---	---	---	---	---	---	< 230	< 680	< 270	< 270	< 310
2,4,5-Trichlorophenol	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 1300	< 1400	< 530	< 1600
2,4,6-Trichlorophenol	ug/kg	NCE	208	---	---	---	---	---	---	---	---	< 1200	< 1300	< 1400	< 530	< 1600
2,4-Dichlorophenol	ug/kg	NCE	81.7	---	---	---	---	---	---	---	---	< 1200	< 1300	< 1400	< 530	< 1600
2,4-Dimethylphenol	ug/kg	NCE	304	---	---	---	---	---	---	---	---	< 1200	< 1300	< 1400	< 530	< 1600
2,4-Dinitrophenol	ug/kg	NCE	6.21	---	---	---	---	---	---	---	---	< 3000	< 2700	< 3600	< 1100	< 4100
2,4-Dinitrotoluene	ug/kg	NCE	14.4	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
2,6-Dinitrotoluene	ug/kg	NCE	39.8	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
2-Chloronaphthalene	ug/kg	NCE	417	< 330	< 330	< 330	< 330	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
2-Chlorophenol	ug/kg	NCE	31.9	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
2-Methyl-4,6-dinitrophenol	ug/kg	NCE	104	---	---	---	---	---	---	---	---	< 6200	< 1300	< 7400	< 530	< 8300
2-Methylnaphthalene	ug/kg	NCE	20.2	< 330	< 330	< 330	< 330	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
2-Methylphenol	ug/kg	NCE	55.4	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
2-Nitroaniline	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 3000	< 680	< 3600	< 270	< 4100
2-Nitrophenol	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 1300	< 1400	< 530	< 1600
3- And 4- Methylphenol (Total)	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1800	< 680	< 2200	< 270	< 2400
3,3'-Dichlorobenzidine	ug/kg	NCE	127	---	---	---	---	---	---	---	---	< 7300	< 680	< 8700	< 270	< 9800
3-Nitroaniline	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 3000	< 1300	< 3600	< 530	< 4100
4-Bromophenyl phenylether	ug/kg	NCE	1550	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
4-Chloro-3-methylphenol	ug/kg	NCE	388	---	---	---	---	---	---	---	---	< 1000	< 1300	< 1200	< 530	< 1400
4-Chloroaniline	ug/kg	NCE	146	---	---	---	---	---	---	---	---	< 1200	< 2700	< 1400	< 1100	< 1600
4-Chlorophenyl phenylether	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
4-Nitroaniline	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 3000	< 1300	< 3600	< 530	< 4100
4-Nitrophenol	ug/kg	NCE	13.3	---	---	---	---	---	---	---	---	< 3000	< 2700	< 3600	< 1100	< 4100
Acenaphthene	ug/kg	NCE	6.71	< 330	< 330	< 330	< 330	---	---	---	---	< 1200	< 130	< 1400	< 53	< 1600
Acenaphthylene	ug/kg	NCE	5.87	< 330	< 330	< 330	< 330	---	---	---	---	< 1200	< 130	< 1400	< 53	< 1600
Anthracene	ug/kg	845	57.2	< 300	< 300	< 300	< 300	---	---	---	---	40	< 130	< 1400	21	< 1600
Benzaldehyde	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	---	< 1400	---	< 1600
Benzo(a)anthracene	ug/kg	1050	108	< 330	< 330	< 330	< 330	---	---	---	---	160	210	90	90	120

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Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	8/5/2010 3:23 PM	8/5/2010 3:39 PM	8/5/2010 4:35 PM	8/5/2010 4:55 PM	8/6/2010 2:39 PM	8/6/2010 3:25 PM	8/6/2010 3:42 PM	8/6/2010 4:43 PM	8/26/2010 2:20 PM	8/26/2010 2:45 PM	8/26/2010 4:20 PM	8/26/2010 5:00 PM	8/27/2010 11:45 AM
	Sample			SE0805152 3JWP1	SE0805153 9JWP1	SE0805163 5JWP1	SE0805165 5JWP1	SE0806143 9DLJ1	SE0806152 5DLJ1	SE0806154 2DLJ1	SE0806164 3DLJ1	SEE082614 20RCM1	SEE082614 45JRP1	SEE082616 20RCM1	SEE082617 00JRP1	SEE082711 45RCM1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzo(a)pyrene	ug/kg	1450	150	< 330	< 330	< 330	< 330	---	---	---	---	270	260	150	100	200
Benzo(b)fluoranthene	ug/kg	NCE	10400	< 330	< 330	< 330	< 330	---	---	---	---	400	290	240	130	350
Benzo(g,h,i)perylene	ug/kg	NCE	170	< 300	< 300	< 300	< 300	---	---	---	---	250	200	130	78	170
Benzo(k)fluoranthene	ug/kg	NCE	240	< 330	< 330	< 330	< 330	---	---	---	---	170	190	85	49	110
Biphenyl	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	---	< 1400	---	< 1600
Bis(2-chloroethoxy) methane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Bis(2-chloroethyl)ether	ug/kg	NCE	3520	---	---	---	---	---	---	---	---	< 370	< 680	< 440	< 270	< 490
Bis(2-chloroisopropyl) ether	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Bis(2-ethylhexyl)phthalate	ug/kg	NCE	182	---	---	---	---	---	---	---	---	170	< 680	110	< 270	120
Butyl benzyl phthalate	ug/kg	NCE	1970	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Caprolactam	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	---	< 1400	---	< 1600
Carbazole	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Chrysene	ug/kg	1290	166	< 330	< 330	< 330	< 330	---	---	---	---	290	260	160	110	200
Dibenzo(a,h)anthracene	ug/kg	NCE	33	< 330	< 330	< 330	< 330	---	---	---	---	59	56	< 1400	18	34
Dibenzofuran	ug/kg	NCE	449	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Diethyl phthalate	ug/kg	NCE	295	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Dimethyl phthalate	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Di-n-butyl phthalate	ug/kg	NCE	1114	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Di-n-octyl phthalate	ug/kg	NCE	40600	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Fluoranthene	ug/kg	2230	423	< 330	< 330	< 330	< 330	---	---	---	---	470	460	270	220	360
Fluorene	ug/kg	536	77.4	< 330	< 330	< 330	< 330	---	---	---	---	< 1200	< 130	< 1400	< 53	< 1600
Hexachlorobenzene (C-66)	ug/kg	NCE	20	---	---	---	---	---	---	---	---	< 1200	< 270	< 1400	< 110	< 1600
Hexachlorobutadiene (C-46)	ug/kg	NCE	26.5	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Hexachlorocyclopentadiene (C-56)	ug/kg	NCE	901	---	---	---	---	---	---	---	---	< 1200	< 2700	< 1400	< 1100	< 1600
Hexachloroethane	ug/kg	NCE	584	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Indeno(1,2,3-c,d)pyrene	ug/kg	NCE	200	< 330	< 330	< 330	< 330	---	---	---	---	190	180	98	71	140
Isophorone	ug/kg	NCE	432	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Naphthalene	ug/kg	561	176	< 330	< 330	< 330	< 330	---	---	---	---	< 1200	< 130	< 1400	< 53	< 1600
Nitrobenzene	ug/kg	NCE	145	---	---	---	---	---	---	---	---	< 1200	< 130	< 1400	< 53	< 1600
n-Nitroso-di-n-propylamine	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
N-Nitrosodiphenylamine	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Pentachlorophenol	ug/kg	NCE	23000	---	---	---	---	---	---	---	---	< 2900	< 2700	< 3500	< 1100	< 3900
Phenanthrene	ug/kg	1170	204	< 330	< 330	< 330	< 330	---	---	---	---	120	130	66	89	83
Phenol	ug/kg	NCE	49.1	---	---	---	---	---	---	---	---	< 1200	< 680	< 1400	< 270	< 1600
Pyrene	ug/kg	1520	195	< 330	< 330	< 330	< 330	---	---	---	---	390	400	210	200	280
Solids																
Moisture, percent	%	NCE	NCE	41	22	41	22	28	27	44	42	---	---	---	---	---
Solids	%	NCE	NCE	---	---	---	---	---	---	---	---	21.8	---	18.3	---	24.5
TPH																
Diesel Range Organics (C10-C20)	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 9200	140000	< 11000	16000	27000
Diesel Range Organics (C10-C38)	mg/kg	NCE	NCE	14	10	27	23	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C12)	ug/kg	NCE	NCE	< 4000	< 4000	< 4000	< 4000	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	12000	970000	19000	63000	250000
Specific Identification of Gasoline	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 11000	< 10000	14000	< 3500	< 19000
VOC																

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	8/5/2010 3:23 PM	8/5/2010 3:39 PM	8/5/2010 4:35 PM	8/5/2010 4:55 PM	8/6/2010 2:39 PM	8/6/2010 3:25 PM	8/6/2010 3:42 PM	8/6/2010 4:43 PM	8/26/2010 2:20 PM	8/26/2010 2:45 PM	8/26/2010 4:20 PM	8/26/2010 5:00 PM	8/27/2010 11:45 AM
	Sample			SE0805152 3JWP1	SE0805153 9JWP1	SE0805163 5JWP1	SE0805165 5JWP1	SE0806143 9DLJ1	SE0806152 5DLJ1	SE0806154 2DLJ1	SE0806164 3DLJ1	SEE082614 20RCM1	SEE082614 45JRP1	SEE082616 20RCM1	SEE082617 00JRP1	SEE082711 45RCM1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1,2-Tetrachloroethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,1,1-Trichloroethane	ug/kg	NCE	213	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,1,2,2-Tetrachloroethane	ug/kg	NCE	850	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,1,2-Trichloroethane	ug/kg	NCE	518	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,1-Dichloroethane	ug/kg	NCE	0.575	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,1-Dichloroethylene	ug/kg	NCE	19.4	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,2,3-Trichloropropane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,2,4-Trichlorobenzene	ug/kg	NCE	5062	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	< 100	< 100	< 100	< 100	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,2-Dichlorobenzene	ug/kg	NCE	294	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,2-Dichloroethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,2-Dichloropropane	ug/kg	NCE	333	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	< 100	< 100	< 100	< 100	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,3-Dichlorobenzene	ug/kg	NCE	1315	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,3-Dichloropropene, cis	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,3-Dichloropropene, trans	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
1,4-Dichloro-2-butene, trans	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 42	< 14	< 16	< 20
1,4-Dichlorobenzene	ug/kg	NCE	318	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
2-Butanone (MEK)	ug/kg	NCE	42.4	---	---	---	---	---	---	---	---	35	< 21	25	< 8.2	< 80
2-Hexanone	ug/kg	NCE	58.2	---	---	---	---	---	---	---	---	< 110	< 21	< 56	< 8.2	< 80
2-Methylnaphthalene	ug/kg	NCE	20.2	< 430	< 330	< 430	< 330	---	---	---	---	< 55	< 21	< 28	< 8.2	< 40
4-Methyl-2-pentanone (MIBK)	ug/kg	NCE	25.1	---	---	---	---	---	---	---	---	< 110	< 21	< 56	< 8.2	< 80
Acetone	ug/kg	NCE	9.9	---	---	---	---	---	---	---	---	150	120	110	< 8.2	< 80
Benzene	ug/kg	NCE	142	< 50	< 50	< 50	< 50	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Bromochloromethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Bromodichloromethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Bromoform	ug/kg	NCE	492	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Bromomethane	ug/kg	NCE	1.37	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Carbon disulfide	ug/kg	NCE	23.9	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Carbon tetrachloride	ug/kg	NCE	1450	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Chlorobenzene	ug/kg	NCE	291	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Chloroethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Chloroform	ug/kg	NCE	121	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Chloromethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
cis-1,2-Dichloroethylene	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Dibromochloromethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Dibromochloropropane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 55	< 21	< 28	< 8.2	< 40
Dibromomethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Dichlorodifluoromethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Diethyl ether	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Ethylbenzene	ug/kg	NCE	175	< 50	< 50	< 50	< 50	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Ethylene dibromide	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Isopropyl benzene	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
m&p-Xylene	ug/kg	NCE	NCE	< 100	< 100	< 100	< 100	---	---	---	---	< 55	< 42	< 28	< 16	< 40

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	8/5/2010 3:23 PM	8/5/2010 3:39 PM	8/5/2010 4:35 PM	8/5/2010 4:55 PM	8/6/2010 2:39 PM	8/6/2010 3:25 PM	8/6/2010 3:42 PM	8/6/2010 4:43 PM	8/26/2010 2:20 PM	8/26/2010 2:45 PM	8/26/2010 4:20 PM	8/26/2010 5:00 PM	8/27/2010 11:45 AM
	Sample			SE0805152 3JWP1	SE0805153 9JWP1	SE0805163 5JWP1	SE0805165 5JWP1	SE0806143 9DLJ1	SE0806152 5DLJ1	SE0806154 2DLJ1	SE0806164 3DLJ1	SEE082614 20RCM1	SEE082614 45JRP1	SEE082616 20RCM1	SEE082617 00JRP1	SEE082711 45RCM1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Methyl Iodide	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 42	< 14	< 16	< 20
Methylene chloride	ug/kg	NCE	159	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Methyl-tert-butyl ether (MTBE)	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 110	< 21	< 56	< 8.2	< 80
Naphthalene	ug/kg	561	176	< 330	< 330	< 330	< 330	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
n-Propylbenzene	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
o-Xylene	ug/kg	NCE	NCE	< 50	< 50	< 50	< 50	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Styrene	ug/kg	NCE	254	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Tetrachloroethylene	ug/kg	NCE	990	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Toluene	ug/kg	NCE	1220	< 100	< 100	< 100	< 100	---	---	---	---	2.9	< 21	< 14	< 8.2	< 20
trans-1,2-Dichloroethylene	ug/kg	NCE	654	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Trichloroethylene	ug/kg	NCE	112	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Trichlorofluoromethane	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Vinyl acetate	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	< 55	< 21	< 28	< 8.2	< 40
Vinyl chloride	ug/kg	NCE	202	---	---	---	---	---	---	---	---	< 28	< 21	< 14	< 8.2	< 20
Xylenes	ug/kg	NCE	433	< 150	< 150	< 150	< 150	---	---	---	---	< 55	< 42	< 28	< 16	< 40

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 12:15 PM	8/27/2010 2:45 PM	8/27/2010 3:00 PM	8/27/2010 3:36 PM	8/27/2010 4:14 PM	8/27/2010 4:52 PM	8/28/2010 12:15 PM	8/28/2010 2:00 PM	8/28/2010 2:20 PM	8/28/2010 3:05 PM	8/28/2010 3:10 PM	8/28/2010 3:40 PM	8/28/2010 4:07 PM	8/28/2010 4:30 PM	8/29/2010 11:10 AM	8/29/2010 1:54 PM
	Sample	SEE082712 15PML1	SEE082714 45JRP1	SEE082715 00PML1	SEE082715 36TWH1	SEE082716 14TWH1	SEE082716 52TWH1	SEE082812 15PML1	SEB082814 00JLS1	SEE082814 20TWH1	SEE082815 05PML1	SEE082815 10TWH1	SEE082815 40JRP1	SEE082816 07TWH1	SEE082816 30RCM1	SEE082911 10PML1	SEE082913 54KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Solids	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	3210	327	< 2510	< 836	388	< 955	< 2160	< 794	< 2170	< 2750	< 2030	< 786	< 3130	< 3150	1350	< 1260
Arsenic	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	18300	4200	20400	11700	6290	17600	13800	5440	15900	18900	16500	2600	16200	16600	8240	8740
Barium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/kg	230000	28500	186000	115000	64300	103000	161000	34500	161000	202000	185000	19200	263000	241000	212000	74700
Beryllium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	206	< 569	166	52.3	< 698	103	114	< 529	241	159	174	< 524	165	192	< 1490	< 841
Cadmium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	2630	121	1980	< 223	753	402	1700	29.4	1590	2240	1140	50.6	2670	2580	1180	499
Calcium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/kg	114000000	9250000	96200000	57700000	39900000	14300000	88900000	54000000	81400000	117000000	107000000	6530000	134000000	135000000	218000000	38500000
Chromium (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	105000	12700	90500	5880	32900	20900	102000	7620	136000	119000	78500	13900	123000	126000	54700	44000
Cobalt	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	7890	2340	8200	3140	4010	4300	7570	2710	8070	8870	8690	2300	7050	7450	3480	4790
Copper	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/kg	55300	3990	42600	3580	36800	12000	43200	1520	46600	53800	33200	3080	60900	62200	28100	15700
Iron	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/kg	38800000	8790000	37700000	21200000	12400000	22500000	32400000	7600000	25200000	35700000	42000000	5200000	34500000	35800000	15600000	18300000
Lead	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/kg	72000	6160	59500	2860	31700	17200	61600	4450	63600	73800	45100	5270	80800	81200	39300	24800
Magnesium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/kg	7290000	1220000	6640000	3260000	4020000	1520000	6120000	5540000	5020000	7690000	8860000	1780000	6450000	7120000	4890000	3170000
Manganese	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	1440000	314000	1540000	1470000	412000	805000	1300000	638000	668000	1350000	2340000	110000	1250000	1480000	960000	708000
Mercury (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	387	< 56.9	358	31.8	462	146	239	< 52.9	416	377	235	< 52.4	338	423	167	112
Molybdenum	ug/kg	1090	< 5690	< 16800	< 5570	< 6980	421	< 14400	< 5290	1380	< 18300	< 13600	< 5240	< 20900	1050	< 14900	< 8410
Nickel	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	27100	6160	24500	4920	14900	8550	28500	4750	57500	33100	31000	8280	28800	31200	15100	15700
Potassium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	1090	< 711	1570	< 697	< 872	663	888	< 662	1560	1450	< 1690	< 655	1330	< 2630	< 1860	< 1050
Silver	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/kg	735	< 427	474	< 418	533	< 477	474	< 397	582	560	584	< 393	863	823	392	< 631
Sodium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	2840	747	2670	2190	1240	491	2560	1000	< 3620	1600	2860	< 1310	1940	2850	2240	1530
Vanadium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 12:15 PM	8/27/2010 2:45 PM	8/27/2010 3:00 PM	8/27/2010 3:36 PM	8/27/2010 4:14 PM	8/27/2010 4:52 PM	8/28/2010 12:15 PM	8/28/2010 2:00 PM	8/28/2010 2:20 PM	8/28/2010 3:05 PM	8/28/2010 3:10 PM	8/28/2010 3:40 PM	8/28/2010 4:07 PM	8/28/2010 4:30 PM	8/29/2010 11:10 AM	8/29/2010 1:54 PM
	Sample	SEE082712 15PML1	SEE082714 45JRP1	SEE082715 00PML1	SEE082715 36TWH1	SEE082716 14TWH1	SEE082716 52TWH1	SEE082812 15PML1	SEB082814 00JLS1	SEE082814 20TWH1	SEE082815 05PML1	SEE082815 10TWH1	SEE082815 40JRP1	SEE082816 07TWH1	SEE082816 30RCM1	SEE082911 10PML1	SEE082913 54KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Vanadium	ug/kg	15700	5900	14900	6970	7300	10800	14000	6740	19500	14500	19400	5320	16300	15700	9290	8660
Zinc	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	336000	42700	298000	22100	148000	84700	292000	24200	298000	343000	215000	33200	363000	366000	176000	146000
PCB																	
Aroclor 1016	ug/kg	< 150	< 47	< 140	< 46	< 58	< 53	< 120	< 44	< 120	< 150	< 110	< 43	< 170	< 170	< 120	< 69
Aroclor 1221	ug/kg	< 150	< 47	< 140	< 46	< 58	< 53	< 120	< 44	< 120	< 150	< 110	< 43	< 170	< 170	< 120	< 69
Aroclor 1232	ug/kg	< 150	< 47	< 140	< 46	< 58	< 53	< 120	< 44	< 120	< 150	< 110	< 43	< 170	< 170	< 120	< 69
Aroclor 1242	ug/kg	< 150	< 47	< 140	< 46	< 58	< 53	< 120	< 44	< 120	< 150	< 110	< 43	< 170	< 170	< 120	< 69
Aroclor 1248	ug/kg	< 150	< 47	< 140	< 46	< 58	< 53	< 120	< 44	< 120	< 150	< 110	< 43	< 170	< 170	< 120	< 69
Aroclor 1254	ug/kg	< 150	< 47	< 140	< 46	80	43	< 120	< 44	98	< 150	58	< 43	< 170	< 170	< 120	< 69
Aroclor 1260	ug/kg	< 150	< 47	< 140	< 46	< 58	< 53	< 120	< 44	< 120	< 150	< 110	< 43	< 170	< 170	< 120	< 69
Polychlorinated biphenyls (PCBs), total	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
1,2-Dichlorobenzene	ug/kg	< 140	< 43	< 130	< 42	< 130	< 95	< 110	< 40	< 110	< 140	< 100	< 39	< 160	< 160	< 110	< 63
1,3-Dichlorobenzene	ug/kg	< 140	< 43	< 130	< 42	< 130	< 95	< 110	< 40	< 110	< 140	< 100	< 39	< 160	< 160	< 110	< 63
1,4-Dichlorobenzene	ug/kg	< 140	< 43	< 130	< 42	< 130	< 95	< 110	< 40	< 110	< 140	< 100	< 39	< 160	< 160	< 110	< 63
2,4,5-Trichlorophenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2,4,6-Trichlorophenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2,4-Dichlorophenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2,4-Dimethylphenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2,4-Dinitrophenol	ug/kg	< 1800	< 570	< 1700	< 560	< 1700	< 1300	< 1400	< 530	< 1400	< 1800	< 1400	< 520	< 2100	< 2100	< 1500	< 840
2,4-Dinitrotoluene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2,6-Dinitrotoluene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2-Chloronaphthalene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2-Chlorophenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2-Methyl-4,6-dinitrophenol	ug/kg	< 3700	< 1200	< 3400	< 1100	< 3600	< 2600	< 2900	< 1100	< 3000	< 3700	< 2800	< 1100	< 4300	< 4300	< 3000	< 1700
2-Methylnaphthalene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2-Methylphenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
2-Nitroaniline	ug/kg	< 1800	< 570	< 1700	< 560	< 1700	< 1300	< 1400	< 530	< 1400	< 1800	< 1400	< 520	< 2100	< 2100	< 1500	< 840
2-Nitrophenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
3- And 4- Methylphenol (Total)	ug/kg	< 1100	< 340	< 1000	< 330	< 1000	< 760	< 860	< 320	< 870	< 1100	< 810	< 310	< 1300	< 1300	< 890	< 500
3,3'-Dichlorobenzidine	ug/kg	< 4400	< 1400	< 4000	< 1300	< 4200	< 3100	< 3500	< 1300	< 3500	< 4400	< 3300	< 1300	< 5000	< 5000	< 3600	< 2000
3-Nitroaniline	ug/kg	< 1800	< 570	< 1700	< 560	< 1700	< 1300	< 1400	< 530	< 1400	< 1800	< 1400	< 520	< 2100	< 2100	< 1500	< 840
4-Bromophenyl phenylether	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
4-Chloro-3-methylphenol	ug/kg	< 610	< 190	< 560	< 190	< 590	< 430	< 480	< 180	< 490	< 620	< 460	< 180	< 700	< 710	< 500	< 280
4-Chloroaniline	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
4-Chlorophenyl phenylether	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
4-Nitroaniline	ug/kg	< 1800	< 570	< 1700	< 560	< 1700	< 1300	< 1400	< 530	< 1400	< 1800	< 1400	< 520	< 2100	< 2100	< 1500	< 840
4-Nitrophenol	ug/kg	< 1800	< 570	< 1700	< 560	< 1700	< 1300	< 1400	< 530	< 1400	< 1800	< 1400	< 520	< 2100	< 2100	< 1500	< 840
Acenaphthene	ug/kg	< 720	< 230	18	< 220	< 690	< 500	15	< 210	< 570	20	< 540	< 210	< 830	12	< 590	< 330
Acenaphthylene	ug/kg	31	< 230	62	< 220	65	22	32	< 210	24	45	20	< 210	< 830	31	< 590	15
Anthracene	ug/kg	47	7.5	100	7.2	56	26	51	< 210	29	62	27	9.4	31	42	< 590	29
Benzaldehyde	ug/kg	44	< 230	< 660	26	< 690	28	40	< 210	46	53	< 540	< 210	< 830	< 830	< 590	< 330
Benzo(a)anthracene	ug/kg	330	50	620	33	360	160	350	30	180	420	180	57	230	290	49	180

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 12:15 PM	8/27/2010 2:45 PM	8/27/2010 3:00 PM	8/27/2010 3:36 PM	8/27/2010 4:14 PM	8/27/2010 4:52 PM	8/28/2010 12:15 PM	8/28/2010 2:00 PM	8/28/2010 2:20 PM	8/28/2010 3:05 PM	8/28/2010 3:10 PM	8/28/2010 3:40 PM	8/28/2010 4:07 PM	8/28/2010 4:30 PM	8/29/2010 11:10 AM	8/29/2010 1:54 PM
	Sample	SEE082712 15PML1	SEE082714 45JRP1	SEE082715 00PML1	SEE082715 36TWH1	SEE082716 14TWH1	SEE082716 52TWH1	SEE082812 15PML1	SEB082814 00JLS1	SEE082814 20TWH1	SEE082815 05PML1	SEE082815 10TWH1	SEE082815 40JRP1	SEE082816 07TWH1	SEE082816 30RCM1	SEE082911 10PML1	SEE082913 54KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzo(a)pyrene	ug/kg	460	70	820	43	420	200	400	30	190	490	190	65	250	340	81	240
Benzo(b)fluoranthene	ug/kg	750	110	1100	50	510	310	660	44	340	870	350	83	490	640	140	340
Benzo(g,h,i)perylene	ug/kg	400	54	590	29	240	150	310	24	160	370	150	36	190	320	75	180
Benzo(k)fluoranthene	ug/kg	230	36	470	19	140	120	280	23	160	300	120	30	210	290	52	130
Biphenyl	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Bis(2-chloroethoxy) methane	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Bis(2-chloroethyl)ether	ug/kg	< 220	< 68	< 200	< 67	< 210	< 150	< 170	< 64	< 170	< 220	< 160	< 63	< 250	< 250	< 180	< 100
Bis(2-chloroisopropyl) ether	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Bis(2-ethylhexyl)phthalate	ug/kg	180	41	220	22	< 690	79	150	< 210	170	210	110	48	170	200	65	81
Butyl benzyl phthalate	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Caprolactam	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Carbazole	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Chrysene	ug/kg	470	75	780	38	330	200	450	33	240	570	210	60	340	410	87	230
Dibenzo(a,h)anthracene	ug/kg	96	12	150	7.2	61	34	80	< 210	< 570	93	49	15	< 830	84	22	46
Dibenzofuran	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Diethyl phthalate	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Dimethyl phthalate	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Di-n-butyl phthalate	ug/kg	45	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Di-n-octyl phthalate	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Fluoranthene	ug/kg	900	140	1400	60	390	370	900	55	390	1100	410	64	590	740	150	480
Fluorene	ug/kg	21	< 230	29	< 220	19	13	21	< 210	< 570	23	< 540	< 210	< 830	< 830	< 590	11
Hexachlorobenzene (C-66)	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Hexachlorobutadiene (C-46)	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Hexachlorocyclopentadiene (C-56)	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Hexachloroethane	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Indeno(1,2,3-c,d)pyrene	ug/kg	320	46	490	24	190	120	260	23	140	330	140	32	190	260	62	150
Isophorone	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Naphthalene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Nitrobenzene	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
n-Nitroso-di-n-propylamine	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
N-Nitrosodiphenylamine	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Pentachlorophenol	ug/kg	< 1800	< 550	< 1600	< 540	< 1700	< 1200	< 1400	< 510	< 1400	< 1800	< 1300	< 500	< 2000	< 2000	< 1400	< 810
Phenanthrene	ug/kg	240	41	390	19	110	110	200	14	87	260	98	28	130	150	34	150
Phenol	ug/kg	< 720	< 230	< 660	< 220	< 690	< 500	< 570	< 210	< 570	< 730	< 540	< 210	< 830	< 830	< 590	< 330
Pyrene	ug/kg	700	100	1100	51	450	310	650	49	330	780	310	60	380	540	110	360
Solids																	
Moisture, percent	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Solids	%	21.9	70.3	23.9	71.8	57.3	62.8	27.8	75.6	27.6	21.8	29.5	76.3	19.2	19	26.9	47.6
TPH																	
Diesel Range Organics (C10-C20)	ug/kg	25000	9200	29000	1700	17000	< 16000	< 36000	2800	< 36000	25000	< 34000	3300	< 52000	24000	25000	11000
Diesel Range Organics (C10-C38)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C12)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	250000	55000	200000	15000	210000	56000	120000	8900	150000	230000	120000	20000	150000	240000	190000	83000
Specific Identification of Gasoline	ug/kg	< 21000	< 9800	< 23000	< 5600	< 7400	< 6900	< 19000	< 5500	< 19000	< 25000	< 16000	< 5200	< 57000	< 28000	< 33000	< 8400
VOC																	

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 12:15 PM	8/27/2010 2:45 PM	8/27/2010 3:00 PM	8/27/2010 3:36 PM	8/27/2010 4:14 PM	8/27/2010 4:52 PM	8/28/2010 12:15 PM	8/28/2010 2:00 PM	8/28/2010 2:20 PM	8/28/2010 3:05 PM	8/28/2010 3:10 PM	8/28/2010 3:40 PM	8/28/2010 4:07 PM	8/28/2010 4:30 PM	8/29/2010 11:10 AM	8/29/2010 1:54 PM
	Sample	SEE082712 15PML1	SEE082714 45JRP1	SEE082715 00PML1	SEE082715 36TWH1	SEE082716 14TWH1	SEE082716 52TWH1	SEE082812 15PML1	SEB082814 00JLS1	SEE082814 20TWH1	SEE082815 05PML1	SEE082815 10TWH1	SEE082815 40JRP1	SEE082816 07TWH1	SEE082816 30RCM1	SEE082911 10PML1	SEE082913 54KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1,2-Tetrachloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,1,1-Trichloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,1,2,2-Tetrachloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,1,2-Trichloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,1-Dichloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,1-Dichloroethylene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,2,3-Trichloropropane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,2,4-Trichlorobenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,2,4-Trimethylbenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,2-Dichlorobenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,2-Dichloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,2-Dichloropropane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,3,5-Trimethylbenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,3-Dichlorobenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,3-Dichloropropene, cis	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,3-Dichloropropene, trans	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,4-Dichloro-2-butene, trans	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
1,4-Dichlorobenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
2-Butanone (MEK)	ug/kg	< 140	< 11	< 91	36	31	44	< 87	< 20	< 85	< 150	< 68	< 22	< 170	< 130	< 110	< 37
2-Hexanone	ug/kg	< 140	< 11	< 91	< 25	< 31	< 31	< 87	< 20	< 85	< 150	< 68	< 22	< 170	< 130	< 110	< 37
2-Methylnaphthalene	ug/kg	< 70	< 5.7	< 45	< 13	< 16	< 15	< 44	< 10	< 42	< 73	< 34	< 11	< 87	< 66	< 54	< 19
4-Methyl-2-pentanone (MIBK)	ug/kg	< 140	< 11	< 91	< 25	< 31	< 31	< 87	< 20	< 85	< 150	< 68	< 22	< 170	< 130	< 110	< 37
Acetone	ug/kg	< 140	< 11	< 91	150	110	190	160	360	310	< 150	130	< 22	260	< 130	< 110	< 37
Benzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Bromochloromethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Bromodichloromethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Bromoform	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Bromomethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Carbon disulfide	ug/kg	< 35	< 2.8	< 23	1.9	2.4	2	< 22	< 5.1	7.2	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Carbon tetrachloride	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Chlorobenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Chloroethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Chloroform	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Chloromethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
cis-1,2-Dichloroethylene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Dibromochloromethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Dibromochloropropane	ug/kg	< 70	< 5.7	< 45	< 13	< 16	< 15	< 44	< 10	< 42	< 73	< 34	< 11	< 87	< 66	< 54	< 19
Dibromomethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Dichlorodifluoromethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Diethyl ether	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Ethylbenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Ethylene dibromide	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Isopropyl benzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
m&p-Xylene	ug/kg	< 70	< 5.7	< 45	< 13	< 16	< 15	< 44	< 10	< 42	< 73	< 34	< 11	< 87	< 66	< 54	< 19

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 12:15 PM	8/27/2010 2:45 PM	8/27/2010 3:00 PM	8/27/2010 3:36 PM	8/27/2010 4:14 PM	8/27/2010 4:52 PM	8/28/2010 12:15 PM	8/28/2010 2:00 PM	8/28/2010 2:20 PM	8/28/2010 3:05 PM	8/28/2010 3:10 PM	8/28/2010 3:40 PM	8/28/2010 4:07 PM	8/28/2010 4:30 PM	8/29/2010 11:10 AM	8/29/2010 1:54 PM
	Sample	SEE082712 15PML1	SEE082714 45JRP1	SEE082715 00PML1	SEE082715 36TWH1	SEE082716 14TWH1	SEE082716 52TWH1	SEE082812 15PML1	SEB082814 00JLS1	SEE082814 20TWH1	SEE082815 05PML1	SEE082815 10TWH1	SEE082815 40JRP1	SEE082816 07TWH1	SEE082816 30RCM1	SEE082911 10PML1	SEE082913 54KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Methyl Iodide	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Methylene chloride	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Methyl-tert-butyl ether (MTBE)	ug/kg	< 140	< 11	< 91	< 25	< 31	< 31	< 87	< 20	< 85	< 150	< 68	< 22	< 170	< 130	< 110	< 37
Naphthalene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
n-Propylbenzene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
o-Xylene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Styrene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Tetrachloroethylene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Toluene	ug/kg	< 35	< 2.8	< 23	0.41	< 7.8	0.5	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	0.62
trans-1,2-Dichloroethylene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Trichloroethylene	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Trichlorofluoromethane	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Vinyl acetate	ug/kg	< 70	< 5.7	< 45	< 13	< 16	< 15	< 44	< 10	< 42	< 73	< 34	< 11	< 87	< 66	< 54	< 19
Vinyl chloride	ug/kg	< 35	< 2.8	< 23	< 6.3	< 7.8	< 7.6	< 22	< 5.1	< 21	< 37	< 17	< 5.4	< 44	< 33	< 27	< 9.3
Xylenes	ug/kg	< 70	< 5.7	< 45	< 13	< 16	< 15	< 44	< 10	< 42	< 73	< 34	< 11	< 87	< 66	< 54	< 19

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/29/2010 2:21 PM	8/29/2010 2:45 PM	8/29/2010 3:50 PM	8/30/2010 9:20 AM	8/30/2010 10:15 AM	8/30/2010 11:00 AM	8/30/2010 11:30 AM	8/30/2010 11:45 AM	8/30/2010 2:10 PM	8/30/2010 2:45 PM	8/30/2010 3:20 PM	8/30/2010 3:30 PM	8/30/2010 3:50 PM	8/30/2010 4:38 PM	8/31/2010 10:10 AM	8/31/2010 10:45 AM
	Sample	SEE082914 21KAP1	SEE082914 45PML1	SEE082915 50KAP1	SEE083009 20JRP1	SEE083010 15JRP1	SEE083011 00JRP1	SEE083011 30PML1	SEE083011 45MHS1	SEE083014 10JRP1	SEE083014 45JRP1	SEE083015 20JRP1	SEE083015 30JAW1	SEE083015 50PML1	SEE083016 38MHS1	SEE083110 10JRP1	SEE083110 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	---	---	---	60	75	26	82	78	36	75	76	75	80	79	67	78
Solids	%	---	---	---	40	25	74	18	22	64	25	24	25	20	21	33	22
Metals																	
Aluminum	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	< 1930	428	< 1570	810	1000	190	810	< 4400	< 1400	1200	650	600	750	560	350	< 4400
Arsenic	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	13200	5100	14400	14000	16000	8500	13000	11000	4500	17000	15000	17000	11000	12000	12000	11000
Barium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/kg	167000	39000	134000	260000	240000	36000	220000	200000	46000	260000	250000	180000	210000	210000	190000	210000
Beryllium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	140	< 689	96.3	610	640	250	570	480	200	660	640	540	500	490	1100	450
Cadmium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	1680	174	1330	1300	3400	130	2500	2300	330	3500	3200	2200	2400	2400	950	2000
Calcium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/kg	93800000	17900000	71700000	45000000	110000000	3900000	140000000	170000000	33000000	130000000	130000000	94000000	160000000	160000000	97000000	170000000
Chromium (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	301000	25400	73600	80000	290000	11000	110000	110000	28000	310000	280000	110000	99000	100000	76000	98000
Cobalt	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	10100	3200	6280	8000	7600	1800	6100	5400	2000	7300	7100	8800	5300	5600	5900	5000
Copper	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/kg	88900	6280	36300	32000	100000	3700	55000	48000	8200	110000	100000	46000	49000	49000	41000	45000
Iron	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/kg	21300000	12300000	25900000	42000000	32000000	14000000	31000000	25000000	7100000	32000000	32000000	36000000	27000000	26000000	29000000	23000000
Lead	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/kg	118000	11100	53400	44000	130000	6000	71000	64000	15000	130000	120000	66000	65000	65000	38000	59000
Magnesium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/kg	5330000	1730000	5150000	4000000	6500000	720000	5900000	5200000	1100000	6200000	6000000	6600000	5500000	5300000	2600000	5100000
Manganese	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	631000	695000	987000	2300000	1100000	140000	1300000	1000000	170000	1100000	1300000	1300000	1100000	1200000	480000	1000000
Mercury (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	588	35.3	250	230	540	29	360	290	43	580	470	290	270	320	180	240
Molybdenum	ug/kg	532	< 6890	< 10500	1700	< 1800	710	380	840	< 710	1900	< 2100	490	850	650	1000	1100
Nickel	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	117000	10000	24600	29000	70000	4400	25000	24000	19000	66000	60000	32000	22000	26000	27000	25000
Potassium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	838	< 861	634	1100	1000	250	920	830	< 710	1100	1000	1100	600	1100	1200	< 2200
Silver	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/kg	1530	< 517	448	770	2600	66	1300	1000	190	3200	2800	830	1300	1200	710	960
Sodium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	1720	1370	2130	< 1200	< 1800	< 650	< 2600	< 2200	< 710	< 1900	< 2100	< 1800	< 2400	< 2300	< 1400	< 2200
Vanadium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/29/2010 2:21 PM	8/29/2010 2:45 PM	8/29/2010 3:50 PM	8/30/2010 9:20 AM	8/30/2010 10:15 AM	8/30/2010 11:00 AM	8/30/2010 11:30 AM	8/30/2010 11:45 AM	8/30/2010 2:10 PM	8/30/2010 2:45 PM	8/30/2010 3:20 PM	8/30/2010 3:30 PM	8/30/2010 3:50 PM	8/30/2010 4:38 PM	8/31/2010 10:10 AM	8/31/2010 10:45 AM
	Sample	SEE082914 21KAP1	SEE082914 45PML1	SEE082915 50KAP1	SEE083009 20JRP1	SEE083010 15JRP1	SEE083011 00JRP1	SEE083011 30PML1	SEE083011 45MHS1	SEE083014 10JRP1	SEE083014 45JRP1	SEE083015 20JRP1	SEE083015 30JAW1	SEE083015 50PML1	SEE083016 38MHS1	SEE083110 10JRP1	SEE083110 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Vanadium	ug/kg	12900	5170	12700	22000	18000	9800	16000	13000	5200	19000	18000	16000	14000	14000	15000	12000
Zinc	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	526000	79000	241000	180000	450000	34000	270000	230000	61000	490000	470000	280000	240000	240000	140000	220000
PCB																	
Aroclor 1016	ug/kg	< 110	< 57	< 86	< 41	< 64	< 22	< 90	< 75	< 25	< 64	< 140	< 63	< 83	< 79	< 97	< 73
Aroclor 1221	ug/kg	< 110	< 57	< 86	< 41	< 64	< 22	< 90	< 75	< 25	< 64	< 140	< 63	< 83	< 79	< 97	< 73
Aroclor 1232	ug/kg	< 110	< 57	< 86	< 41	< 64	< 22	< 90	< 75	< 25	< 64	< 140	< 63	< 83	< 79	< 97	< 73
Aroclor 1242	ug/kg	< 110	< 57	< 86	< 41	< 64	< 22	< 90	< 75	< 25	< 64	< 140	< 63	< 83	< 79	< 97	< 73
Aroclor 1248	ug/kg	< 110	< 57	< 86	< 41	< 64	< 22	< 90	< 75	< 25	< 64	< 140	< 63	< 83	< 79	< 97	< 73
Aroclor 1254	ug/kg	250	< 57	75	270	960	< 22	230	210	130	1100	2000	170	290	290	1400	120
Aroclor 1260	ug/kg	< 110	< 57	< 86	< 41	< 64	< 22	< 90	< 75	< 25	< 64	< 140	< 63	< 83	< 79	< 97	< 73
Polychlorinated biphenyls (PCBs), total	ug/kg	---	---	---	270	960	< 22	230	210	130	1100	2000	170	290	290	1400	120
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
1,2-Dichlorobenzene	ug/kg	< 97	< 52	< 78	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
1,3-Dichlorobenzene	ug/kg	< 97	< 52	< 78	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
1,4-Dichlorobenzene	ug/kg	< 97	< 52	< 78	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2,4,5-Trichlorophenol	ug/kg	< 510	< 270	< 410	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
2,4,6-Trichlorophenol	ug/kg	< 510	< 270	< 410	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
2,4-Dichlorophenol	ug/kg	< 510	< 270	< 410	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
2,4-Dimethylphenol	ug/kg	< 510	< 270	< 410	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
2,4-Dinitrophenol	ug/kg	< 1300	< 690	< 1000	< 1700	< 2500	< 890	< 3700	< 3100	< 1000	< 2600	< 2800	< 2500	< 3200	< 3200	< 1900	< 3000
2,4-Dinitrotoluene	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2,6-Dinitrotoluene	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2-Chloronaphthalene	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2-Chlorophenol	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2-Methyl-4,6-dinitrophenol	ug/kg	< 2600	< 1400	< 2100	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
2-Methylnaphthalene	ug/kg	< 510	< 270	11	< 410	51	< 220	< 910	< 770	< 260	51	< 690	< 620	< 790	< 800	54	< 740
2-Methylphenol	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2-Nitroaniline	ug/kg	< 1300	< 690	< 1000	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
2-Nitrophenol	ug/kg	< 510	< 270	< 410	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
3- And 4- Methylphenol (Total)	ug/kg	< 770	< 410	< 630	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
3,3'-Dichlorobenzidine	ug/kg	< 3100	< 1700	< 2500	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
3-Nitroaniline	ug/kg	< 1300	< 690	< 1000	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
4-Bromophenyl phenylether	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
4-Chloro-3-methylphenol	ug/kg	< 430	< 230	< 350	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
4-Chloroaniline	ug/kg	< 510	< 270	< 410	< 1700	< 2500	< 890	< 3700	< 3100	< 1000	< 2600	< 2800	< 2500	< 3200	< 3200	< 1900	< 3000
4-Chlorophenyl phenylether	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
4-Nitroaniline	ug/kg	< 1300	< 690	< 1000	< 810	< 1200	< 440	< 1800	< 1500	< 510	< 1300	< 1400	< 1200	< 1600	< 1600	< 940	< 1500
4-Nitrophenol	ug/kg	< 1300	< 690	< 1000	< 1700	< 2500	< 890	< 3700	< 3100	< 1000	< 2600	< 2800	< 2500	< 3200	< 3200	< 1900	< 3000
Acenaphthene	ug/kg	< 510	< 270	15	< 81	35	< 44	< 180	< 150	< 51	< 130	< 140	32	< 160	< 160	< 94	< 150
Acenaphthylene	ug/kg	32	12	45	37	56	< 44	43	44	< 51	44	50	70	< 160	< 160	20	< 150
Anthracene	ug/kg	35	26	62	60	91	< 44	63	64	< 51	68	80	130	53	65	31	47
Benzaldehyde	ug/kg	27	< 270	45	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	ug/kg	200	89	390	340	560	17	450	390	29	410	450	760	300	400	110	290

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/29/2010 2:21 PM	8/29/2010 2:45 PM	8/29/2010 3:50 PM	8/30/2010 9:20 AM	8/30/2010 10:15 AM	8/30/2010 11:00 AM	8/30/2010 11:30 AM	8/30/2010 11:45 AM	8/30/2010 2:10 PM	8/30/2010 2:45 PM	8/30/2010 3:20 PM	8/30/2010 3:30 PM	8/30/2010 3:50 PM	8/30/2010 4:38 PM	8/31/2010 10:10 AM	8/31/2010 10:45 AM
	Sample	SEE082914 21KAP1	SEE082914 45PML1	SEE082915 50KAP1	SEE083009 20JRP1	SEE083010 15JRP1	SEE083011 00JRP1	SEE083011 30PML1	SEE083011 45MHS1	SEE083014 10JRP1	SEE083014 45JRP1	SEE083015 20JRP1	SEE083015 30JAW1	SEE083015 50PML1	SEE083016 38MHS1	SEE083110 10JRP1	SEE083110 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzo(a)pyrene	ug/kg	260	100	500	440	750	< 44	620	620	34	530	590	970	410	620	110	440
Benzo(b)fluoranthene	ug/kg	340	160	680	580	1000	30	960	980	66	830	960	1400	660	950	220	670
Benzo(g,h,i)perylene	ug/kg	160	73	320	360	630	22	590	660	32	470	560	820	430	640	91	430
Benzo(k)fluoranthene	ug/kg	130	58	260	230	490	18	440	520	33	370	410	540	310	500	76	360
Biphenyl	ug/kg	< 510	< 270	< 410	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy) methane	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Bis(2-chloroethyl)ether	ug/kg	< 150	< 83	< 130	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Bis(2-chloroisopropyl) ether	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Bis(2-ethylhexyl)phthalate	ug/kg	150	28	200	< 410	960	< 220	< 910	< 770	< 260	760	730	< 620	< 790	< 800	530	< 740
Butyl benzyl phthalate	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Caprolactam	ug/kg	< 510	< 270	< 410	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Chrysene	ug/kg	230	110	490	450	760	22	640	660	40	580	630	990	460	660	210	460
Dibenzo(a,h)anthracene	ug/kg	43	20	82	90	130	< 44	140	< 150	15	130	< 140	170	81	120	< 94	97
Dibenzofuran	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Diethyl phthalate	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Dimethyl phthalate	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Di-n-butyl phthalate	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	110	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Di-n-octyl phthalate	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Fluoranthene	ug/kg	350	230	740	890	1500	39	1300	1300	88	1100	1200	1900	810	1200	420	780
Fluorene	ug/kg	13	13	25	38	69	< 44	54	47	< 51	50	50	72	35	60	31	< 150
Hexachlorobenzene (C-66)	ug/kg	< 510	< 270	< 410	< 170	< 250	< 89	< 370	< 310	< 100	< 260	< 280	< 250	< 320	< 320	< 190	< 300
Hexachlorobutadiene (C-46)	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Hexachlorocyclopentadiene (C-56)	ug/kg	< 510	< 270	< 410	< 1700	< 2500	< 890	< 3700	< 3100	< 1000	< 2600	< 2800	< 2500	< 3200	< 3200	< 1900	< 3000
Hexachloroethane	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Indeno(1,2,3-c,d)pyrene	ug/kg	140	65	270	280	520	22	480	560	29	380	480	720	320	520	62	360
Isophorone	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Naphthalene	ug/kg	< 510	< 270	< 410	18	48	< 44	< 180	32	< 51	42	46	33	< 160	38	46	31
Nitrobenzene	ug/kg	< 510	< 270	< 410	< 81	< 120	< 44	< 180	< 150	< 51	< 130	< 140	< 120	< 160	< 160	< 94	< 150
n-Nitroso-di-n-propylamine	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
N-Nitrosodiphenylamine	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Pentachlorophenol	ug/kg	< 1200	< 660	< 1000	< 1700	< 2500	< 890	< 3700	< 3100	< 1000	< 2600	< 2800	< 2500	< 3200	< 3200	< 1900	< 3000
Phenanthrene	ug/kg	110	98	230	250	410	< 44	300	280	17	280	290	580	200	280	150	200
Phenol	ug/kg	< 510	< 270	< 410	< 410	< 630	< 220	< 910	< 770	< 260	< 660	< 690	< 620	< 790	< 800	< 470	< 740
Pyrene	ug/kg	340	170	630	660	1200	30	970	940	71	860	950	1500	630	980	340	670
Solids																	
Moisture, percent	%	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Solids	%	31.1	58	38.3	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	ug/kg	29000	8000	20000	85000	410000	45000	150000	180000	41000	< 320000	280000	170000	170000	130000	130000	< 380000
Diesel Range Organics (C10-C38)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C12)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	240000	50000	240000	680000	3700000	260000	1200000	1500000	280000	2700000	2600000	1300000	1300000	940000	810000	1700000
Specific Identification of Gasoline	ug/kg	< 13000	< 9000	< 13000	< 11000	< 15000	< 3000	< 21000	< 17000	< 3900	< 12000	< 12000	< 6200	< 18000	< 12000	< 10000	< 14000
VOC																	

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/29/2010 2:21 PM	8/29/2010 2:45 PM	8/29/2010 3:50 PM	8/30/2010 9:20 AM	8/30/2010 10:15 AM	8/30/2010 11:00 AM	8/30/2010 11:30 AM	8/30/2010 11:45 AM	8/30/2010 2:10 PM	8/30/2010 2:45 PM	8/30/2010 3:20 PM	8/30/2010 3:30 PM	8/30/2010 3:50 PM	8/30/2010 4:38 PM	8/31/2010 10:10 AM	8/31/2010 10:45 AM
	Sample	SEE082914 21KAP1	SEE082914 45PML1	SEE082915 50KAP1	SEE083009 20JRP1	SEE083010 15JRP1	SEE083011 00JRP1	SEE083011 30PML1	SEE083011 45MHS1	SEE083014 10JRP1	SEE083014 45JRP1	SEE083015 20JRP1	SEE083015 30JAW1	SEE083015 50PML1	SEE083016 38MHS1	SEE083110 10JRP1	SEE083110 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,1,1,2-Tetrachloroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,1,1-Trichloroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,1,2,2-Tetrachloroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,1,2-Trichloroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,1-Dichloroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,1-Dichloroethylene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,2,3-Trichloropropane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,2,4-Trichlorobenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,2,4-Trimethylbenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,2-Dichlorobenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,2-Dichloroethane	ug/kg	< 20	< 10	1.6	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,2-Dichloropropane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,3,5-Trimethylbenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,3-Dichlorobenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,3-Dichloropropene, cis	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,3-Dichloropropene, trans	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
1,4-Dichloro-2-butene, trans	ug/kg	< 20	< 10	< 15	< 28	< 57	< 11	< 81	< 63	< 14	< 49	< 43	< 30	< 69	< 52	< 35	< 77
1,4-Dichlorobenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
2-Butanone (MEK)	ug/kg	91	< 42	< 61	44	170	7.3	< 41	< 31	< 7	53	54	< 15	< 34	< 26	< 18	< 39
2-Hexanone	ug/kg	< 81	< 42	< 61	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
2-Methylnaphthalene	ug/kg	< 40	< 21	< 31	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
4-Methyl-2-pentanone (MIBK)	ug/kg	< 81	< 42	< 61	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Acetone	ug/kg	310	< 42	220	190	720	54	< 41	< 31	24	260	300	< 15	160	14	< 18	< 39
Benzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Bromochloromethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Bromodichloromethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Bromoform	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Bromomethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Carbon disulfide	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Carbon tetrachloride	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Chlorobenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Chloroethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Chloroform	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Chloromethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
cis-1,2-Dichloroethylene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Dibromochloromethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Dibromochloropropane	ug/kg	< 40	< 21	< 31	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Dibromomethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Dichlorodifluoromethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Diethyl ether	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Ethylbenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Ethylene dibromide	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Isopropyl benzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
m&p-Xylene	ug/kg	< 40	< 21	< 31	< 28	< 57	< 11	< 81	< 63	< 14	< 49	< 43	< 30	< 69	< 52	< 35	< 77

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/29/2010 2:21 PM	8/29/2010 2:45 PM	8/29/2010 3:50 PM	8/30/2010 9:20 AM	8/30/2010 10:15 AM	8/30/2010 11:00 AM	8/30/2010 11:30 AM	8/30/2010 11:45 AM	8/30/2010 2:10 PM	8/30/2010 2:45 PM	8/30/2010 3:20 PM	8/30/2010 3:30 PM	8/30/2010 3:50 PM	8/30/2010 4:38 PM	8/31/2010 10:10 AM	8/31/2010 10:45 AM
	Sample	SEE082914 21KAP1	SEE082914 45PML1	SEE082915 50KAP1	SEE083009 20JRP1	SEE083010 15JRP1	SEE083011 00JRP1	SEE083011 30PML1	SEE083011 45MHS1	SEE083014 10JRP1	SEE083014 45JRP1	SEE083015 20JRP1	SEE083015 30JAW1	SEE083015 50PML1	SEE083016 38MHS1	SEE083110 10JRP1	SEE083110 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Methyl Iodide	ug/kg	< 20	< 10	< 15	< 28	< 57	< 11	< 81	< 63	< 14	< 49	< 43	< 30	< 69	< 52	< 35	< 77
Methylene chloride	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Methyl-tert-butyl ether (MTBE)	ug/kg	< 81	< 42	< 61	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Naphthalene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
n-Propylbenzene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
o-Xylene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Styrene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Tetrachloroethylene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Toluene	ug/kg	1.7	< 10	1.1	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
trans-1,2-Dichloroethylene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Trichloroethylene	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Trichlorofluoromethane	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Vinyl acetate	ug/kg	< 40	< 21	< 31	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Vinyl chloride	ug/kg	< 20	< 10	< 15	< 14	< 28	< 5.3	< 41	< 31	< 7	< 25	< 21	< 15	< 34	< 26	< 18	< 39
Xylenes	ug/kg	< 40	< 21	< 31	< 28	< 57	< 11	< 81	< 63	< 14	< 49	< 43	< 30	< 69	< 52	< 35	< 77

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 1:48 PM	8/31/2010 2:20 PM
	Sample	SEE083113 48MHS1	SEE083114 20PML1
Analyte	Units	Result	Result
(None)			
Moisture, percent	%	65	81
Solids	%	35	19
Metals			
Aluminum	mg/kg	---	---
Antimony	mg/kg	---	---
Antimony	ug/kg	< 2900	< 4900
Arsenic	mg/kg	---	---
Arsenic	ug/kg	7200	9500
Barium	mg/kg	---	---
Barium	ug/kg	130000	210000
Beryllium	mg/kg	---	---
Beryllium	ug/kg	280	460
Cadmium	mg/kg	---	---
Cadmium	ug/kg	800	1900
Calcium	mg/kg	---	---
Calcium	ug/kg	130000000	180000000
Chromium (Total)	mg/kg	---	---
Chromium (Total)	ug/kg	41000	80000
Cobalt	mg/kg	---	---
Cobalt	ug/kg	3200	4700
Copper	mg/kg	---	---
Copper	ug/kg	19000	42000
Iron	mg/kg	---	---
Iron	ug/kg	12000000	23000000
Lead	mg/kg	---	---
Lead	ug/kg	27000	54000
Magnesium	mg/kg	---	---
Magnesium	ug/kg	3100000	5400000
Manganese	mg/kg	---	---
Manganese	ug/kg	580000	1100000
Mercury (Total)	mg/kg	---	---
Mercury (Total)	ug/kg	91	260
Molybdenum	ug/kg	510	780
Nickel	mg/kg	---	---
Nickel	ug/kg	18000	20000
Potassium	mg/kg	---	---
Selenium	mg/kg	---	---
Selenium	ug/kg	410	< 2400
Silver	mg/kg	---	---
Silver	ug/kg	380	980
Sodium	mg/kg	---	---
Thallium	mg/kg	---	---
Thallium	ug/kg	< 1400	< 2400
Vanadium	mg/kg	---	---

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 1:48 PM	8/31/2010 2:20 PM
	Sample	SEE083113 48MHS1	SEE083114 20PML1
Analyte	Units	Result	Result
Vanadium	ug/kg	7100	13000
Zinc	mg/kg	---	---
Zinc	ug/kg	100000	200000
PCB			
Aroclor 1016	ug/kg	< 47	< 85
Aroclor 1221	ug/kg	< 47	< 85
Aroclor 1232	ug/kg	< 47	< 85
Aroclor 1242	ug/kg	< 47	< 85
Aroclor 1248	ug/kg	< 47	< 85
Aroclor 1254	ug/kg	140	210
Aroclor 1260	ug/kg	< 47	< 85
Polychlorinated biphenyls (PCBs), total	ug/kg	140	210
PNA			
1,2,4-Trichlorobenzene	ug/kg	< 470	< 850
1,2-Dichlorobenzene	ug/kg	< 470	< 850
1,3-Dichlorobenzene	ug/kg	< 470	< 850
1,4-Dichlorobenzene	ug/kg	< 470	< 850
2,4,5-Trichlorophenol	ug/kg	< 930	< 1700
2,4,6-Trichlorophenol	ug/kg	< 930	< 1700
2,4-Dichlorophenol	ug/kg	< 930	< 1700
2,4-Dimethylphenol	ug/kg	< 930	< 1700
2,4-Dinitrophenol	ug/kg	< 1900	< 3400
2,4-Dinitrotoluene	ug/kg	< 470	< 850
2,6-Dinitrotoluene	ug/kg	< 470	< 850
2-Chloronaphthalene	ug/kg	< 470	< 850
2-Chlorophenol	ug/kg	< 470	< 850
2-Methyl-4,6-dinitrophenol	ug/kg	< 930	< 1700
2-Methylnaphthalene	ug/kg	< 470	< 850
2-Methylphenol	ug/kg	< 470	< 850
2-Nitroaniline	ug/kg	< 470	< 850
2-Nitrophenol	ug/kg	< 930	< 1700
3- And 4- Methylphenol (Total)	ug/kg	< 470	< 850
3,3'-Dichlorobenzidine	ug/kg	< 470	< 850
3-Nitroaniline	ug/kg	< 930	< 1700
4-Bromophenyl phenylether	ug/kg	< 470	< 850
4-Chloro-3-methylphenol	ug/kg	< 930	< 1700
4-Chloroaniline	ug/kg	< 1900	< 3400
4-Chlorophenyl phenylether	ug/kg	< 470	< 850
4-Nitroaniline	ug/kg	< 930	< 1700
4-Nitrophenol	ug/kg	< 1900	< 3400
Acenaphthene	ug/kg	< 93	< 170
Acenaphthylene	ug/kg	< 93	< 170
Anthracene	ug/kg	20	45
Benzaldehyde	ug/kg	---	---
Benzo(a)anthracene	ug/kg	120	280

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 1:48 PM	8/31/2010 2:20 PM
	Sample	SEE083113 48MHS1	SEE083114 20PML1
Analyte	Units	Result	Result
Benzo(a)pyrene	ug/kg	170	430
Benzo(b)fluoranthene	ug/kg	280	740
Benzo(g,h,i)perylene	ug/kg	170	450
Benzo(k)fluoranthene	ug/kg	110	270
Biphenyl	ug/kg	---	---
Bis(2-chloroethoxy) methane	ug/kg	< 470	< 850
Bis(2-chloroethyl)ether	ug/kg	< 470	< 850
Bis(2-chloroisopropyl) ether	ug/kg	< 470	< 850
Bis(2-ethylhexyl)phthalate	ug/kg	< 470	< 850
Butyl benzyl phthalate	ug/kg	< 470	< 850
Caprolactam	ug/kg	---	---
Carbazole	ug/kg	< 470	< 850
Chrysene	ug/kg	180	480
Dibenzo(a,h)anthracene	ug/kg	37	96
Dibenzofuran	ug/kg	< 470	< 850
Diethyl phthalate	ug/kg	< 470	< 850
Dimethyl phthalate	ug/kg	< 470	< 850
Di-n-butyl phthalate	ug/kg	< 470	< 850
Di-n-octyl phthalate	ug/kg	< 470	< 850
Fluoranthene	ug/kg	330	830
Fluorene	ug/kg	< 93	< 170
Hexachlorobenzene (C-66)	ug/kg	< 190	< 340
Hexachlorobutadiene (C-46)	ug/kg	< 470	< 850
Hexachlorocyclopentadiene (C-56)	ug/kg	< 1900	< 3400
Hexachloroethane	ug/kg	< 470	< 850
Indeno(1,2,3-c,d)pyrene	ug/kg	140	330
Isophorone	ug/kg	< 470	< 850
Naphthalene	ug/kg	< 93	< 170
Nitrobenzene	ug/kg	< 93	< 170
n-Nitroso-di-n-propylamine	ug/kg	< 470	< 850
N-Nitrosodiphenylamine	ug/kg	< 470	< 850
Pentachlorophenol	ug/kg	< 1900	< 3400
Phenanthrene	ug/kg	84	220
Phenol	ug/kg	< 470	< 850
Pyrene	ug/kg	250	630
Solids			
Moisture, percent	%	---	---
Solids	%	---	---
TPH			
Diesel Range Organics (C10-C20)	ug/kg	260000	160000
Diesel Range Organics (C10-C38)	mg/kg	---	---
Gasoline Range Organics (C5-C12)	ug/kg	---	---
Oil Range Organics (C20-C34)	ug/kg	1000000	1100000
Specific Identification of Gasoline	ug/kg	< 4800	< 19000
VOC			

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 1:48 PM	8/31/2010 2:20 PM
	Sample	SEE083113 48MHS1	SEE083114 20PML1
Analyte	Units	Result	Result
1,1,1,2-Tetrachloroethane	ug/kg	< 14	< 35
1,1,1-Trichloroethane	ug/kg	< 14	< 35
1,1,2,2-Tetrachloroethane	ug/kg	< 14	< 35
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 14	< 35
1,1,2-Trichloroethane	ug/kg	< 14	< 35
1,1-Dichloroethane	ug/kg	< 14	< 35
1,1-Dichloroethylene	ug/kg	< 14	< 35
1,2,3-Trichloropropane	ug/kg	< 14	< 35
1,2,4-Trichlorobenzene	ug/kg	< 14	< 35
1,2,4-Trimethylbenzene	ug/kg	< 14	< 35
1,2-Dichlorobenzene	ug/kg	< 14	< 35
1,2-Dichloroethane	ug/kg	< 14	< 35
1,2-Dichloropropane	ug/kg	< 14	< 35
1,3,5-Trimethylbenzene	ug/kg	< 14	< 35
1,3-Dichlorobenzene	ug/kg	< 14	< 35
1,3-Dichloropropene, cis	ug/kg	< 14	< 35
1,3-Dichloropropene, trans	ug/kg	< 14	< 35
1,4-Dichloro-2-butene, trans	ug/kg	< 29	< 70
1,4-Dichlorobenzene	ug/kg	< 14	< 35
2-Butanone (MEK)	ug/kg	< 14	< 35
2-Hexanone	ug/kg	< 14	< 35
2-Methylnaphthalene	ug/kg	< 14	< 35
4-Methyl-2-pentanone (MIBK)	ug/kg	< 14	< 35
Acetone	ug/kg	< 14	35
Benzene	ug/kg	< 14	< 35
Bromochloromethane	ug/kg	< 14	< 35
Bromodichloromethane	ug/kg	< 14	< 35
Bromoform	ug/kg	< 14	< 35
Bromomethane	ug/kg	< 14	< 35
Carbon disulfide	ug/kg	< 14	< 35
Carbon tetrachloride	ug/kg	< 14	< 35
Chlorobenzene	ug/kg	< 14	< 35
Chloroethane	ug/kg	< 14	< 35
Chloroform	ug/kg	< 14	< 35
Chloromethane	ug/kg	< 14	< 35
cis-1,2-Dichloroethylene	ug/kg	< 14	< 35
Dibromochloromethane	ug/kg	< 14	< 35
Dibromochloropropane	ug/kg	< 14	< 35
Dibromomethane	ug/kg	< 14	< 35
Dichlorodifluoromethane	ug/kg	< 14	< 35
Diethyl ether	ug/kg	< 14	< 35
Ethylbenzene	ug/kg	< 14	< 35
Ethylene dibromide	ug/kg	< 14	< 35
Isopropyl benzene	ug/kg	< 14	< 35
m&p-Xylene	ug/kg	< 29	< 70

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 1:48 PM	8/31/2010 2:20 PM
	Sample	SEE083113 48MHS1	SEE083114 20PML1
Analyte	Units	Result	Result
Methyl iodide	ug/kg	< 29	< 70
Methylene chloride	ug/kg	< 14	< 35
Methyl-tert-butyl ether (MTBE)	ug/kg	< 14	< 35
Naphthalene	ug/kg	< 14	< 35
n-Propylbenzene	ug/kg	< 14	< 35
o-Xylene	ug/kg	< 14	< 35
Styrene	ug/kg	< 14	< 35
Tetrachloroethylene	ug/kg	< 14	< 35
Toluene	ug/kg	< 14	< 35
trans-1,2-Dichloroethylene	ug/kg	< 14	< 35
Trichloroethylene	ug/kg	< 14	< 35
Trichlorofluoromethane	ug/kg	< 14	< 35
Vinyl acetate	ug/kg	< 14	< 35
Vinyl chloride	ug/kg	< 14	< 35
Xylenes	ug/kg	< 29	< 70

Table 3-a. Morrow Lake Sediment Analytical Results July-August 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	9/9/2010 10	9/9/2010 10	9/9/2010 10	9/1/2010 10:50 AM	9/1/2010 11:43 AM	9/1/2010 11:45 AM	9/1/2010 12:55 PM	9/1/2010 3:15 PM	9/1/2010 3:45 PM	9/1/2010 3:45 PM	9/1/2010 4:35 PM	9/2/2010 10:10 AM	9/2/2010 2:00 PM
	Sample			SOTF-E-Q-37.79-R01-1.1-2.0	SOTF-E-Q-37.79-R01-0.6-1.1	SOTF-E-Q-37.79-R01-0.0-0.6	SEE090110 50PML1	SEB090111 43JLS1	SEE090111 45PML1	SEE090112 55PML1	SEE090115 15JAW1	SEE090115 45PML1	SEE090115 45MHS1	SEE090116 35PML1	SEE090210 10PML1	SEE090214 00PML1
Analyte	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																
Moisture, percent	%	NCE	NCE	---	---	---	78	26	73	76	23	81	81	73	79	82
Solids	%	NCE	NCE	---	---	---	22	74	27	24	77	19	19	27	21	18
Metals																
Antimony	ug/kg	NCE	NCE	---	---	---	< 4400	< 6600	< 3400	720	< 1200	< 5100	750	< 3600	< 4600	680
Arsenic	ug/kg	33000	9790	---	---	---	16000	6900	16000	20000	1900	19000	15000	20000	11000	12000
Barium	ug/kg	NCE	NCE	---	---	---	200000	51000	160000	170000	11000	190000	220000	160000	210000	220000
Beryllium	ug/kg	NCE	NCE	---	---	---	570	89	480	470	120	550	620	440	470	540
Cadmium	ug/kg	4980	990	---	---	---	2500	150	1900	2000	62	2400	2900	1700	2200	2400
Calcium	ug/kg	NCE	NCE	---	---	---	100000000	180000000	85000000	81000000	2700000	110000000	120000000	75000000	150000000	130000000
Chromium (Total)	ug/kg	NCE	43400	---	---	---	100000	3800	92000	70000	7900	92000	130000	62000	100000	110000
Cobalt	ug/kg	NCE	50000	---	---	---	7500	1500	7400	7600	1600	7700	7500	7600	5500	5800
Copper	ug/kg	149000	31600	---	---	---	51000	< 3300	39000	38000	3600	47000	62000	31000	48000	55000
Iron	ug/kg	NCE	NCE	---	---	---	37000000	10000000	33000000	36000000	5000000	36000000	35000000	34000000	26000000	31000000
Lead	ug/kg	128000	35800	---	---	---	69000	1700	54000	56000	3500	68000	84000	48000	61000	69000
Magnesium	ug/kg	NCE	NCE	---	---	---	7000000	12000000	5900000	6100000	900000	7400000	6800000	5800000	5300000	5900000
Manganese	ug/kg	NCE	NCE	---	---	---	1300000	870000	1300000	1400000	78000	1400000	1400000	1500000	1200000	1300000
Mercury (Total)	ug/kg	1060	174	---	---	---	350	< 20	290	1000	< 21	290	370	220	300	260
Molybdenum	ug/kg	NCE	NCE	---	---	---	1100	430	620	1100	230	720	1300	460	< 2300	< 2500
Nickel	ug/kg	48600	22700	---	---	---	27000	3600	26000	20000	4800	26000	35000	20000	26000	24000
Selenium	ug/kg	NCE	NCE	---	---	---	1200	< 3300	970	950	< 580	1300	1200	930	1000	1400
Silver	ug/kg	NCE	500	---	---	---	740	< 1600	560	510	54	770	1300	490	1100	1200
Thallium	ug/kg	NCE	NCE	---	---	---	< 2200	< 3300	< 1700	< 1900	< 580	< 2500	< 2400	< 1800	< 2300	< 2500
Vanadium	ug/kg	NCE	NCE	---	---	---	17000	4800	15000	15000	5200	17000	18000	14000	14000	16000
Zinc	ug/kg	459000	121000	---	---	---	280000	11000	240000	240000	21000	270000	320000	210000	240000	270000
PCB																
Aroclor 1016	ug/kg	NCE	NCE	---	---	---	< 73	< 22	< 59	< 68	< 21	< 87	< 87	< 60	< 80	< 94
Aroclor 1221	ug/kg	NCE	NCE	---	---	---	< 73	< 22	< 59	< 68	< 21	< 87	< 87	< 60	< 80	< 94
Aroclor 1232	ug/kg	NCE	NCE	---	---	---	< 73	< 22	< 59	< 68	< 21	< 87	< 87	< 60	< 80	< 94
Aroclor 1242	ug/kg	NCE	NCE	---	---	---	< 73	< 22	< 59	< 68	< 21	< 87	< 87	< 60	< 80	< 94
Aroclor 1248	ug/kg	NCE	NCE	---	---	---	< 73	< 22	< 59	< 68	< 21	< 87	< 87	< 60	< 80	< 94
Aroclor 1254	ug/kg	NCE	NCE	---	---	---	320	< 22	110	79	26	170	290	190	280	720
Aroclor 1260	ug/kg	NCE	NCE	---	---	---	< 73	< 22	< 59	< 68	< 21	< 87	< 87	< 60	< 80	< 94
Polychlorinated biphenyls (PCBs), total	ug/kg	NCE	NCE	---	---	---	320	< 22	110	79	26	170	290	190	280	720
PNA																
1,2,4-Trichlorobenzene	ug/kg	NCE	5062	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
1,2-Dichlorobenzene	ug/kg	NCE	294	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
1,3-Dichlorobenzene	ug/kg	NCE	1315	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
1,4-Dichlorobenzene	ug/kg	NCE	318	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2,4,5-Trichlorophenol	ug/kg	NCE	NCE	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
2,4,6-Trichlorophenol	ug/kg	NCE	208	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
2,4-Dichlorophenol	ug/kg	NCE	81.7	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
2,4-Dimethylphenol	ug/kg	NCE	304	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
2,4-Dinitrophenol	ug/kg	NCE	6.21	---	---	---	< 2900	< 860	< 2400	< 2700	< 820	< 3500	< 3400	< 12000	< 3200	< 3700

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	9/9/2010 10	9/9/2010 10	9/9/2010 10	9/1/2010 10:50 AM	9/1/2010 11:43 AM	9/1/2010 11:45 AM	9/1/2010 12:55 PM	9/1/2010 3:15 PM	9/1/2010 3:45 PM	9/1/2010 3:45 PM	9/1/2010 4:35 PM	9/2/2010 10:10 AM	9/2/2010 2:00 PM
	Sample			SOTF-E-Q-37.79-R01-1.1-2.0	SOTF-E-Q-37.79-R01-0.6-1.1	SOTF-E-Q-37.79-R01-0.0-0.6	SEE090110 50PML1	SEB090111 43JLS1	SEE090111 45PML1	SEE090112 55PML1	SEE090115 15JAW1	SEE090115 45PML1	SEE090115 45MHS1	SEE090116 35PML1	SEE090210 10PML1	SEE090214 00PML1
Analyte	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	NCE	14.4	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2,6-Dinitrotoluene	ug/kg	NCE	39.8	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2-Chloronaphthalene	ug/kg	NCE	417	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2-Chlorophenol	ug/kg	NCE	31.9	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2-Methyl-4,6-dinitrophenol	ug/kg	NCE	104	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
2-Methylnaphthalene	ug/kg	NCE	20.2	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2-Methylphenol	ug/kg	NCE	55.4	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2-Nitroaniline	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
2-Nitrophenol	ug/kg	NCE	NCE	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
3- And 4- Methylphenol (Total)	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
3,3'-Dichlorobenzidine	ug/kg	NCE	127	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
3-Nitroaniline	ug/kg	NCE	NCE	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
4-Bromophenyl phenylether	ug/kg	NCE	1550	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
4-Chloro-3-methylphenol	ug/kg	NCE	388	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
4-Chloroaniline	ug/kg	NCE	146	---	---	---	< 2900	< 860	< 2400	< 2700	< 820	< 3500	< 3400	< 12000	< 3200	< 3700
4-Chlorophenyl phenylether	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
4-Nitroaniline	ug/kg	NCE	NCE	---	---	---	< 1400	< 420	< 1200	< 1300	< 400	< 1700	< 1700	< 6000	< 1600	< 1800
4-Nitrophenol	ug/kg	NCE	13.3	---	---	---	< 2900	< 860	< 2400	< 2700	< 820	< 3500	< 3400	< 12000	< 3200	< 3700
Acenaphthene	ug/kg	NCE	6.71	---	---	---	31	< 42	31	46	< 40	44	< 170	< 600	< 160	< 180
Acenaphthylene	ug/kg	NCE	5.87	---	---	---	50	< 42	67	110	< 40	78	45	< 600	42	48
Anthracene	ug/kg	845	57.2	---	---	---	110	< 42	120	190	< 40	130	94	240	58	69
Benzo(a)anthracene	ug/kg	1050	108	---	---	---	600	< 42	730	1200	< 40	830	540	1100	390	440
Benzo(a)pyrene	ug/kg	1450	150	---	---	---	880	17	1000	1500	10	1200	900	1500	610	700
Benzo(b)fluoranthene	ug/kg	NCE	10400	---	---	---	1200	15	1400	1900	16	1600	1300	1800	980	1100
Benzo(g,h,i)perylene	ug/kg	NCE	170	---	---	---	760	13	800	1200	< 40	940	720	1100	580	670
Benzo(k)fluoranthene	ug/kg	NCE	240	---	---	---	680	< 42	710	1000	< 40	900	770	980	460	570
Bis(2-chloroethoxy) methane	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Bis(2-chloroethyl)ether	ug/kg	NCE	3520	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Bis(2-chloroisopropyl) ether	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Bis(2-ethylhexyl)phthalate	ug/kg	NCE	182	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Butyl benzyl phthalate	ug/kg	NCE	1970	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Carbazole	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Chrysene	ug/kg	1290	166	---	---	---	900	< 42	970	1500	< 40	1200	880	1500	740	710
Dibenzo(a,h)anthracene	ug/kg	NCE	33	---	---	---	230	< 42	260	270	< 40	280	220	330	130	220
Dibenzofuran	ug/kg	NCE	449	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Diethyl phthalate	ug/kg	NCE	295	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Dimethyl phthalate	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Di-n-butyl phthalate	ug/kg	NCE	1114	---	---	---	< 720	< 220	73	< 670	< 200	< 870	< 850	< 3000	120	160
Di-n-octyl phthalate	ug/kg	NCE	40600	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Fluoranthene	ug/kg	2230	423	---	---	---	1700	14	1700	2500	23	2000	1500	2200	1100	1200
Fluorene	ug/kg	536	77.4	---	---	---	50	< 42	55	80	< 40	62	51	< 600	33	39
Hexachlorobenzene (C-66)	ug/kg	NCE	20	---	---	---	< 290	< 86	< 240	< 270	< 82	< 350	< 340	< 1200	< 320	< 370
Hexachlorobutadiene (C-46)	ug/kg	NCE	26.5	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Hexachlorocyclopentadiene (C-56)	ug/kg	NCE	901	---	---	---	< 2900	< 860	< 2400	< 2700	< 820	< 3500	< 3400	< 12000	< 3200	< 3700

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	9/9/2010 10	9/9/2010 10	9/9/2010 10	9/1/2010 10:50 AM	9/1/2010 11:43 AM	9/1/2010 11:45 AM	9/1/2010 12:55 PM	9/1/2010 3:15 PM	9/1/2010 3:45 PM	9/1/2010 3:45 PM	9/1/2010 4:35 PM	9/2/2010 10:10 AM	9/2/2010 2:00 PM
	Sample			SOTF-E-Q-37.79-R01-1.1-2.0	SOTF-E-Q-37.79-R01-0.6-1.1	SOTF-E-Q-37.79-R01-0.0-0.6	SEE090110 50PML1	SEB090111 43JLS1	SEE090111 45PML1	SEE090112 55PML1	SEE090115 15JAW1	SEE090115 45PML1	SEE090115 45MHS1	SEE090116 35PML1	SEE090210 10PML1	SEE090214 00PML1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	NCE	584	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Indeno(1,2,3-c,d)pyrene	ug/kg	NCE	200	---	---	---	670	11	730	1100	< 40	850	600	930	480	570
Isophorone	ug/kg	NCE	432	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Naphthalene	ug/kg	561	176	---	---	---	32	< 42	30	42	< 40	37	36	< 600	< 160	< 180
Nitrobenzene	ug/kg	NCE	145	---	---	---	< 140	< 42	< 120	< 130	< 40	< 170	< 170	< 600	< 160	< 180
n-Nitroso-di-n-propylamine	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
N-Nitrosodiphenylamine	ug/kg	NCE	NCE	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Pentachlorophenol	ug/kg	NCE	23000	---	---	---	< 2900	< 860	< 2400	< 2700	< 820	< 3500	< 3400	< 12000	< 3200	< 3700
Phenanthrene	ug/kg	1170	204	---	---	---	560	< 42	580	920	< 40	660	410	830	280	320
Phenol	ug/kg	NCE	49.1	---	---	---	< 720	< 220	< 590	< 670	< 200	< 870	< 850	< 3000	< 810	< 920
Pyrene	ug/kg	1520	195	---	---	---	1300	15	1500	2300	18	1800	1200	2000	950	1100
TPH																
Diesel Range Organics (C10-C20)	mg/kg	NCE	NCE	13.06	12.98	16.32	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	NCE	NCE	---	---	---	160000	< 11000	210000	220000	< 11000	< 220000	< 220000	160000	210000	< 230000
Gasoline Range Organics (C6-C10)	mg/kg	NCE	NCE	7.262	< 15	21.318	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	NCE	NCE	---	---	---	1000000	29000	1300000	1500000	40000	1600000	1500000	960000	1500000	1500000
Oil Range Organics (C20-C40)	mg/kg	NCE	NCE	16.88	< 20	56.28	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	NCE	NCE	---	---	---	< 14000	< 3600	< 12000	< 13000	< 2700	< 17000	< 7100	< 11000	< 17000	< 17000
VOC																
1,1,1,2-Tetrachloroethane	mg/kg	NCE	NCE	< 0.026	< 0.05	< 0.026	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,1,1-Trichloroethane	mg/kg	NCE	0.213	< 0.032	< 0.05	< 0.032	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	NCE	213	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,1,2,2-Tetrachloroethane	mg/kg	NCE	0.85	< 0.06	< 0.05	< 0.06	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	NCE	850	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	NCE	NCE	< 0.022	< 0.05	< 0.022	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,1,2-Trichloroethane	mg/kg	NCE	0.518	< 0.031	< 0.05	< 0.031	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	NCE	518	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,1-Dichloroethane	mg/kg	NCE	0.000575	< 0.022	< 0.05	< 0.022	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	NCE	0.575	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,1-Dichloroethylene	mg/kg	NCE	0.0194	< 0.024	< 0.05	< 0.024	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	NCE	19.4	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,2,3-Trichloropropane	mg/kg	NCE	NCE	< 0.047	< 0.05	< 0.047	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,2,4-Trichlorobenzene	mg/kg	NCE	5.062	< 0.028	< 0.05	< 0.028	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	NCE	5062	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,2,4-Trimethylbenzene	mg/kg	NCE	NCE	< 0.028	< 0.05	< 0.028	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,2-Dichlorobenzene	mg/kg	NCE	0.294	< 0.021	< 0.05	< 0.021	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	NCE	294	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,2-Dichloroethane	mg/kg	NCE	NCE	< 0.021	< 0.05	< 0.021	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,2-Dichloropropane	mg/kg	NCE	0.333	< 0.024	< 0.05	< 0.024	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	9/9/2010 10	9/9/2010 10	9/9/2010 10	9/1/2010 10:50 AM	9/1/2010 11:43 AM	9/1/2010 11:45 AM	9/1/2010 12:55 PM	9/1/2010 3:15 PM	9/1/2010 3:45 PM	9/1/2010 3:45 PM	9/1/2010 4:35 PM	9/2/2010 10:10 AM	9/2/2010 2:00 PM
	Sample			SOTF-E-Q-37.79-R01-1.1-2.0	SOTF-E-Q-37.79-R01-0.6-1.1	SOTF-E-Q-37.79-R01-0.0-0.6	SEE090110 50PML1	SEB090111 43JLS1	SEE090111 45PML1	SEE090112 55PML1	SEE090115 15JAW1	SEE090115 45PML1	SEE090115 45MHS1	SEE090116 35PML1	SEE090210 10PML1	SEE090214 00PML1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	NCE	333	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,3,5-Trimethylbenzene	mg/kg	NCE	NCE	< 0.03	< 0.05	< 0.03	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,3-Dichlorobenzene	mg/kg	NCE	1.315	< 0.021	< 0.05	< 0.021	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	NCE	1315	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,3-Dichloropropene, cis	mg/kg	NCE	NCE	< 0.043	< 0.05	< 0.043	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,3-Dichloropropene, trans	mg/kg	NCE	NCE	< 0.04	< 0.05	< 0.04	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
1,4-Dichloro-2-butene, trans	mg/kg	NCE	NCE	< 0.031	< 0.25	< 0.031	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	NCE	NCE	---	---	---	< 60	< 14	< 51	< 57	< 11	< 69	< 34	< 41	< 66	< 81
1,4-Dichlorobenzene	mg/kg	NCE	0.318	< 0.02	< 0.05	< 0.02	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	NCE	318	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
2-Butanone (MEK)	mg/kg	NCE	0.0424	0.15	0.06	0.13	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	NCE	42.4	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	64	< 41
2-Hexanone	mg/kg	NCE	0.0582	< 0.05	< 2.5	< 0.05	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	NCE	58.2	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
2-Methylnaphthalene	mg/kg	NCE	0.0202	---	< 0.25	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	NCE	20.2	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
4-Methyl-2-pentanone (MIBK)	mg/kg	NCE	0.0251	< 0.047	< 2.5	< 0.047	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	NCE	25.1	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Acetone	mg/kg	NCE	0.0099	< 0.313	0.17	0.297	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	NCE	9.9	---	---	---	< 30	170	< 26	< 28	< 5.3	< 34	82	24	340	140
Benzene	mg/kg	NCE	0.142	< 0.029	< 0.05	< 0.029	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	NCE	142	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Bromochloromethane	mg/kg	NCE	NCE	< 0.022	< 0.05	< 0.022	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Bromodichloromethane	mg/kg	NCE	NCE	< 0.022	< 0.05	< 0.022	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Bromoform	mg/kg	NCE	0.492	< 0.024	< 0.05	< 0.024	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	NCE	492	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Bromomethane	mg/kg	NCE	0.00137	< 0.03	< 0.05	< 0.03	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	NCE	1.37	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Carbon disulfide	mg/kg	NCE	0.0239	< 0.037	< 0.25	< 0.037	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	NCE	23.9	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Carbon tetrachloride	mg/kg	NCE	1.45	< 0.022	< 0.05	< 0.022	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	NCE	1450	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Chlorobenzene	mg/kg	NCE	0.291	< 0.031	< 0.05	< 0.031	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	NCE	291	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Chloroethane	mg/kg	NCE	NCE	< 0.028	< 0.05	< 0.028	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Chloroform	mg/kg	NCE	0.121	< 0.028	< 0.05	< 0.028	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	NCE	121	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Chloromethane	mg/kg	NCE	NCE	< 0.073	< 0.05	< 0.073	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	9/9/2010 10	9/9/2010 10	9/9/2010 10	9/1/2010 10:50 AM	9/1/2010 11:43 AM	9/1/2010 11:45 AM	9/1/2010 12:55 PM	9/1/2010 3:15 PM	9/1/2010 3:45 PM	9/1/2010 3:45 PM	9/1/2010 4:35 PM	9/2/2010 10:10 AM	9/2/2010 2:00 PM
	Sample			SOTF-E-Q-37.79-R01-1.1-2.0	SOTF-E-Q-37.79-R01-0.6-1.1	SOTF-E-Q-37.79-R01-0.0-0.6	SEE090110 50PML1	SEB090111 43JLS1	SEE090111 45PML1	SEE090112 55PML1	SEE090115 15JAW1	SEE090115 45PML1	SEE090115 45MHS1	SEE090116 35PML1	SEE090210 10PML1	SEE090214 00PML1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
cis-1,2-Dichloroethylene	mg/kg	NCE	NCE	< 0.04	< 0.05	< 0.04	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Dibromochloromethane	mg/kg	NCE	NCE	< 0.023	< 0.05	< 0.023	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Dibromochloropropane	mg/kg	NCE	NCE	< 0.1	< 0.25	< 0.1	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Dibromomethane	mg/kg	NCE	NCE	< 0.037	< 0.05	< 0.037	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Dichlorodifluoromethane	mg/kg	NCE	NCE	< 0.073	< 0.05	< 0.073	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Diethyl ether	mg/kg	NCE	NCE	< 0.031	< 0.05	< 0.031	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Ethylbenzene	mg/kg	NCE	0.175	< 0.024	< 0.05	< 0.024	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	NCE	175	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Ethylene dibromide	mg/kg	NCE	NCE	< 0.037	< 0.05	< 0.037	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Isopropyl benzene	mg/kg	NCE	NCE	< 0.025	< 0.05	< 0.025	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
m&p-Xylene	mg/kg	NCE	NCE	< 0.047	< 0.1	< 0.047	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	NCE	NCE	---	---	---	< 60	< 14	< 51	< 57	< 11	< 69	< 34	< 41	< 66	< 81
Methyl Iodide	mg/kg	NCE	NCE	< 0.057	< 0.25	< 0.057	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	NCE	NCE	---	---	---	< 60	< 14	< 51	< 57	< 11	< 69	< 34	< 41	< 66	< 81
Methylene chloride	mg/kg	NCE	0.159	< 0.043	< 0.25	0.178	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	NCE	159	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Methyl-tert-butyl ether (MTBE)	mg/kg	NCE	NCE	< 0.047	< 0.05	< 0.047	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Naphthalene	mg/kg	0.561	0.176	< 0.06	< 0.25	< 0.06	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	561	176	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
n-Propylbenzene	mg/kg	NCE	NCE	< 0.025	< 0.05	< 0.025	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
o-Xylene	mg/kg	NCE	NCE	< 0.024	< 0.05	< 0.024	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Styrene	mg/kg	NCE	0.254	< 0.019	< 0.05	< 0.019	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	NCE	254	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Tetrachloroethylene	mg/kg	NCE	0.99	< 0.026	< 0.05	< 0.026	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	NCE	990	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Toluene	mg/kg	NCE	1.22	0.471	4.2	1.088	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	NCE	1220	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
trans-1,2-Dichloroethylene	mg/kg	NCE	0.654	< 0.033	< 0.05	< 0.033	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	NCE	654	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Trichloroethylene	mg/kg	NCE	0.112	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	NCE	112	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Trichlorofluoromethane	mg/kg	NCE	NCE	< 0.033	< 0.05	< 0.033	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	9/9/2010 10	9/9/2010 10	9/9/2010 10	9/1/2010 10:50 AM	9/1/2010 11:43 AM	9/1/2010 11:45 AM	9/1/2010 12:55 PM	9/1/2010 3:15 PM	9/1/2010 3:45 PM	9/1/2010 3:45 PM	9/1/2010 4:35 PM	9/2/2010 10:10 AM	9/2/2010 2:00 PM
	Sample			SOTF-E-Q-37.79-R01-1.1-2.0	SOTF-E-Q-37.79-R01-0.6-1.1	SOTF-E-Q-37.79-R01-0.0-0.6	SEE090110 50PML1	SEB090111 43JLS1	SEE090111 45PML1	SEE090112 55PML1	SEE090115 15JAW1	SEE090115 45PML1	SEE090115 45MHS1	SEE090116 35PML1	SEE090210 10PML1	SEE090214 00PML1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Analyte																
Trichlorofluoromethane	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Vinyl acetate	mg/kg	NCE	NCE	< 0.06	< 0.25	< 0.06	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	NCE	NCE	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Vinyl chloride	mg/kg	NCE	0.202	< 0.031	< 0.05	< 0.031	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	NCE	202	---	---	---	< 30	< 7.1	< 26	< 28	< 5.3	< 34	< 17	< 21	< 33	< 41
Xylenes	mg/kg	NCE	0.433	< 0.07	< 0.15	< 0.07	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	NCE	433	---	---	---	< 60	< 14	< 51	< 57	< 11	< 69	< 34	< 41	< 66	< 81

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 9:25 AM	9/3/2010 11:00 AM	9/3/2010 11:15 AM	9/3/2010 11:40 AM	9/3/2010 4:45 PM	9/3/2010 4:50 PM	9/4/2010 9:50 AM	9/4/2010 1:50 PM	9/5/2010 10:15 AM	9/5/2010 11:30 AM	9/5/2010 2:30 PM	9/5/2010 3:00 PM	9/5/2010 3:00 PM	9/5/2010 3:50 PM	9/6/2010 11:05 AM	9/6/2010 11:30 AM
	Sample	SEE090309 25PML1	SEE090311 00PML1	SEE090311 15JAW1	SEE090311 40MHS1	SEE090316 45MHS1	SEE090316 50PML1	SEE090409 50PML1	SEE090413 50PML1	SEE090510 15PML1	SEE090511 30PML1	SEE090514 30PML1	SEE090515 00JAW1	SEE090515 00MHS1	SEE090515 50MHS1	SEE090611 05PML1	SEE090611 30MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	81	80	74	78	81	78	77	76	75	79	73	23	56	80	78	76
Solids	%	19	20	26	22	19	22	23	24	25	21	27	77	44	20	22	24
Metals																	
Antimony	ug/kg	< 5200	< 4800	450	870	< 5000	< 4300	520	590	< 3700	< 4500	< 3600	< 1300	< 2200	< 4800	< 4600	< 3900
Arsenic	ug/kg	12000	9500	16000	12000	12000	9200	15000	17000	20000	18000	23000	1900	3900	14000	9800	13000
Barium	ug/kg	220000	210000	170000	210000	220000	200000	170000	160000	180000	170000	180000	15000	87000	200000	210000	210000
Beryllium	ug/kg	510	420	450	480	480	400	500	460	480	450	430	100	150	510	420	540
Cadmium	ug/kg	2400	1800	1700	2300	2200	1900	2000	1600	1700	1900	1700	47	380	2400	1800	2700
Calcium	ug/kg	150000000	180000000	87000000	180000000	150000000	180000000	87000000	80000000	83000000	89000000	80000000	4600000	92000000	110000000	170000000	160000000
Chromium (Total)	ug/kg	100000	88000	94000	110000	92000	81000	95000	76000	81000	85000	69000	12000	19000	110000	74000	170000
Cobalt	ug/kg	5800	4500	7600	5300	5300	4400	7200	7800	8300	7200	8200	2000	1700	6500	4600	6000
Copper	ug/kg	53000	42000	41000	52000	50000	40000	44000	36000	41000	43000	36000	4600	8800	55000	40000	68000
Iron	ug/kg	31000000	23000000	34000000	26000000	29000000	22000000	33000000	33000000	38000000	33000000	37000000	4900000	6300000	31000000	23000000	27000000
Lead	ug/kg	69000	55000	57000	66000	62000	52000	61000	54000	60000	61000	56000	4700	14000	71000	52000	87000
Magnesium	ug/kg	5900000	5200000	5900000	5500000	5600000	5200000	6100000	5600000	6300000	6400000	6000000	1400000	2100000	5900000	5100000	5500000
Manganese	ug/kg	1300000	1100000	1300000	1100000	1300000	1000000	1300000	1300000	1400000	1200000	1500000	92000	410000	1200000	1100000	980000
Mercury (Total)	ug/kg	230	230	310	240	240	170	160	190	260	250	220	< 22	< 34	310	63	39
Molybdenum	ug/kg	1700	1200	1700	2100	2000	1200	< 2100	< 2100	< 1800	< 2300	< 1800	< 650	510	1100	< 2300	1600
Nickel	ug/kg	23000	20000	26000	25000	21000	20000	27000	22000	23000	24000	21000	7200	8000	27000	18000	39000
Selenium	ug/kg	710	< 2400	< 1700	< 2100	< 2500	< 2200	640	< 2100	< 1800	770	< 1800	< 650	< 1100	920	1400	1400
Silver	ug/kg	1200	960	550	1200	970	830	650	480	780	540	610	< 330	140	1000	800	1700
Thallium	ug/kg	< 2600	< 2400	< 1700	< 2100	< 2500	< 2200	< 2100	< 2100	< 1800	< 2300	< 1800	< 650	< 1100	< 2400	< 2300	< 2000
Vanadium	ug/kg	16000	13000	15000	15000	15000	12000	15000	15000	15000	14000	14000	4500	4900	16000	13000	16000
Zinc	ug/kg	270000	210000	250000	250000	250000	200000	250000	220000	260000	250000	---	27000	53000	280000	200000	320000
PCB																	
Aroclor 1016	ug/kg	< 83	< 79	< 62	< 73	< 86	< 76	< 69	< 70	< 63	< 79	< 61	< 21	< 38	< 83	< 76	< 69
Aroclor 1221	ug/kg	< 83	< 79	< 62	< 73	< 86	< 76	< 69	< 70	< 63	< 79	< 61	< 21	< 38	< 83	< 76	< 69
Aroclor 1232	ug/kg	< 83	< 79	< 62	< 73	< 86	< 76	< 69	< 70	< 63	< 79	< 61	< 21	< 38	< 83	< 76	< 69
Aroclor 1242	ug/kg	< 83	< 79	< 62	< 73	< 86	< 76	< 69	< 70	< 63	< 79	< 61	< 21	< 38	< 83	< 76	< 69
Aroclor 1248	ug/kg	< 83	< 79	< 62	< 73	< 86	< 76	< 69	< 70	< 63	< 79	< 61	< 21	< 38	< 83	< 76	< 69
Aroclor 1254	ug/kg	370	150	130	340	240	220	110	< 70	130	140	200	29	61	280	200	570
Aroclor 1260	ug/kg	< 83	< 79	< 62	< 73	< 86	< 76	< 69	< 70	< 63	< 79	< 61	< 21	< 38	< 83	< 76	< 69
Polychlorinated biphenyls (PCBs), total	ug/kg	370	150	130	340	240	220	110	< 70	130	140	200	29	61	280	200	570
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
1,2-Dichlorobenzene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
1,3-Dichlorobenzene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
1,4-Dichlorobenzene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2,4,5-Trichlorophenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
2,4,6-Trichlorophenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
2,4-Dichlorophenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
2,4-Dimethylphenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
2,4-Dinitrophenol	ug/kg	< 3300	< 3200	< 2500	< 3000	< 3400	< 3000	< 2800	< 2700	< 2600	< 3200	< 12000	< 850	< 1500	< 3300	< 3000	< 2700

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 9:25 AM	9/3/2010 11:00 AM	9/3/2010 11:15 AM	9/3/2010 11:40 AM	9/3/2010 4:45 PM	9/3/2010 4:50 PM	9/4/2010 9:50 AM	9/4/2010 1:50 PM	9/5/2010 10:15 AM	9/5/2010 11:30 AM	9/5/2010 2:30 PM	9/5/2010 3:00 PM	9/5/2010 3:00 PM	9/5/2010 3:50 PM	9/6/2010 11:05 AM	9/6/2010 11:30 AM
	Sample	SEE090309 25PML1	SEE090311 00PML1	SEE090311 15JAW1	SEE090311 40MHS1	SEE090316 45MHS1	SEE090316 50PML1	SEE090409 50PML1	SEE090413 50PML1	SEE090510 15PML1	SEE090511 30PML1	SEE090514 30PML1	SEE090515 00JAW1	SEE090515 00MHS1	SEE090515 50MHS1	SEE090611 05PML1	SEE090611 30MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2,6-Dinitrotoluene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2-Chloronaphthalene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2-Chlorophenol	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2-Methyl-4,6-dinitrophenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
2-Methylnaphthalene	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	55
2-Methylphenol	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2-Nitroaniline	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
2-Nitrophenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
3- And 4- Methylphenol (Total)	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
3,3'-Dichlorobenzidine	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
3-Nitroaniline	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
4-Bromophenyl phenylether	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
4-Chloro-3-methylphenol	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
4-Chloroaniline	ug/kg	< 3300	< 3200	< 2500	< 3000	< 3400	< 3000	< 2800	< 2700	< 2600	< 3200	< 12000	< 850	< 1500	< 3300	< 3000	< 2700
4-Chlorophenyl phenylether	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
4-Nitroaniline	ug/kg	< 1600	< 1600	< 1200	< 1500	< 1700	< 1500	< 1400	< 1300	< 1300	< 1600	< 5900	< 420	< 750	< 1600	< 1500	< 1300
4-Nitrophenol	ug/kg	< 3300	< 3200	< 2500	< 3000	< 3400	< 3000	< 2800	< 2700	< 2600	< 3200	< 12000	< 850	< 1500	< 3300	< 3000	< 2700
Acenaphthene	ug/kg	< 160	< 160	28	< 150	< 170	< 150	< 140	35	44	< 160	< 590	< 42	< 75	< 160	< 150	< 130
Acenaphthylene	ug/kg	39	< 160	71	< 150	35	31	< 140	63	100	66	140	< 42	< 75	42	< 150	50
Anthracene	ug/kg	76	37	190	54	69	46	89	130	150	100	250	< 42	< 75	79	39	68
Benzo(a)anthracene	ug/kg	370	210	940	260	470	260	660	850	1100	790	1400	34	55	470	270	380
Benzo(a)pyrene	ug/kg	600	350	1400	450	680	430	920	1100	1400	1100	1700	34	75	630	440	550
Benzo(b)fluoranthene	ug/kg	960	490	1700	700	990	730	1400	1400	1800	1300	1100	39	110	520	560	790
Benzo(g,h,i)perylene	ug/kg	600	330	1100	420	640	420	670	890	1100	850	1400	22	81	580	430	510
Benzo(k)fluoranthene	ug/kg	410	370	1100	340	560	250	560	880	840	850	2600	19	100	830	530	580
Bis(2-chloroethoxy) methane	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Bis(2-chloroethyl)ether	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Bis(2-chloroisopropyl) ether	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Bis(2-ethylhexyl)phthalate	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Butyl benzyl phthalate	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Carbazole	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Chrysene	ug/kg	710	410	1500	530	660	490	930	1300	1500	1100	1800	36	92	690	530	640
Dibenzo(a,h)anthracene	ug/kg	120	75	410	90	210	87	180	190	230	180	400	< 42	19	120	87	100
Dibenzofuran	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Diethyl phthalate	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Dimethyl phthalate	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Di-n-butyl phthalate	ug/kg	< 830	< 800	< 620	130	180	110	97	86	< 640	< 790	< 3000	29	< 380	< 820	< 750	91
Di-n-octyl phthalate	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Fluoranthene	ug/kg	1000	620	2700	900	1100	810	1500	1800	2400	1900	3000	44	160	1200	820	1100
Fluorene	ug/kg	34	< 160	48	33	37	< 150	46	59	76	55	< 590	< 42	< 75	33	31	48
Hexachlorobenzene (C-66)	ug/kg	< 330	< 320	< 250	< 300	< 340	< 300	< 280	< 270	< 260	< 320	< 1200	< 85	< 150	< 330	< 300	< 270
Hexachlorobutadiene (C-46)	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3300	< 3200	< 2500	< 3000	< 3400	< 3000	< 2800	< 2700	< 2600	< 3200	< 12000	< 850	< 1500	< 3300	< 3000	< 2700

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 9:25 AM	9/3/2010 11:00 AM	9/3/2010 11:15 AM	9/3/2010 11:40 AM	9/3/2010 4:45 PM	9/3/2010 4:50 PM	9/4/2010 9:50 AM	9/4/2010 1:50 PM	9/5/2010 10:15 AM	9/5/2010 11:30 AM	9/5/2010 2:30 PM	9/5/2010 3:00 PM	9/5/2010 3:00 PM	9/5/2010 3:50 PM	9/6/2010 11:05 AM	9/6/2010 11:30 AM
	Sample	SEE090309 25PML1	SEE090311 00PML1	SEE090311 15JAW1	SEE090311 40MHS1	SEE090316 45MHS1	SEE090316 50PML1	SEE090409 50PML1	SEE090413 50PML1	SEE090510 15PML1	SEE090511 30PML1	SEE090514 30PML1	SEE090515 00JAW1	SEE090515 00MHS1	SEE090515 50MHS1	SEE090611 05PML1	SEE090611 30MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Indeno(1,2,3-c,d)pyrene	ug/kg	490	280	930	380	540	350	560	730	880	700	1100	19	71	480	350	450
Isophorone	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Naphthalene	ug/kg	< 160	< 160	26	< 150	< 170	< 150	29	30	45	32	< 590	< 42	< 75	< 160	< 150	47
Nitrobenzene	ug/kg	< 160	< 160	< 120	< 150	< 170	< 150	< 140	< 130	< 130	< 160	< 590	< 42	< 75	< 160	< 150	< 130
n-Nitroso-di-n-propylamine	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
N-Nitrosodiphenylamine	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Pentachlorophenol	ug/kg	< 3300	< 3200	< 2500	< 3000	< 3400	< 3000	< 2800	< 2700	< 2600	< 3200	< 12000	< 850	< 1500	< 3300	< 3000	< 2700
Phenanthrene	ug/kg	290	160	890	190	270	200	420	610	840	640	1100	17	38	310	210	220
Phenol	ug/kg	< 830	< 800	< 620	< 760	< 850	< 750	< 710	< 670	< 640	< 790	< 3000	< 210	< 380	< 820	< 750	< 680
Pyrene	ug/kg	940	550	2000	710	980	640	1400	1700	2200	1600	2600	47	140	1000	690	960
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	290000	230000	260000	250000	260000	260000	180000	240000	210000	250000	190000	15000	290000	260000	260000	210000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	2300000	1600000	1800000	1900000	1700000	1800000	1600000	1800000	1400000	1900000	1400000	98000	1200000	2100000	1800000	1800000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 17000	< 16000	< 16000	< 8700	< 8200	< 18000	< 15000	< 14000	< 14000	< 17000	< 12000	< 2600	< 4000	< 7500	< 16000	< 12000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 9:25 AM	9/3/2010 11:00 AM	9/3/2010 11:15 AM	9/3/2010 11:40 AM	9/3/2010 4:45 PM	9/3/2010 4:50 PM	9/4/2010 9:50 AM	9/4/2010 1:50 PM	9/5/2010 10:15 AM	9/5/2010 11:30 AM	9/5/2010 2:30 PM	9/5/2010 3:00 PM	9/5/2010 3:00 PM	9/5/2010 3:50 PM	9/6/2010 11:05 AM	9/6/2010 11:30 AM
	Sample	SEE090309 25PML1	SEE090311 00PML1	SEE090311 15JAW1	SEE090311 40MHS1	SEE090316 45MHS1	SEE090316 50PML1	SEE090409 50PML1	SEE090413 50PML1	SEE090510 15PML1	SEE090511 30PML1	SEE090514 30PML1	SEE090515 00JAW1	SEE090515 00MHS1	SEE090515 50MHS1	SEE090611 05PML1	SEE090611 30MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 74	< 67	< 74	< 41	< 37	< 64	< 59	< 49	< 50	< 65	< 47	< 10	< 16	< 39	< 64	< 52
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	57	< 23	< 5	< 8	< 19	< 32	22
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	< 37	< 33	< 37	< 20	< 19	28	< 29	< 24	< 25	320	< 23	< 5	< 8	41	< 32	210
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 9:25 AM	9/3/2010 11:00 AM	9/3/2010 11:15 AM	9/3/2010 11:40 AM	9/3/2010 4:45 PM	9/3/2010 4:50 PM	9/4/2010 9:50 AM	9/4/2010 1:50 PM	9/5/2010 10:15 AM	9/5/2010 11:30 AM	9/5/2010 2:30 PM	9/5/2010 3:00 PM	9/5/2010 3:00 PM	9/5/2010 3:50 PM	9/6/2010 11:05 AM	9/6/2010 11:30 AM
	Sample	SEE090309 25PML1	SEE090311 00PML1	SEE090311 15JAW1	SEE090311 40MHS1	SEE090316 45MHS1	SEE090316 50PML1	SEE090409 50PML1	SEE090413 50PML1	SEE090510 15PML1	SEE090511 30PML1	SEE090514 30PML1	SEE090515 00JAW1	SEE090515 00MHS1	SEE090515 50MHS1	SEE090611 05PML1	SEE090611 30MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 74	< 67	< 74	< 41	< 37	< 64	< 59	< 49	< 50	< 65	< 47	< 10	< 16	< 39	< 64	< 52
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 74	< 67	< 74	< 41	< 37	< 64	< 59	< 49	< 50	< 65	< 47	< 10	< 16	< 39	< 64	< 52
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 9:25 AM	9/3/2010 11:00 AM	9/3/2010 11:15 AM	9/3/2010 11:40 AM	9/3/2010 4:45 PM	9/3/2010 4:50 PM	9/4/2010 9:50 AM	9/4/2010 1:50 PM	9/5/2010 10:15 AM	9/5/2010 11:30 AM	9/5/2010 2:30 PM	9/5/2010 3:00 PM	9/5/2010 3:00 PM	9/5/2010 3:50 PM	9/6/2010 11:05 AM	9/6/2010 11:30 AM
	Sample	SEE090309 25PML1	SEE090311 00PML1	SEE090311 15JAW1	SEE090311 40MHS1	SEE090316 45MHS1	SEE090316 50PML1	SEE090409 50PML1	SEE090413 50PML1	SEE090510 15PML1	SEE090511 30PML1	SEE090514 30PML1	SEE090515 00JAW1	SEE090515 00MHS1	SEE090515 50MHS1	SEE090611 05PML1	SEE090611 30MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 37	< 33	< 37	< 20	< 19	< 32	< 29	< 24	< 25	< 33	< 23	< 5	< 8	< 19	< 32	< 26
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 74	< 67	< 74	< 41	< 37	< 64	< 59	< 49	< 50	< 65	< 47	< 10	< 16	< 39	< 64	< 52

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 3:00 PM	9/6/2010 3:25 PM	9/6/2010 4:10 PM	9/7/2010 9:30 AM	9/7/2010 10:50 AM	9/8/2010 9:30 AM	9/8/2010 10:10 AM	9/8/2010 10:20 AM	9/8/2010 12:05 PM	9/9/2010 9:00 AM	9/9/2010 10:05 AM	9/9/2010 10:10 AM	9/9/2010 10:25 AM	9/9/2010 11:45 AM	9/9/2010 2:10 PM	9/9/2010 2:10 PM
	Sample	SEE090615 00PML1	SEE090615 25MHS1	SEE090616 10JAW1	SEE090709 30JRP1	SEE090710 50PML1	SEE090809 30JRP1	SEE090810 10PML1	SEE090810 20RCM1	SEE090812 05PML1	SEE090909 00JRP1	SEE090910 05RCM1	SEE090910 10PML1	SEE090910 25JRP1	SEE090911 45PML1	SEE090914 10PML1	SEE090914 10RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	82	80	46	26	79	21	78	80	79	66	78	74	74	75	75	81
Solids	%	18	20	54	74	21	79	22	20	21	34	22	26	26	25	25	19
Metals																	
Antimony	ug/kg	< 5500	< 4900	< 1600	< 1200	< 4500	< 1200	< 4100	< 4700	< 4300	830	1500	< 3600	930	820	670	1200
Arsenic	ug/kg	12000	11000	7000	3200	11000	1600	9600	14000	9900	14000	14000	16000	16000	21000	17000	12000
Barium	ug/kg	210000	210000	54000	21000	220000	11000	210000	220000	210000	180000	220000	170000	180000	190000	170000	220000
Beryllium	ug/kg	540	450	200	130	490	110	410	580	440	510	510	500	510	490	480	500
Cadmium	ug/kg	2400	2100	440	63	2300	20	1800	2500	1900	2600	2500	1900	1900	1900	1800	2300
Calcium	ug/kg	130000000	160000000	31000000	5900000	160000000	3300000	190000000	120000000	180000000	51000000	170000000	90000000	93000000	83000000	87000000	160000000
Chromium (Total)	ug/kg	100000	90000	39000	9300	99000	8400	86000	110000	81000	200000	140000	100000	110000	82000	94000	100000
Cobalt	ug/kg	5800	5100	4400	1700	5300	1700	4500	6700	4700	6800	6000	7500	8100	8400	7900	5200
Copper	ug/kg	54000	45000	13000	2500	51000	1800	43000	58000	43000	140000	59000	52000	47000	42000	41000	51000
Iron	ug/kg	31000000	26000000	15000000	6900000	28000000	4600000	22000000	34000000	23000000	24000000	27000000	34000000	35000000	39000000	34000000	28000000
Lead	ug/kg	68000	58000	19000	4200	64000	3400	55000	73000	54000	110000	74000	61000	64000	60000	58000	63000
Magnesium	ug/kg	5800000	5300000	3200000	880000	5800000	890000	5200000	6400000	5400000	4900000	5500000	6300000	6600000	6200000	6000000	5700000
Manganese	ug/kg	1300000	1200000	610000	230000	1200000	80000	1000000	1400000	1100000	910000	1000000	1300000	1200000	1500000	1300000	1200000
Mercury (Total)	ug/kg	96	190	18	19	330	< 20	---	---	---	1100	290	300	270	280	270	240
Molybdenum	ug/kg	< 2700	1300	260	< 620	< 2300	< 610	< 2100	< 2300	< 2100	1300	2500	690	1200	1400	1000	< 2600
Nickel	ug/kg	23000	21000	17000	4400	22000	5400	21000	27000	20000	44000	32000	30000	30000	23000	26000	22000
Selenium	ug/kg	2000	1600	540	260	1400	200	1100	2000	1400	1400	1300	1400	1500	1800	1400	1600
Silver	ug/kg	1200	1000	220	< 310	1100	< 300	990	1000	980	2700	1700	590	670	1100	490	1200
Thallium	ug/kg	< 2700	< 2500	< 800	< 620	< 2300	< 610	< 2100	< 2300	< 2100	< 1400	< 2100	< 1800	< 1900	< 1900	< 1800	< 2600
Vanadium	ug/kg	16000	14000	7100	5000	14000	4000	12000	17000	13000	15000	16000	16000	16000	16000	15000	16000
Zinc	ug/kg	270000	230000	100000	27000	250000	23000	200000	280000	200000	420000	280000	250000	270000	260000	250000	250000
PCB																	
Aroclor 1016	ug/kg	< 93	< 82	< 30	< 21	< 80	< 21	< 74	< 83	< 76	< 93	< 71	< 65	< 61	< 64	< 64	< 81
Aroclor 1221	ug/kg	< 93	< 82	< 30	< 21	< 80	< 21	< 74	< 83	< 76	< 93	< 71	< 65	< 61	< 64	< 64	< 81
Aroclor 1232	ug/kg	< 93	< 82	< 30	< 21	< 80	< 21	< 74	< 83	< 76	< 93	< 71	< 65	< 61	< 64	< 64	< 81
Aroclor 1242	ug/kg	< 93	< 82	< 30	< 21	< 80	< 21	< 74	< 83	< 76	< 93	< 71	< 65	< 61	< 64	< 64	< 81
Aroclor 1248	ug/kg	< 93	< 82	< 30	< 21	< 80	< 21	< 74	< 83	< 76	< 93	< 71	< 65	< 61	< 64	< 64	< 81
Aroclor 1254	ug/kg	250	250	95	< 21	240	< 21	350	340	400	1800	330	150	110	140	130	260
Aroclor 1260	ug/kg	< 93	< 82	< 30	< 21	< 80	< 21	< 74	< 83	< 76	< 93	< 71	< 65	< 61	< 64	< 64	< 81
Polychlorinated biphenyls (PCBs), total	ug/kg	250	250	95	< 21	240	< 21	350	340	400	1800	330	150	110	140	130	260
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
1,2-Dichlorobenzene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
1,3-Dichlorobenzene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
1,4-Dichlorobenzene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2,4,5-Trichlorophenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
2,4,6-Trichlorophenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
2,4-Dichlorophenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
2,4-Dimethylphenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
2,4-Dinitrophenol	ug/kg	< 3700	< 3200	< 1200	< 890	< 3100	< 820	< 3000	< 3400	< 3100	< 1900	< 3000	< 2400	< 2400	< 2700	< 2600	< 3400

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 3:00 PM	9/6/2010 3:25 PM	9/6/2010 4:10 PM	9/7/2010 9:30 AM	9/7/2010 10:50 AM	9/8/2010 9:30 AM	9/8/2010 10:10 AM	9/8/2010 10:20 AM	9/8/2010 12:05 PM	9/9/2010 9:00 AM	9/9/2010 10:05 AM	9/9/2010 10:10 AM	9/9/2010 10:25 AM	9/9/2010 11:45 AM	9/9/2010 2:10 PM	9/9/2010 2:10 PM
	Sample	SEE090615 00PML1	SEE090615 25MHS1	SEE090616 10JAW1	SEE090709 30JRP1	SEE090710 50PML1	SEE090809 30JRP1	SEE090810 10PML1	SEE090810 20RCM1	SEE090812 05PML1	SEE090909 00JRP1	SEE090910 05RCM1	SEE090910 10PML1	SEE090910 25JRP1	SEE090911 45PML1	SEE090914 10PML1	SEE090914 10RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2,6-Dinitrotoluene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2-Chloronaphthalene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2-Chlorophenol	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2-Methyl-4,6-dinitrophenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
2-Methylnaphthalene	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	41	< 750	< 610	< 610	< 660	< 650	< 860
2-Methylphenol	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2-Nitroaniline	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
2-Nitrophenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
3- And 4- Methylphenol (Total)	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	120	< 750	< 610	< 610	< 660	< 650	< 860
3,3'-Dichlorobenzidine	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
3-Nitroaniline	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
4-Bromophenyl phenylether	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
4-Chloro-3-methylphenol	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
4-Chloroaniline	ug/kg	< 3700	< 3200	< 1200	< 890	< 3100	< 820	< 3000	< 3400	< 3100	< 1900	< 3000	< 2400	< 2400	< 2700	< 2600	< 3400
4-Chlorophenyl phenylether	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
4-Nitroaniline	ug/kg	< 1800	< 1600	< 570	< 440	< 1500	< 400	< 1500	< 1700	< 1500	< 930	< 1500	< 1200	< 1200	< 1300	< 1300	< 1700
4-Nitrophenol	ug/kg	< 3700	< 3200	< 1200	< 890	< 3100	< 820	< 3000	< 3400	< 3100	< 1900	< 3000	< 2400	< 2400	< 2700	< 2600	< 3400
Acenaphthene	ug/kg	< 180	< 160	31	< 44	< 150	< 40	< 150	< 170	< 150	31	< 150	< 120	36	< 130	< 130	< 170
Acenaphthylene	ug/kg	< 180	46	160	< 44	< 150	< 40	33	48	< 150	75	< 150	34	62	56	48	< 170
Anthracene	ug/kg	79	69	350	< 44	48	< 40	41	92	45	110	35	85	130	100	100	< 170
Benzo(a)anthracene	ug/kg	500	360	2500	35	280	< 40	300	540	310	490	210	550	810	650	680	190
Benzo(a)pyrene	ug/kg	670	600	2300	46	390	< 40	350	710	380	570	330	770	1000	930	870	280
Benzo(b)fluoranthene	ug/kg	1100	950	2500	62	610	< 40	570	840	550	660	550	1100	1500	1300	1100	430
Benzo(g,h,i)perylene	ug/kg	650	640	1300	42	380	< 40	380	590	360	440	280	560	750	630	640	250
Benzo(k)fluoranthene	ug/kg	460	450	810	34	280	< 40	380	940	360	180	190	390	440	410	480	190
Bis(2-chloroethoxy) methane	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Bis(2-chloroethyl)ether	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Bis(2-chloroisopropyl) ether	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Bis(2-ethylhexyl)phthalate	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	370	240	310	320	340	310	< 860
Butyl benzyl phthalate	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Carbazole	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Chrysene	ug/kg	690	700	2100	58	470	< 40	460	810	440	600	350	790	1000	920	850	300
Dibenzo(a,h)anthracene	ug/kg	200	170	490	< 44	78	< 40	110	150	120	120	< 150	140	210	160	170	< 170
Dibenzofuran	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Diethyl phthalate	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Dimethyl phthalate	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Di-n-butyl phthalate	ug/kg	180	130	53	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Di-n-octyl phthalate	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Fluoranthene	ug/kg	1300	1100	2800	96	700	11	700	1400	860	740	670	1400	1800	1700	1500	550
Fluorene	ug/kg	< 180	46	43	< 44	< 150	< 40	< 150	34	< 150	58	< 150	41	55	46	46	< 170
Hexachlorobenzene (C-66)	ug/kg	< 370	< 320	< 120	< 89	< 310	< 82	< 300	< 340	< 310	< 190	< 300	< 240	< 240	< 270	< 260	< 340
Hexachlorobutadiene (C-46)	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3700	< 3200	< 1200	< 890	< 3100	< 820	< 3000	< 3400	< 3100	< 1900	< 3000	< 2400	< 2400	< 2700	< 2600	< 3400

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 3:00 PM	9/6/2010 3:25 PM	9/6/2010 4:10 PM	9/7/2010 9:30 AM	9/7/2010 10:50 AM	9/8/2010 9:30 AM	9/8/2010 10:10 AM	9/8/2010 10:20 AM	9/8/2010 12:05 PM	9/9/2010 9:00 AM	9/9/2010 10:05 AM	9/9/2010 10:10 AM	9/9/2010 10:25 AM	9/9/2010 11:45 AM	9/9/2010 2:10 PM	9/9/2010 2:10 PM
	Sample	SEE090615 00PML1	SEE090615 25MHS1	SEE090616 10JAW1	SEE090709 30JRP1	SEE090710 50PML1	SEE090809 30JRP1	SEE090810 10PML1	SEE090810 20RCM1	SEE090812 05PML1	SEE090909 00JRP1	SEE090910 05RCM1	SEE090910 10PML1	SEE090910 25JRP1	SEE090911 45PML1	SEE090914 10PML1	SEE090914 10RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Indeno(1,2,3-c,d)pyrene	ug/kg	570	500	1200	37	330	< 40	310	550	320	380	250	500	700	600	590	220
Isophorone	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Naphthalene	ug/kg	< 180	35	36	< 44	< 150	< 40	< 150	< 170	< 150	36	< 150	28	30	26	30	< 170
Nitrobenzene	ug/kg	< 180	< 160	< 57	< 44	< 150	< 40	< 150	< 170	< 150	< 93	< 150	< 120	< 120	< 130	< 130	< 170
n-Nitroso-di-n-propylamine	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
N-Nitrosodiphenylamine	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Pentachlorophenol	ug/kg	< 3700	< 3200	< 1200	< 890	< 3100	< 820	< 3000	< 3400	< 3100	< 1900	< 3000	< 2400	< 2400	< 2700	< 2600	< 3400
Phenanthrene	ug/kg	330	290	610	28	200	< 40	200	390	190	330	130	410	530	520	470	140
Phenol	ug/kg	< 920	< 800	< 290	< 220	< 780	< 200	< 740	< 850	< 760	< 470	< 750	< 610	< 610	< 660	< 650	< 860
Pyrene	ug/kg	1100	930	2600	72	590	< 40	590	1100	590	830	490	1000	1400	1200	1100	430
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	< 230000	200000	< 72000	17000	220000	< 10000	270000	210000	290000	410000	200000	150000	110000	170000	150000	210000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	1500000	1500000	400000	100000	1700000	24000	1900000	1600000	1800000	3000000	1600000	1200000	880000	1200000	830000	1600000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 21000	< 17000	< 4700	< 2800	< 17000	< 2700	< 16000	< 18000	< 16000	< 7600	< 17000	< 13000	< 14000	< 13000	< 13000	< 20000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 3:00 PM	9/6/2010 3:25 PM	9/6/2010 4:10 PM	9/7/2010 9:30 AM	9/7/2010 10:50 AM	9/8/2010 9:30 AM	9/8/2010 10:10 AM	9/8/2010 10:20 AM	9/8/2010 12:05 PM	9/9/2010 9:00 AM	9/9/2010 10:05 AM	9/9/2010 10:10 AM	9/9/2010 10:25 AM	9/9/2010 11:45 AM	9/9/2010 2:10 PM	9/9/2010 2:10 PM
	Sample	SEE090615 00PML1	SEE090615 25MHS1	SEE090616 10JAW1	SEE090709 30JRP1	SEE090710 50PML1	SEE090809 30JRP1	SEE090810 10PML1	SEE090810 20RCM1	SEE090812 05PML1	SEE090909 00JRP1	SEE090910 05RCM1	SEE090910 10PML1	SEE090910 25JRP1	SEE090911 45PML1	SEE090914 10PML1	SEE090914 10RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 90	< 66	< 17	< 9.8	< 62	< 11	< 55	< 56	< 63	< 33	< 64	< 52	< 43	< 52	< 52	< 60
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	17
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	180	41	< 8.5	< 4.9	< 31	< 5.3	< 28	170	280	< 17	150	< 26	< 21	< 26	< 26	7000
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 3:00 PM	9/6/2010 3:25 PM	9/6/2010 4:10 PM	9/7/2010 9:30 AM	9/7/2010 10:50 AM	9/8/2010 9:30 AM	9/8/2010 10:10 AM	9/8/2010 10:20 AM	9/8/2010 12:05 PM	9/9/2010 9:00 AM	9/9/2010 10:05 AM	9/9/2010 10:10 AM	9/9/2010 10:25 AM	9/9/2010 11:45 AM	9/9/2010 2:10 PM	9/9/2010 2:10 PM
	Sample	SEE090615 00PML1	SEE090615 25MHS1	SEE090616 10JAW1	SEE090709 30JRP1	SEE090710 50PML1	SEE090809 30JRP1	SEE090810 10PML1	SEE090810 20RCM1	SEE090812 05PML1	SEE090909 00JRP1	SEE090910 05RCM1	SEE090910 10PML1	SEE090910 25JRP1	SEE090911 45PML1	SEE090914 10PML1	SEE090914 10RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 90	< 66	< 17	< 9.8	< 62	< 11	< 55	< 56	< 63	< 33	< 64	< 52	< 43	< 52	< 52	< 60
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 90	< 66	< 17	< 9.8	< 62	< 11	< 55	< 56	< 63	< 33	< 64	< 52	< 43	< 52	< 52	< 60
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 3:00 PM	9/6/2010 3:25 PM	9/6/2010 4:10 PM	9/7/2010 9:30 AM	9/7/2010 10:50 AM	9/8/2010 9:30 AM	9/8/2010 10:10 AM	9/8/2010 10:20 AM	9/8/2010 12:05 PM	9/9/2010 9:00 AM	9/9/2010 10:05 AM	9/9/2010 10:10 AM	9/9/2010 10:25 AM	9/9/2010 11:45 AM	9/9/2010 2:10 PM	9/9/2010 2:10 PM
	Sample	SEE090615 00PML1	SEE090615 25MHS1	SEE090616 10JAW1	SEE090709 30JRP1	SEE090710 50PML1	SEE090809 30JRP1	SEE090810 10PML1	SEE090810 20RCM1	SEE090812 05PML1	SEE090909 00JRP1	SEE090910 05RCM1	SEE090910 10PML1	SEE090910 25JRP1	SEE090911 45PML1	SEE090914 10PML1	SEE090914 10RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 45	< 33	< 8.5	< 4.9	< 31	< 5.3	< 28	< 28	< 31	< 17	< 32	< 26	< 21	< 26	< 26	< 30
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 90	< 66	< 17	< 9.8	< 62	< 11	< 55	< 56	< 63	< 33	< 64	< 52	< 43	< 52	< 52	< 60

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 3:15 PM	9/9/2010 4:05 PM	9/10/2010 9:20 AM	9/10/2010 9:45 AM	9/10/2010 10:22 AM	9/10/2010 12:15 PM	9/10/2010 4:25 PM	9/11/2010 10:15 AM	9/12/2010 10:55 AM	9/12/2010 11:05 AM	9/12/2010 2:36 PM	9/12/2010 2:50 PM	9/13/2010 9:15 AM	9/13/2010 9:40 AM	9/13/2010 9:55 AM	9/13/2010 10:26 AM
	Sample	SEE090915 15PML1	SEE090916 05PML1	SEE091009 20JRP1	SEE091009 45RCM1	SEE091010 22PML1	SEE091012 15PML1	SEE091016 25PML1	SEE091110 15PML1	SEE091210 55PML1	SEE091211 05RCM1	SEE091214 36RCM1	SEE091214 50PML1	SEE091309 15JRP1	SEE091309 40PML1	SEE091309 55JRP1	SEE091310 26RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	78	76	25	37	81	81	80	77	78	81	80	77	50	74	71	80
Solids	%	22	24	75	63	19	19	20	23	22	19	20	23	50	26	29	20
Metals																	
Antimony	ug/kg	940	620	< 1300	< 1500	< 5300	< 5000	< 4700	< 4300	680	2100	920	1200	260	1000	570	890
Arsenic	ug/kg	18000	23000	3400	2600	12000	13000	12000	9300	9500	12000	14000	15000	9500	17000	14000	14000
Barium	ug/kg	180000	180000	24000	34000	230000	230000	230000	210000	210000	220000	210000	200000	56000	160000	160000	210000
Beryllium	ug/kg	470	450	160	150	550	580	530	400	420	470	540	540	250	450	450	490
Cadmium	ug/kg	1900	1600	62	120	2200	2600	2400	1800	1900	2300	2500	2100	450	1800	2000	2400
Calcium	ug/kg	91000000	79000000	7700000	28000000	160000000	150000000	160000000	190000000	180000000	150000000	120000000	100000000	47000000	83000000	86000000	180000000
Chromium (Total)	ug/kg	80000	68000	13000	9500	100000	120000	110000	89000	83000	94000	110000	99000	27000	94000	110000	130000
Cobalt	ug/kg	6900	8400	2100	1700	5800	6100	5700	4300	4500	5400	6600	7300	5500	7900	7800	5800
Copper	ug/kg	43000	40000	4600	3600	52000	60000	57000	43000	42000	49000	57000	49000	10000	39000	44000	56000
Iron	ug/kg	33000000	36000000	8500000	4900000	30000000	32000000	30000000	21000000	23000000	28000000	33000000	36000000	17000000	33000000	32000000	27000000
Lead	ug/kg	58000	55000	6000	5900	66000	76000	71000	54000	54000	62000	73000	68000	14000	55000	62000	72000
Magnesium	ug/kg	6500000	5900000	1100000	1000000	5800000	6200000	6000000	5000000	5300000	5500000	6300000	6700000	4600000	5800000	5900000	5700000
Manganese	ug/kg	1200000	1500000	260000	170000	1300000	1300000	1200000	920000	1000000	1300000	1300000	1300000	600000	1300000	1100000	1000000
Mercury (Total)	ug/kg	260	350	18	12	270	280	290	230	220	260	310	320	79	260	300	310
Molybdenum	ug/kg	1300	900	81	< 750	650	650	870	< 2100	< 2200	< 2600	< 2400	< 2100	< 980	< 1900	1600	2600
Nickel	ug/kg	22000	21000	5900	5800	24000	27000	24000	21000	20000	21000	27000	26000	13000	27000	29000	29000
Selenium	ug/kg	1700	1700	310	210	2200	2000	1600	1300	980	1400	1600	1800	390	1500	1500	1400
Silver	ug/kg	700	530	< 330	< 380	1100	1300	1300	970	970	1200	1300	900	340	670	750	1400
Thallium	ug/kg	< 2300	< 2000	< 660	< 750	< 2600	< 2500	< 2300	< 2100	< 2200	< 2600	< 2400	< 2100	< 980	< 1900	< 1600	< 2300
Vanadium	ug/kg	14000	15000	6400	5700	16000	16000	15000	12000	13000	14000	16000	16000	15000	15000	14000	15000
Zinc	ug/kg	240000	230000	37000	27000	260000	290000	270000	200000	---	250000	280000	270000	78000	240000	270000	270000
PCB																	
Aroclor 1016	ug/kg	< 75	< 69	< 21	< 26	< 87	< 87	< 80	< 71	< 73	< 86	< 80	< 71	< 33	< 64	< 56	< 81
Aroclor 1221	ug/kg	< 75	< 69	< 21	< 26	< 87	< 87	< 80	< 71	< 73	< 86	< 80	< 71	< 33	< 64	< 56	< 81
Aroclor 1232	ug/kg	< 75	< 69	< 21	< 26	< 87	< 87	< 80	< 71	< 73	< 86	< 80	< 71	< 33	< 64	< 56	< 81
Aroclor 1242	ug/kg	< 75	< 69	< 21	< 26	< 87	< 87	< 80	< 71	< 73	< 86	< 80	< 71	< 33	< 64	< 56	< 81
Aroclor 1248	ug/kg	< 75	< 69	< 21	< 26	< 87	< 87	< 80	< 71	< 73	< 86	< 80	< 71	< 33	< 64	< 56	< 81
Aroclor 1254	ug/kg	180	94	11	25	63	100	140	58	290	78	270	190	71	52	36	300
Aroclor 1260	ug/kg	< 75	< 69	< 21	< 26	< 87	< 87	< 80	< 71	< 73	< 86	< 80	< 71	< 33	< 64	< 56	< 81
Polychlorinated biphenyls (PCBs), total	ug/kg	180	94	11	25	63	100	140	58	290	78	270	190	71	52	36	300
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
1,2-Dichlorobenzene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
1,3-Dichlorobenzene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
1,4-Dichlorobenzene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2,4,5-Trichlorophenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
2,4,6-Trichlorophenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
2,4-Dichlorophenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
2,4-Dimethylphenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
2,4-Dinitrophenol	ug/kg	< 3000	< 2700	< 850	< 1000	< 3500	< 3400	< 3200	< 2900	< 3000	< 3400	< 3300	< 2800	< 1300	< 2500	< 2200	< 3200

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 3:15 PM	9/9/2010 4:05 PM	9/10/2010 9:20 AM	9/10/2010 9:45 AM	9/10/2010 10:22 AM	9/10/2010 12:15 PM	9/10/2010 4:25 PM	9/11/2010 10:15 AM	9/12/2010 10:55 AM	9/12/2010 11:05 AM	9/12/2010 2:36 PM	9/12/2010 2:50 PM	9/13/2010 9:15 AM	9/13/2010 9:40 AM	9/13/2010 9:55 AM	9/13/2010 10:26 AM
	Sample	SEE090915 15PML1	SEE090916 05PML1	SEE091009 20JRP1	SEE091009 45RCM1	SEE091010 22PML1	SEE091012 15PML1	SEE091016 25PML1	SEE091110 15PML1	SEE091210 55PML1	SEE091211 05RCM1	SEE091214 36RCM1	SEE091214 50PML1	SEE091309 15JRP1	SEE091309 40PML1	SEE091309 55JRP1	SEE091310 26RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2,6-Dinitrotoluene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2-Chloronaphthalene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2-Chlorophenol	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2-Methyl-4,6-dinitrophenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
2-Methylnaphthalene	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	34	< 630	< 560	< 790
2-Methylphenol	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2-Nitroaniline	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
2-Nitrophenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
3- And 4- Methylphenol (Total)	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
3,3'-Dichlorobenzidine	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
3-Nitroaniline	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
4-Bromophenyl phenylether	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
4-Chloro-3-methylphenol	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
4-Chloroaniline	ug/kg	< 3000	< 2700	< 850	< 1000	< 3500	< 3400	< 3200	< 2900	< 3000	< 3400	< 3300	< 2800	< 1300	< 2500	< 2200	< 3200
4-Chlorophenyl phenylether	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
4-Nitroaniline	ug/kg	< 1500	< 1300	< 420	< 520	< 1700	< 1700	< 1600	< 1400	< 1500	< 1700	< 1600	< 1400	< 650	< 1300	< 1100	< 1600
4-Nitrophenol	ug/kg	< 3000	< 2700	< 850	< 1000	< 3500	< 3400	< 3200	< 2900	< 3000	< 3400	< 3300	< 2800	< 1300	< 2500	< 2200	< 3200
Acenaphthene	ug/kg	< 150	46	< 42	< 52	< 170	< 170	< 160	< 140	< 150	< 170	< 160	34	69	26	42	< 160
Acenaphthylene	ug/kg	49	47	< 42	< 52	< 170	< 170	< 160	31	39	< 170	38	79	22	69	97	< 160
Anthracene	ug/kg	120	170	11	< 52	< 170	31	34	53	66	50	73	150	120	110	200	57
Benzo(a)anthracene	ug/kg	750	990	43	< 52	190	220	230	320	380	330	440	860	480	750	1200	350
Benzo(a)pyrene	ug/kg	1100	1200	50	< 52	300	360	360	530	610	540	690	1200	530	970	1400	570
Benzo(b)fluoranthene	ug/kg	1500	1700	59	< 52	490	550	560	810	750	850	1000	1500	700	1300	1600	930
Benzo(g,h,i)perylene	ug/kg	830	820	38	< 52	280	320	320	500	590	510	560	970	290	690	930	480
Benzo(k)fluoranthene	ug/kg	590	540	29	< 52	180	220	220	380	430	320	400	700	260	480	730	320
Bis(2-chloroethoxy) methane	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Bis(2-chloroethyl)ether	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Bis(2-chloroisopropyl) ether	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Bis(2-ethylhexyl)phthalate	ug/kg	440	510	< 210	< 260	280	320	300	< 730	840	510	750	670	< 330	260	440	470
Butyl benzyl phthalate	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Carbazole	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	91	< 630	< 560	< 790
Chrysene	ug/kg	1100	1300	52	< 52	320	370	370	560	610	580	720	1200	530	980	1300	520
Dibenzo(a,h)anthracene	ug/kg	240	260	< 42	< 52	50	56	60	57	170	140	80	400	93	190	300	120
Dibenzofuran	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Diethyl phthalate	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Dimethyl phthalate	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Di-n-butyl phthalate	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	180	210	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Di-n-octyl phthalate	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Fluoranthene	ug/kg	2100	2100	94	16	560	660	630	860	1100	890	1200	2100	1100	1700	2200	990
Fluorene	ug/kg	58	72	< 42	< 52	< 170	< 170	< 160	41	38	37	39	66	68	52	79	35
Hexachlorobenzene (C-66)	ug/kg	< 300	< 270	< 85	< 100	< 350	< 340	< 320	< 290	< 300	< 340	< 330	< 280	< 130	< 250	< 220	< 320
Hexachlorobutadiene (C-46)	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3000	< 2700	< 850	< 1000	< 3500	< 3400	< 3200	< 2900	< 3000	< 3400	< 3300	< 2800	< 1300	< 2500	< 2200	< 3200

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 3:15 PM	9/9/2010 4:05 PM	9/10/2010 9:20 AM	9/10/2010 9:45 AM	9/10/2010 10:22 AM	9/10/2010 12:15 PM	9/10/2010 4:25 PM	9/11/2010 10:15 AM	9/12/2010 10:55 AM	9/12/2010 11:05 AM	9/12/2010 2:36 PM	9/12/2010 2:50 PM	9/13/2010 9:15 AM	9/13/2010 9:40 AM	9/13/2010 9:55 AM	9/13/2010 10:26 AM
	Sample	SEE090915 15PML1	SEE090916 05PML1	SEE091009 20JRP1	SEE091009 45RCM1	SEE091010 22PML1	SEE091012 15PML1	SEE091016 25PML1	SEE091110 15PML1	SEE091210 55PML1	SEE091211 05RCM1	SEE091214 36RCM1	SEE091214 50PML1	SEE091309 15JRP1	SEE091309 40PML1	SEE091309 55JRP1	SEE091310 26RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Indeno(1,2,3-c,d)pyrene	ug/kg	750	800	26	< 52	230	260	270	400	520	440	490	900	320	660	910	450
Isophorone	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Naphthalene	ug/kg	< 150	35	< 42	< 52	< 170	< 170	< 160	< 140	35	< 170	< 160	36	110	36	43	40
Nitrobenzene	ug/kg	< 150	< 130	< 42	< 52	< 170	< 170	< 160	< 140	< 150	< 170	< 160	< 140	< 65	< 130	< 110	< 160
n-Nitroso-di-n-propylamine	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
N-Nitrosodiphenylamine	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Pentachlorophenol	ug/kg	< 3000	< 2700	< 850	< 1000	< 3500	< 3400	< 3200	< 2900	< 3000	< 3400	< 3300	< 2800	< 1300	< 2500	< 2200	< 3200
Phenanthrene	ug/kg	610	800	38	< 52	140	160	160	200	280	230	290	570	590	500	630	200
Phenol	ug/kg	< 740	< 670	< 210	< 260	< 880	< 850	< 800	< 730	< 740	< 850	< 810	< 690	< 330	< 630	< 560	< 790
Pyrene	ug/kg	1400	1700	81	< 52	410	510	480	710	770	710	910	1500	890	1300	1900	740
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	88000	200000	17000	63000	260000	220000	190000	210000	210000	170000	180000	140000	40000	230000	160000	240000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	540000	1200000	73000	240000	1500000	1300000	1100000	1200000	1400000	1100000	1300000	1000000	300000	1300000	1200000	1600000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 15000	< 12000	< 2700	< 3600	< 18000	< 17000	< 15000	< 14000	< 16000	< 13000	< 13000	< 14000	< 5800	< 11000	< 12000	< 16000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 3:15 PM	9/9/2010 4:05 PM	9/10/2010 9:20 AM	9/10/2010 9:45 AM	9/10/2010 10:22 AM	9/10/2010 12:15 PM	9/10/2010 4:25 PM	9/11/2010 10:15 AM	9/12/2010 10:55 AM	9/12/2010 11:05 AM	9/12/2010 2:36 PM	9/12/2010 2:50 PM	9/13/2010 9:15 AM	9/13/2010 9:40 AM	9/13/2010 9:55 AM	9/13/2010 10:26 AM
	Sample	SEE090915 15PML1	SEE090916 05PML1	SEE091009 20JRP1	SEE091009 45RCM1	SEE091010 22PML1	SEE091012 15PML1	SEE091016 25PML1	SEE091110 15PML1	SEE091210 55PML1	SEE091211 05RCM1	SEE091214 36RCM1	SEE091214 50PML1	SEE091309 15JRP1	SEE091309 40PML1	SEE091309 55JRP1	SEE091310 26RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 55	< 49	< 10	< 15	< 73	< 76	< 63	< 50	< 60	< 67	< 59	< 56	< 24	< 45	< 47	< 58
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	150	63	< 28	9.1	< 22	38	120
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 3:15 PM	9/9/2010 4:05 PM	9/10/2010 9:20 AM	9/10/2010 9:45 AM	9/10/2010 10:22 AM	9/10/2010 12:15 PM	9/10/2010 4:25 PM	9/11/2010 10:15 AM	9/12/2010 10:55 AM	9/12/2010 11:05 AM	9/12/2010 2:36 PM	9/12/2010 2:50 PM	9/13/2010 9:15 AM	9/13/2010 9:40 AM	9/13/2010 9:55 AM	9/13/2010 10:26 AM
	Sample	SEE090915 15PML1	SEE090916 05PML1	SEE091009 20JRP1	SEE091009 45RCM1	SEE091010 22PML1	SEE091012 15PML1	SEE091016 25PML1	SEE091110 15PML1	SEE091210 55PML1	SEE091211 05RCM1	SEE091214 36RCM1	SEE091214 50PML1	SEE091309 15JRP1	SEE091309 40PML1	SEE091309 55JRP1	SEE091310 26RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 55	< 49	< 10	< 15	< 73	< 76	< 63	< 50	< 60	< 67	< 59	< 56	< 24	< 45	< 47	< 58
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 55	< 49	< 10	< 15	< 73	< 76	< 63	< 50	< 60	< 67	< 59	< 56	< 24	< 45	< 47	< 58
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 3:15 PM	9/9/2010 4:05 PM	9/10/2010 9:20 AM	9/10/2010 9:45 AM	9/10/2010 10:22 AM	9/10/2010 12:15 PM	9/10/2010 4:25 PM	9/11/2010 10:15 AM	9/12/2010 10:55 AM	9/12/2010 11:05 AM	9/12/2010 2:36 PM	9/12/2010 2:50 PM	9/13/2010 9:15 AM	9/13/2010 9:40 AM	9/13/2010 9:55 AM	9/13/2010 10:26 AM
	Sample	SEE090915 15PML1	SEE090916 05PML1	SEE091009 20JRP1	SEE091009 45RCM1	SEE091010 22PML1	SEE091012 15PML1	SEE091016 25PML1	SEE091110 15PML1	SEE091210 55PML1	SEE091211 05RCM1	SEE091214 36RCM1	SEE091214 50PML1	SEE091309 15JRP1	SEE091309 40PML1	SEE091309 55JRP1	SEE091310 26RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 28	< 24	< 5.1	< 7.5	< 36	< 38	< 32	< 25	< 30	< 34	< 30	< 28	< 12	< 22	< 24	< 29
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 55	< 49	< 10	< 15	< 73	< 76	< 63	< 50	< 60	< 67	< 59	< 56	< 24	< 45	< 47	< 58

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 11:25 AM	9/13/2010 2:45 PM	9/13/2010 3:05 PM	9/13/2010 4:20 PM	9/14/2010 9:45 AM	9/14/2010 9:45 AM	9/14/2010 11:35 AM	9/14/2010 1:12 PM	9/14/2010 3:15 PM	9/15/2010 9:15 AM	9/15/2010 10:15 AM	9/15/2010 11:45 AM	9/16/2010 10:35 AM	9/16/2010 10:45 AM	9/17/2010 8:39 AM	9/17/2010 9:35 AM
	Sample	SEE091311 25PML1	SEE091314 45RCM1	SEE091315 05PML1	SEE091316 20PML1	SEE091409 45PML1	SEE091409 45JRP1	SEE091411 35PML1	SEE091413 12RCM1	SEE091415 15PML1	SEE091509 15JRP1	SEE091510 15PML1	SEE091511 45PML1	SEE091610 35RCM1	SEE091610 45PML1	SEE091708 39RCM1	SEE091709 35RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	76	79	79	76	80	30	81	70	79	26	77	78	78	80	79	26
Solids	%	24	21	21	24	20	70	19	30	21	74	23	22	22	20	21	74
Metals																	
Antimony	ug/kg	780	820	900	640	< 4600	< 1400	< 4900	< 3200	550	140	1100	1100	< 4100	< 4800	1300	210
Arsenic	ug/kg	20000	11000	19000	21000	11000	3700	14000	9600	12000	2100	9800	10000	12000	18000	14000	2300
Barium	ug/kg	190000	220000	200000	170000	210000	26000	230000	160000	220000	16000	200000	200000	200000	200000	210000	23000
Beryllium	ug/kg	500	460	490	430	470	140	540	360	490	110	410	430	480	550	620	67
Cadmium	ug/kg	2000	2400	2200	1700	2000	76	2400	1200	2200	< 130	1400	1400	2600	2400	3200	170
Calcium	ug/kg	91000000	170000000	100000000	81000000	160000000	9900000	140000000	140000000	160000000	5000000	190000000	180000000	170000000	100000000	120000000	21000000
Chromium (Total)	ug/kg	87000	110000	93000	66000	87000	12000	110000	74000	100000	12000	83000	80000	120000	98000	120000	7200
Cobalt	ug/kg	8800	5200	7700	8000	5200	2100	6100	4900	5300	1700	4700	4800	5200	7700	6700	1200
Copper	ug/kg	42000	52000	46000	35000	46000	3800	58000	30000	52000	3100	39000	40000	55000	48000	61000	2400
Iron	ug/kg	40000000	26000000	36000000	36000000	27000000	8700000	32000000	17000000	28000000	4700000	22000000	23000000	25000000	37000000	31000000	3500000
Lead	ug/kg	60000	67000	67000	54000	57000	6300	71000	44000	64000	4800	51000	52000	68000	66000	77000	4200
Magnesium	ug/kg	6600000	5500000	7000000	6000000	5400000	1200000	6000000	3800000	5600000	950000	5000000	5200000	5200000	6800000	6200000	700000
Manganese	ug/kg	1500000	1100000	1300000	1500000	1200000	300000	1300000	670000	1200000	100000	1000000	1100000	1000000	1400000	1200000	120000
Mercury (Total)	ug/kg	310	270	310	270	230	26	380	160	240	29	210	240	270	350	360	26
Molybdenum	ug/kg	< 2000	< 2200	< 2300	< 1900	< 2300	190	< 2400	< 1600	< 2300	< 660	< 2200	< 2200	< 2000	< 2400	810	130
Nickel	ug/kg	25000	25000	25000	21000	21000	5400	25000	30000	22000	6400	---	19000	27000	25000	31000	4200
Selenium	ug/kg	1700	1000	1600	1500	750	< 700	1100	860	750	< 660	< 2200	< 2200	550	1400	2700	< 610
Silver	ug/kg	620	1300	790	500	< 1100	< 350	1200	600	1200	< 330	1000	900	1300	880	1300	< 310
Thallium	ug/kg	< 2000	< 2200	< 2300	< 1900	< 2300	< 700	< 2400	< 1600	< 2300	400	< 2200	1200	< 2000	< 2400	< 2200	< 610
Vanadium	ug/kg	16000	15000	15000	14000	15000	6200	16000	10000	15000	3800	12000	12000	15000	17000	16000	4000
Zinc	ug/kg	270000	260000	270000	240000	230000	39000	280000	170000	250000	29000	200000	200000	260000	270000	310000	22000
PCB																	
Aroclor 1016	ug/kg	< 68	< 77	< 78	< 67	< 82	< 23	< 85	< 55	< 77	< 22	< 72	< 74	< 73	< 81	< 75	< 22
Aroclor 1221	ug/kg	< 68	< 77	< 78	< 67	< 82	< 23	< 85	< 55	< 77	< 22	< 72	< 74	< 73	< 81	< 75	< 22
Aroclor 1232	ug/kg	< 68	< 77	< 78	< 67	< 82	< 23	< 85	< 55	< 77	< 22	< 72	< 74	< 73	< 81	< 75	< 22
Aroclor 1242	ug/kg	< 68	< 77	< 78	< 67	< 82	< 23	< 85	< 55	< 77	< 22	< 72	< 74	< 73	< 81	< 75	< 22
Aroclor 1248	ug/kg	< 68	< 77	< 78	< 67	< 82	< 23	< 85	< 55	< 77	< 22	< 72	< 74	< 73	< 81	< 75	< 22
Aroclor 1254	ug/kg	110	200	180	87	130	< 23	160	46	150	21	130	200	250	150	240	14
Aroclor 1260	ug/kg	< 68	< 77	< 78	< 67	< 82	< 23	< 85	< 55	< 77	< 22	< 72	< 74	< 73	< 81	< 75	< 22
Polychlorinated biphenyls (PCBs), total	ug/kg	110	200	180	87	130	< 23	160	46	150	21	130	200	250	150	240	14
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
1,2-Dichlorobenzene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
1,3-Dichlorobenzene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
1,4-Dichlorobenzene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2,4,5-Trichlorophenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
2,4,6-Trichlorophenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
2,4-Dichlorophenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
2,4-Dimethylphenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
2,4-Dinitrophenol	ug/kg	< 2700	< 3100	< 3100	< 2700	< 3100	< 940	< 3400	< 2100	< 3200	< 900	< 2900	< 3000	< 2800	< 3100	< 3000	< 870

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 11:25 AM	9/13/2010 2:45 PM	9/13/2010 3:05 PM	9/13/2010 4:20 PM	9/14/2010 9:45 AM	9/14/2010 9:45 AM	9/14/2010 11:35 AM	9/14/2010 1:12 PM	9/14/2010 3:15 PM	9/15/2010 9:15 AM	9/15/2010 10:15 AM	9/15/2010 11:45 AM	9/16/2010 10:35 AM	9/16/2010 10:45 AM	9/17/2010 8:39 AM	9/17/2010 9:35 AM
	Sample	SEE091311 25PML1	SEE091314 45RCM1	SEE091315 05PML1	SEE091316 20PML1	SEE091409 45PML1	SEE091409 45JRP1	SEE091411 35PML1	SEE091413 12RCM1	SEE091415 15PML1	SEE091509 15JRP1	SEE091510 15PML1	SEE091511 45PML1	SEE091610 35RCM1	SEE091610 45PML1	SEE091708 39RCM1	SEE091709 35RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2,6-Dinitrotoluene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2-Chloronaphthalene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2-Chlorophenol	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2-Methyl-4,6-dinitrophenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
2-Methylnaphthalene	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2-Methylphenol	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2-Nitroaniline	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
2-Nitrophenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
3- And 4- Methylphenol (Total)	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
3,3'-Dichlorobenzidine	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
3-Nitroaniline	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
4-Bromophenyl phenylether	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
4-Chloro-3-methylphenol	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
4-Chloroaniline	ug/kg	< 2700	< 3100	< 3100	< 2700	< 3100	< 940	< 3400	< 2100	< 3200	< 900	< 2900	< 3000	< 2800	< 3100	< 3000	< 870
4-Chlorophenyl phenylether	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
4-Nitroaniline	ug/kg	< 1300	< 1500	< 1500	< 1400	< 1500	< 460	< 1700	< 1100	< 1600	< 440	< 1400	< 1500	< 1400	< 1500	< 1500	< 430
4-Nitrophenol	ug/kg	< 2700	< 3100	< 3100	< 2700	< 3100	< 940	< 3400	< 2100	< 3200	< 900	< 2900	< 3000	< 2800	< 3100	< 3000	< 870
Acenaphthene	ug/kg	35	< 150	< 150	47	< 150	< 46	< 170	< 110	< 160	< 44	< 140	< 150	< 140	36	< 150	< 43
Acenaphthylene	ug/kg	79	< 150	61	130	32	11	38	< 110	37	< 44	< 140	33	30	77	44	< 43
Anthracene	ug/kg	130	46	110	170	55	13	46	25	52	18	< 140	58	53	130	72	< 43
Benzo(a)anthracene	ug/kg	890	260	720	1400	320	98	340	160	360	81	140	350	300	900	400	11
Benzo(a)pyrene	ug/kg	1200	450	1000	1700	560	100	600	240	560	100	260	570	470	1300	510	11
Benzo(b)fluoranthene	ug/kg	1500	670	1300	1400	830	130	940	370	910	110	260	770	790	1900	720	18
Benzo(g,h,i)perylene	ug/kg	830	380	750	960	500	70	530	240	530	57	240	520	480	950	500	< 43
Benzo(k)fluoranthene	ug/kg	650	310	630	1400	420	71	400	150	320	34	300	420	370	610	450	13
Bis(2-chloroethoxy) methane	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Bis(2-chloroethyl)ether	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Bis(2-chloroisopropyl) ether	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Bis(2-ethylhexyl)phthalate	ug/kg	470	360	390	270	< 770	< 230	< 860	140	< 790	< 220	< 730	260	280	420	< 760	< 220
Butyl benzyl phthalate	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Carbazole	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Chrysene	ug/kg	1200	480	1100	1600	580	110	620	240	560	93	210	520	500	1200	530	< 43
Dibenzo(a,h)anthracene	ug/kg	240	42	240	320	120	14	140	50	130	16	53	120	100	250	120	< 43
Dibenzofuran	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Diethyl phthalate	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Dimethyl phthalate	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Di-n-butyl phthalate	ug/kg	< 670	< 770	< 770	< 680	210	< 230	210	< 530	< 790	< 220	< 730	240	< 700	250	220	73
Di-n-octyl phthalate	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Fluoranthene	ug/kg	2000	800	1800	2600	1000	250	1100	500	1100	150	440	960	920	2100	1000	30
Fluorene	ug/kg	66	< 150	62	91	32	< 46	34	< 110	35	11	< 140	34	31	59	34	< 43
Hexachlorobenzene (C-66)	ug/kg	< 270	< 310	< 310	< 270	< 310	< 94	< 340	< 210	< 320	< 90	< 290	< 300	< 280	< 310	< 300	< 87
Hexachlorobutadiene (C-46)	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Hexachlorocyclopentadiene (C-56)	ug/kg	< 2700	< 3100	< 3100	< 2700	< 3100	< 940	< 3400	< 2100	< 3200	< 900	< 2900	< 3000	< 2800	< 3100	< 3000	< 870

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 11:25 AM	9/13/2010 2:45 PM	9/13/2010 3:05 PM	9/13/2010 4:20 PM	9/14/2010 9:45 AM	9/14/2010 9:45 AM	9/14/2010 11:35 AM	9/14/2010 1:12 PM	9/14/2010 3:15 PM	9/15/2010 9:15 AM	9/15/2010 10:15 AM	9/15/2010 11:45 AM	9/16/2010 10:35 AM	9/16/2010 10:45 AM	9/17/2010 8:39 AM	9/17/2010 9:35 AM
	Sample	SEE091311 25PML1	SEE091314 45RCM1	SEE091315 05PML1	SEE091316 20PML1	SEE091409 45PML1	SEE091409 45JRP1	SEE091411 35PML1	SEE091413 12RCM1	SEE091415 15PML1	SEE091509 15JRP1	SEE091510 15PML1	SEE091511 45PML1	SEE091610 35RCM1	SEE091610 45PML1	SEE091708 39RCM1	SEE091709 35RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Indeno(1,2,3-c,d)pyrene	ug/kg	840	330	720	980	450	62	490	200	460	50	200	450	440	890	410	17
Isophorone	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Naphthalene	ug/kg	33	< 150	< 150	43	< 150	< 46	< 170	< 110	< 160	< 44	< 140	< 150	31	35	< 150	< 43
Nitrobenzene	ug/kg	< 130	< 150	< 150	< 140	< 150	< 46	< 170	< 110	< 160	< 44	< 140	< 150	< 140	< 150	< 150	< 43
n-Nitroso-di-n-propylamine	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
N-Nitrosodiphenylamine	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Pentachlorophenol	ug/kg	< 2700	< 3100	< 3100	< 2700	< 3100	< 940	< 3400	< 2100	< 3200	< 900	< 2900	< 3000	< 2800	< 3100	< 3000	< 870
Phenanthrene	ug/kg	600	180	520	830	240	54	240	110	230	75	110	240	190	590	210	< 43
Phenol	ug/kg	< 670	< 770	< 770	< 680	< 770	< 230	< 860	< 530	< 790	< 220	< 730	< 740	< 700	< 780	< 760	< 220
Pyrene	ug/kg	1600	610	1500	2000	770	170	830	370	790	130	340	710	720	1600	830	19
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	230000	170000	220000	190000	200000	19000	140000	210000	290000	15000	160000	140000	69000	200000	140000	88000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	1500000	1100000	1500000	1200000	950000	110000	790000	1000000	1800000	54000	840000	680000	410000	1100000	960000	250000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 13000	< 16000	< 16000	< 13000	< 17000	< 2800	< 19000	< 12000	< 22000	< 2700	< 14000	< 15000	< 12000	< 33000	< 18000	< 3000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 11:25 AM	9/13/2010 2:45 PM	9/13/2010 3:05 PM	9/13/2010 4:20 PM	9/14/2010 9:45 AM	9/14/2010 9:45 AM	9/14/2010 11:35 AM	9/14/2010 1:12 PM	9/14/2010 3:15 PM	9/15/2010 9:15 AM	9/15/2010 10:15 AM	9/15/2010 11:45 AM	9/16/2010 10:35 AM	9/16/2010 10:45 AM	9/17/2010 8:39 AM	9/17/2010 9:35 AM
	Sample	SEE091311 25PML1	SEE091314 45RCM1	SEE091315 05PML1	SEE091316 20PML1	SEE091409 45PML1	SEE091409 45JRP1	SEE091411 35PML1	SEE091413 12RCM1	SEE091415 15PML1	SEE091509 15JRP1	SEE091510 15PML1	SEE091511 45PML1	SEE091610 35RCM1	SEE091610 45PML1	SEE091708 39RCM1	SEE091709 35RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 52	< 61	< 58	< 56	< 66	< 11	< 71	< 20	< 64	< 12	< 55	< 56	< 23	< 61	< 54	< 12
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	< 26	15	< 29	67	< 33	< 5.3	< 36	< 10	49	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	< 26	150	< 29	250	< 33	< 5.3	130	30	190	< 6	< 27	< 28	79	< 31	41	< 6.1
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 11:25 AM	9/13/2010 2:45 PM	9/13/2010 3:05 PM	9/13/2010 4:20 PM	9/14/2010 9:45 AM	9/14/2010 9:45 AM	9/14/2010 11:35 AM	9/14/2010 1:12 PM	9/14/2010 3:15 PM	9/15/2010 9:15 AM	9/15/2010 10:15 AM	9/15/2010 11:45 AM	9/16/2010 10:35 AM	9/16/2010 10:45 AM	9/17/2010 8:39 AM	9/17/2010 9:35 AM
	Sample	SEE091311 25PML1	SEE091314 45RCM1	SEE091315 05PML1	SEE091316 20PML1	SEE091409 45PML1	SEE091409 45JRP1	SEE091411 35PML1	SEE091413 12RCM1	SEE091415 15PML1	SEE091509 15JRP1	SEE091510 15PML1	SEE091511 45PML1	SEE091610 35RCM1	SEE091610 45PML1	SEE091708 39RCM1	SEE091709 35RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 52	< 61	< 58	< 56	< 66	< 11	< 71	< 20	< 64	< 12	< 55	< 56	< 23	< 61	< 54	< 12
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 52	< 61	< 58	< 56	< 66	< 11	< 71	< 20	< 64	< 12	< 55	< 56	< 23	< 61	< 54	< 12
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 11:25 AM	9/13/2010 2:45 PM	9/13/2010 3:05 PM	9/13/2010 4:20 PM	9/14/2010 9:45 AM	9/14/2010 9:45 AM	9/14/2010 11:35 AM	9/14/2010 1:12 PM	9/14/2010 3:15 PM	9/15/2010 9:15 AM	9/15/2010 10:15 AM	9/15/2010 11:45 AM	9/16/2010 10:35 AM	9/16/2010 10:45 AM	9/17/2010 8:39 AM	9/17/2010 9:35 AM
	Sample	SEE091311 25PML1	SEE091314 45RCM1	SEE091315 05PML1	SEE091316 20PML1	SEE091409 45PML1	SEE091409 45JRP1	SEE091411 35PML1	SEE091413 12RCM1	SEE091415 15PML1	SEE091509 15JRP1	SEE091510 15PML1	SEE091511 45PML1	SEE091610 35RCM1	SEE091610 45PML1	SEE091708 39RCM1	SEE091709 35RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 26	< 30	< 29	< 28	< 33	< 5.3	< 36	< 10	< 32	< 6	< 27	< 28	< 11	< 31	< 27	< 6.1
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 52	< 61	< 58	< 56	< 66	< 11	< 71	< 20	< 64	< 12	< 55	< 56	< 23	< 61	< 54	< 12

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 9:45 AM	9/17/2010 11:25 AM	9/17/2010 12:00 PM	9/17/2010 2:15 PM	9/17/2010 2:45 PM	9/17/2010 3:30 PM	9/18/2010 12:35 PM	9/18/2010 5:05 PM	9/19/2010 10:40 AM	9/19/2010 2:45 PM	9/19/2010 3:30 PM	9/20/2010 9:11 AM	9/20/2010 9:45 AM	9/20/2010 11:10 AM	9/20/2010 11:15 AM	9/20/2010 4:45 PM
	Sample	SEE091709 45PML1	SEE091711 25PML1	SEE091712 00ARM1	SEE091714 15PML1	SEE091714 45RCM1	SEE091715 30PML1	SEE091812 35PML1	SEE091817 05PML1	SEE091910 40PML1	SEE091914 45RCM1	SEE091915 30PML1	SEE092009 11RCM1	SEE092009 45PML1	SEE092011 10ARM1	SEE092011 15RCM1	SEE092016 45ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	75	75	33	79	77	74	81	79	78	79	78	32	79	36	77	73
Solids	%	25	25	67	21	23	26	19	21	22	21	22	68	21	64	23	27
Metals																	
Antimony	ug/kg	840	860	180	1200	870	800	1400	770	< 4300	< 4600	< 4300	< 1400	< 4200	< 1400	< 4200	< 3700
Arsenic	ug/kg	17000	19000	4700	19000	11000	25000	13000	11000	11000	14000	10000	2300	9300	6000	11000	16000
Barium	ug/kg	160000	160000	34000	180000	210000	180000	220000	220000	220000	220000	220000	29000	200000	37000	210000	150000
Beryllium	ug/kg	520	530	160	570	490	530	520	450	520	600	480	88	390	150	430	420
Cadmium	ug/kg	2200	2200	330	2500	2500	2000	2400	2000	2300	2600	1800	82	1600	270	2100	1500
Calcium	ug/kg	82000000	79000000	13000000	92000000	180000000	78000000	140000000	160000000	160000000	120000000	190000000	29000000	160000000	31000000	---	78000000
Chromium (Total)	ug/kg	88000	78000	16000	86000	98000	66000	110000	95000	110000	130000	90000	5900	75000	16000	110000	90000
Cobalt	ug/kg	7400	7800	2500	7400	5100	8100	5800	5200	5300	6700	4600	1200	4400	3000	5100	7300
Copper	ug/kg	40000	39000	5600	45000	48000	36000	57000	48000	53000	63000	44000	2300	40000	6700	52000	40000
Iron	ug/kg	32000000	35000000	10000000	33000000	23000000	36000000	31000000	25000000	29000000	33000000	24000000	3500000	22000000	11000000	24000000	31000000
Lead	ug/kg	56000	54000	8300	62000	60000	52000	71000	59000	67000	80000	56000	4200	49000	9100	63000	53000
Magnesium	ug/kg	5700000	5900000	1500000	6600000	5100000	5900000	5900000	5200000	5700000	6400000	5300000	850000	4900000	3900000	5000000	5500000
Manganese	ug/kg	1200000	1300000	370000	1200000	1000000	1400000	1300000	1100000	1200000	1300000	1000000	190000	1000000	460000	1000000	1100000
Mercury (Total)	ug/kg	300	290	42	780	270	310	330	260	290	390	230	< 23	190	38	250	250
Molybdenum	ug/kg	550	560	110	610	660	440	400	380	< 2200	< 2300	< 2100	< 700	880	< 700	< 2100	270
Nickel	ug/kg	24000	23000	6500	24000	24000	21000	25000	23000	23000	31000	21000	3700	18000	7900	27000	25000
Selenium	ug/kg	1800	< 1900	< 730	2900	2000	2000	990	740	1000	1200	640	< 700	510	< 700	520	850
Silver	ug/kg	820	840	110	640	1000	530	1200	1100	1200	1300	1100	< 350	930	100	1200	660
Thallium	ug/kg	< 1800	< 1900	< 730	< 2100	< 2000	< 1800	< 2500	< 2200	< 2200	< 2300	< 2100	< 700	< 2100	< 700	< 2100	< 1800
Vanadium	ug/kg	14000	15000	6800	15000	14000	14000	15000	14000	15000	17000	13000	4200	13000	6200	---	14000
Zinc	ug/kg	250000	260000	50000	270000	250000	250000	280000	230000	260000	310000	210000	19000	180000	49000	240000	230000
PCB																	
Aroclor 1016	ug/kg	< 66	< 64	< 24	< 78	< 72	< 62	< 90	< 77	< 76	< 75	< 74	< 23	< 78	< 25	< 69	< 62
Aroclor 1221	ug/kg	< 66	< 64	< 24	< 78	< 72	< 62	< 90	< 77	< 76	< 75	< 74	< 23	< 78	< 25	< 69	< 62
Aroclor 1232	ug/kg	< 66	< 64	< 24	< 78	< 72	< 62	< 90	< 77	< 76	< 75	< 74	< 23	< 78	< 25	< 69	< 62
Aroclor 1242	ug/kg	< 66	< 64	< 24	< 78	< 72	< 62	< 90	< 77	< 76	< 75	< 74	< 23	< 78	< 25	< 69	< 62
Aroclor 1248	ug/kg	< 66	< 64	< 24	< 78	< 72	< 62	< 90	< 77	< 76	< 75	< 74	< 23	< 78	< 25	< 69	< 62
Aroclor 1254	ug/kg	42	69	16	78	110	66	220	170	250	180	180	33	180	23	250	180
Aroclor 1260	ug/kg	< 66	< 64	< 24	< 78	< 72	< 62	< 90	< 77	< 76	< 75	< 74	< 23	< 78	< 25	< 69	< 62
Polychlorinated biphenyls (PCBs), total	ug/kg	42	69	16	78	110	66	220	170	250	180	180	33	180	23	250	180
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
1,2-Dichlorobenzene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
1,3-Dichlorobenzene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
1,4-Dichlorobenzene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2,4,5-Trichlorophenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
2,4,6-Trichlorophenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
2,4-Dichlorophenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
2,4-Dimethylphenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
2,4-Dinitrophenol	ug/kg	< 2600	< 2600	< 950	< 3100	< 2800	< 2400	< 3500	< 3000	< 3000	< 3100	< 3000	< 930	< 3000	< 990	< 2800	< 2500

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 9:45 AM	9/17/2010 11:25 AM	9/17/2010 12:00 PM	9/17/2010 2:15 PM	9/17/2010 2:45 PM	9/17/2010 3:30 PM	9/18/2010 12:35 PM	9/18/2010 5:05 PM	9/19/2010 10:40 AM	9/19/2010 2:45 PM	9/19/2010 3:30 PM	9/20/2010 9:11 AM	9/20/2010 9:45 AM	9/20/2010 11:10 AM	9/20/2010 11:15 AM	9/20/2010 4:45 PM
	Sample	SEE091709 45PML1	SEE091711 25PML1	SEE091712 00ARM1	SEE091714 15PML1	SEE091714 45RCM1	SEE091715 30PML1	SEE091812 35PML1	SEE091817 05PML1	SEE091910 40PML1	SEE091914 45RCM1	SEE091915 30PML1	SEE092009 11RCM1	SEE092009 45PML1	SEE092011 10ARM1	SEE092011 15RCM1	SEE092016 45ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2,6-Dinitrotoluene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2-Chloronaphthalene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2-Chlorophenol	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2-Methyl-4,6-dinitrophenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
2-Methylnaphthalene	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2-Methylphenol	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2-Nitroaniline	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
2-Nitrophenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
3- And 4- Methylphenol (Total)	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
3,3'-Dichlorobenzidine	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
3-Nitroaniline	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
4-Bromophenyl phenylether	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
4-Chloro-3-methylphenol	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
4-Chloroaniline	ug/kg	< 2600	< 2600	< 950	< 3100	< 2800	< 2400	< 3500	< 3000	< 3000	< 3100	< 3000	< 930	< 3000	< 990	< 2800	< 2500
4-Chlorophenyl phenylether	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
4-Nitroaniline	ug/kg	< 1300	< 1300	< 470	< 1500	< 1400	< 1200	< 1700	< 1500	< 1500	< 1500	< 1500	< 460	< 1500	< 490	< 1400	< 1200
4-Nitrophenol	ug/kg	< 2600	< 2600	< 950	< 3100	< 2800	< 2400	< 3500	< 3000	< 3000	< 3100	< 3000	< 930	< 3000	< 990	< 2800	< 2500
Acenaphthene	ug/kg	< 130	37	< 47	< 150	< 140	40	< 170	< 150	< 150	< 150	< 150	< 46	< 150	< 49	< 140	36
Acenaphthylene	ug/kg	69	110	< 47	82	< 140	110	< 170	< 150	< 150	45	33	< 46	< 150	< 49	< 140	74
Anthracene	ug/kg	110	210	10	120	28	170	68	61	49	79	42	< 46	31	22	41	130
Benzo(a)anthracene	ug/kg	550	1100	60	820	180	990	330	300	310	440	250	< 46	250	100	280	830
Benzo(a)pyrene	ug/kg	810	1300	89	1000	290	1200	470	450	370	680	480	< 46	370	130	390	960
Benzo(b)fluoranthene	ug/kg	1200	1600	120	1400	480	1600	780	700	580	1000	700	< 46	550	190	600	1300
Benzo(g,h,i)perylene	ug/kg	710	1100	82	790	280	910	480	450	310	560	480	15	340	100	350	720
Benzo(k)fluoranthene	ug/kg	420	850	58	660	230	740	310	390	290	440	490	< 46	240	73	270	600
Bis(2-chloroethoxy) methane	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Bis(2-chloroethyl)ether	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Bis(2-chloroisopropyl) ether	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Bis(2-ethylhexyl)phthalate	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	280	320	< 750	< 780	< 740	< 230	< 750	< 250	< 700	830
Butyl benzyl phthalate	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Carbazole	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Chrysene	ug/kg	910	1200	100	1000	340	1100	490	490	380	760	480	< 46	330	160	380	970
Dibenzo(a,h)anthracene	ug/kg	170	170	22	140	48	180	110	100	54	120	94	< 46	61	36	80	190
Dibenzofuran	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Diethyl phthalate	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Dimethyl phthalate	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Di-n-butyl phthalate	ug/kg	160	200	60	180	160	190	< 880	< 750	170	170	190	< 230	140	68	120	160
Di-n-octyl phthalate	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	900
Fluoranthene	ug/kg	1600	2300	160	1900	530	2100	880	870	760	1300	750	< 46	620	260	710	1900
Fluorene	ug/kg	40	73	< 47	54	< 140	68	43	35	< 150	42	32	< 46	< 150	11	< 140	67
Hexachlorobenzene (C-66)	ug/kg	< 260	< 260	< 95	< 310	< 280	< 240	< 350	< 300	< 300	< 310	< 300	< 93	< 300	< 99	< 280	< 250
Hexachlorobutadiene (C-46)	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Hexachlorocyclopentadiene (C-56)	ug/kg	< 2600	< 2600	< 950	< 3100	< 2800	< 2400	< 3500	< 3000	< 3000	< 3100	< 3000	< 930	< 3000	< 990	< 2800	< 2500

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 9:45 AM	9/17/2010 11:25 AM	9/17/2010 12:00 PM	9/17/2010 2:15 PM	9/17/2010 2:45 PM	9/17/2010 3:30 PM	9/18/2010 12:35 PM	9/18/2010 5:05 PM	9/19/2010 10:40 AM	9/19/2010 2:45 PM	9/19/2010 3:30 PM	9/20/2010 9:11 AM	9/20/2010 9:45 AM	9/20/2010 11:10 AM	9/20/2010 11:15 AM	9/20/2010 4:45 PM
	Sample	SEE091709 45PML1	SEE091711 25PML1	SEE091712 00ARM1	SEE091714 15PML1	SEE091714 45RCM1	SEE091715 30PML1	SEE091812 35PML1	SEE091817 05PML1	SEE091910 40PML1	SEE091914 45RCM1	SEE091915 30PML1	SEE092009 11RCM1	SEE092009 45PML1	SEE092011 10ARM1	SEE092011 15RCM1	SEE092016 45ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Indeno(1,2,3-c,d)pyrene	ug/kg	580	860	66	700	250	770	400	390	270	490	400	< 46	270	88	310	650
Isophorone	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Naphthalene	ug/kg	37	52	< 47	< 150	< 140	33	< 170	33	< 150	42	< 150	< 46	< 150	< 49	< 140	38
Nitrobenzene	ug/kg	< 130	< 130	< 47	< 150	< 140	< 120	< 170	< 150	< 150	< 150	< 150	< 46	< 150	< 49	< 140	< 120
n-Nitroso-di-n-propylamine	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
N-Nitrosodiphenylamine	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Pentachlorophenol	ug/kg	< 2600	< 2600	< 950	< 3100	< 2800	< 2400	< 3500	< 3000	< 3000	< 3100	< 3000	< 930	< 3000	< 990	< 2800	< 2500
Phenanthrene	ug/kg	430	650	52	590	120	680	250	230	180	320	200	< 46	150	99	160	520
Phenol	ug/kg	< 660	< 640	< 240	< 770	< 700	< 610	< 880	< 750	< 750	< 780	< 740	< 230	< 750	< 250	< 700	< 610
Pyrene	ug/kg	1200	1700	130	1500	450	1900	730	760	580	1100	560	< 46	470	220	610	1400
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	190000	130000	41000	93000	260000	96000	160000	180000	240000	220000	180000	120000	230000	25000	180000	110000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	1200000	830000	220000	660000	1800000	470000	1100000	1300000	1500000	1400000	1000000	270000	1100000	160000	1000000	870000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 13000	< 12000	< 1700	< 14000	< 10000	< 13000	< 22000	< 11000	< 17000	< 15000	< 8100	< 1800	< 16000	< 3700	< 14000	< 13000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 9:45 AM	9/17/2010 11:25 AM	9/17/2010 12:00 PM	9/17/2010 2:15 PM	9/17/2010 2:45 PM	9/17/2010 3:30 PM	9/18/2010 12:35 PM	9/18/2010 5:05 PM	9/19/2010 10:40 AM	9/19/2010 2:45 PM	9/19/2010 3:30 PM	9/20/2010 9:11 AM	9/20/2010 9:45 AM	9/20/2010 11:10 AM	9/20/2010 11:15 AM	9/20/2010 4:45 PM
	Sample	SEE091709 45PML1	SEE091711 25PML1	SEE091712 00ARM1	SEE091714 15PML1	SEE091714 45RCM1	SEE091715 30PML1	SEE091812 35PML1	SEE091817 05PML1	SEE091910 40PML1	SEE091914 45RCM1	SEE091915 30PML1	SEE092009 11RCM1	SEE092009 45PML1	SEE092011 10ARM1	SEE092011 15RCM1	SEE092016 45ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 49	< 47	< 16	< 55	< 22	< 46	< 73	< 84	< 59	< 37	< 72	< 34	< 120	< 31	< 120	< 97
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	< 24	< 24	15	< 28	14	< 23	< 36	< 42	< 29	28	< 36	< 17	< 60	15	85	< 48
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	< 24	< 24	910	< 28	100	< 23	100	< 42	76	190	< 36	< 17	< 60	62	380	< 48
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 9:45 AM	9/17/2010 11:25 AM	9/17/2010 12:00 PM	9/17/2010 2:15 PM	9/17/2010 2:45 PM	9/17/2010 3:30 PM	9/18/2010 12:35 PM	9/18/2010 5:05 PM	9/19/2010 10:40 AM	9/19/2010 2:45 PM	9/19/2010 3:30 PM	9/20/2010 9:11 AM	9/20/2010 9:45 AM	9/20/2010 11:10 AM	9/20/2010 11:15 AM	9/20/2010 4:45 PM
	Sample	SEE091709 45PML1	SEE091711 25PML1	SEE091712 00ARM1	SEE091714 15PML1	SEE091714 45RCM1	SEE091715 30PML1	SEE091812 35PML1	SEE091817 05PML1	SEE091910 40PML1	SEE091914 45RCM1	SEE091915 30PML1	SEE092009 11RCM1	SEE092009 45PML1	SEE092011 10ARM1	SEE092011 15RCM1	SEE092016 45ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 49	< 47	< 16	< 55	< 22	< 46	< 73	< 84	< 59	< 37	< 72	< 34	< 120	< 31	< 120	< 97
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 49	< 47	< 16	< 55	< 22	< 46	< 73	< 84	< 59	< 37	< 72	< 34	< 120	< 31	< 120	< 97
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 9:45 AM	9/17/2010 11:25 AM	9/17/2010 12:00 PM	9/17/2010 2:15 PM	9/17/2010 2:45 PM	9/17/2010 3:30 PM	9/18/2010 12:35 PM	9/18/2010 5:05 PM	9/19/2010 10:40 AM	9/19/2010 2:45 PM	9/19/2010 3:30 PM	9/20/2010 9:11 AM	9/20/2010 9:45 AM	9/20/2010 11:10 AM	9/20/2010 11:15 AM	9/20/2010 4:45 PM
	Sample	SEE091709 45PML1	SEE091711 25PML1	SEE091712 00ARM1	SEE091714 15PML1	SEE091714 45RCM1	SEE091715 30PML1	SEE091812 35PML1	SEE091817 05PML1	SEE091910 40PML1	SEE091914 45RCM1	SEE091915 30PML1	SEE092009 11RCM1	SEE092009 45PML1	SEE092011 10ARM1	SEE092011 15RCM1	SEE092016 45ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 24	< 24	< 7.9	< 28	< 11	< 23	< 36	< 42	< 29	< 18	< 36	< 17	< 60	< 15	< 58	< 48
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 49	< 47	< 16	< 55	< 22	< 46	< 73	< 84	< 59	< 37	< 72	< 34	< 120	< 31	< 120	< 97

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/21/2010 11:12 AM	9/21/2010 11:20 AM	9/21/2010 11:55 AM	9/21/2010 3:30 PM	9/22/2010 9:35 AM	9/22/2010 10:45 AM	9/22/2010 11:05 AM	9/22/2010 2:40 PM	9/22/2010 4:15 PM	9/23/2010 9:55 AM	9/23/2010 10:35 AM	9/23/2010 11:30 AM	9/23/2010 12:05 PM	9/23/2010 12:10 PM	9/23/2010 4:45 PM	9/25/2010 9:05 AM
	Sample	SEE092111 12RCM1	SEE092111 20ARM1	SEE092111 55JDF1	SEE092115 30JDF1	SEE092209 35RCM1	SEE092210 45ARM1	SEE092211 05JDF1	SEE092214 40JDF1	SEE092216 15JDF1	SEE092309 55RCM1	SEE092310 35ARM1	SEE092311 30ARM1	SEE092312 05RCM1	SEE092312 10JDF1	SEE092316 45JDF1	SEE092509 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	74	33	77	75	79	22	73	77	72	78	26	72	30	79	81	75
Solids	%	26	67	23	25	21	78	27	23	28	22	74	28	70	21	19	25
Metals																	
Antimony	ug/kg	< 3500	< 1500	550	< 3700	1100	150	540	590	480	550	< 1300	520	180	640	< 5100	1100
Arsenic	ug/kg	8900	4500	16000	16000	14000	1700	19000	19000	21000	13000	3300	15000	3500	10000	11000	8600
Barium	ug/kg	180000	32000	190000	150000	210000	13000	170000	190000	170000	210000	25000	160000	40000	210000	210000	210000
Beryllium	ug/kg	350	130	470	410	520	100	470	500	430	520	150	460	230	450	510	420
Cadmium	ug/kg	1800	270	2100	1700	2500	31	1800	2100	1600	2300	29	1700	250	1900	2200	1700
Calcium	ug/kg	150000000	12000000	96000000	84000000	120000000	5300000	83000000	99000000	79000000	170000000	8300000	84000000	24000000	160000000	130000000	190000000
Chromium (Total)	ug/kg	79000	13000	91000	88000	120000	8700	84000	89000	66000	120000	12000	95000	19000	80000	100000	81000
Cobalt	ug/kg	4200	2100	6800	7200	6400	1800	8300	7400	8000	5600	2200	7300	3300	4900	5300	4700
Copper	ug/kg	39000	4600	46000	41000	58000	1900	40000	47000	34000	56000	3500	43000	7000	43000	53000	41000
Iron	ug/kg	20000000	9400000	33000000	32000000	32000000	4700000	37000000	35000000	36000000	27000000	8600000	32000000	9500000	25000000	29000000	20000000
Lead	ug/kg	50000	6500	61000	55000	73000	3200	56000	64000	50000	70000	6100	58000	9300	54000	67000	52000
Magnesium	ug/kg	4400000	1300000	6300000	5600000	6100000	2200000	6100000	7000000	6000000	5700000	1200000	5800000	1700000	5200000	5500000	5400000
Manganese	ug/kg	950000	340000	1300000	1200000	1200000	85000	1400000	1300000	1400000	1000000	290000	1200000	250000	1200000	1200000	820000
Mercury (Total)	ug/kg	210	26	270	260	320	< 20	240	220	180	250	16	270	18	190	270	120
Molybdenum	ug/kg	< 1700	< 730	< 2000	< 1800	< 2300	< 610	< 1700	< 2000	< 1600	1600	72	610	130	800	580	< 2000
Nickel	ug/kg	19000	5400	24000	24000	29000	5700	24000	24000	20000	28000	5800	26000	11000	19000	23000	23000
Selenium	ug/kg	540	320	1100	1100	1700	170	1200	1800	1300	1200	170	1300	220	1200	1400	1400
Silver	ug/kg	850	< 370	670	570	1200	< 310	570	680	520	1300	< 320	610	97	850	1100	790
Thallium	ug/kg	< 1700	< 730	< 2000	< 1800	< 2300	< 610	< 1700	< 2000	< 1600	< 2200	< 640	< 1700	< 690	< 2300	< 2600	< 2000
Vanadium	ug/kg	12000	6500	16000	14000	16000	4400	15000	15000	15000	16000	7100	15000	10000	14000	15000	13000
Zinc	ug/kg	200000	39000	250000	240000	290000	21000	240000	260000	220000	260000	33000	240000	52000	210000	260000	200000
PCB																	
Aroclor 1016	ug/kg	< 60	< 24	< 71	< 65	< 77	< 21	< 62	< 71	< 59	< 74	< 22	< 59	< 23	< 80	< 88	< 68
Aroclor 1221	ug/kg	< 60	< 24	< 71	< 65	< 77	< 21	< 62	< 71	< 59	< 74	< 22	< 59	< 23	< 80	< 88	< 68
Aroclor 1232	ug/kg	< 60	< 24	< 71	< 65	< 77	< 21	< 62	< 71	< 59	< 74	< 22	< 59	< 23	< 80	< 88	< 68
Aroclor 1242	ug/kg	< 60	< 24	< 71	< 65	< 77	< 21	< 62	< 71	< 59	< 74	< 22	< 59	< 23	< 80	< 88	< 68
Aroclor 1248	ug/kg	< 60	< 24	< 71	< 65	< 77	< 21	< 62	< 71	< 59	< 74	< 22	< 59	< 23	< 80	< 88	< 68
Aroclor 1254	ug/kg	< 60	14	140	< 65	98	< 21	90	110	59	340	390	170	20	190	280	210
Aroclor 1260	ug/kg	< 60	< 24	< 71	< 65	< 77	< 21	< 62	< 71	< 59	< 74	< 22	< 59	< 23	< 80	< 88	< 68
Polychlorinated biphenyls (PCBs), total	ug/kg	< 60	14	140	< 65	98	< 21	90	110	59	340	390	170	20	190	280	210
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
1,2-Dichlorobenzene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
1,3-Dichlorobenzene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
1,4-Dichlorobenzene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2,4,5-Trichlorophenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
2,4,6-Trichlorophenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
2,4-Dichlorophenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
2,4-Dimethylphenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
2,4-Dinitrophenol	ug/kg	< 2500	< 990	< 2800	< 2700	< 3100	< 820	< 2400	< 2900	< 2400	< 2900	< 870	< 2300	< 910	< 3200	< 3400	< 2700

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/21/2010 11:12 AM	9/21/2010 11:20 AM	9/21/2010 11:55 AM	9/21/2010 3:30 PM	9/22/2010 9:35 AM	9/22/2010 10:45 AM	9/22/2010 11:05 AM	9/22/2010 2:40 PM	9/22/2010 4:15 PM	9/23/2010 9:55 AM	9/23/2010 10:35 AM	9/23/2010 11:30 AM	9/23/2010 12:05 PM	9/23/2010 12:10 PM	9/23/2010 4:45 PM	9/25/2010 9:05 AM
	Sample	SEE092111 12RCM1	SEE092111 20ARM1	SEE092111 55JDF1	SEE092115 30JDF1	SEE092209 35RCM1	SEE092210 45ARM1	SEE092211 05JDF1	SEE092214 40JDF1	SEE092216 15JDF1	SEE092309 55RCM1	SEE092310 35ARM1	SEE092311 30ARM1	SEE092312 05RCM1	SEE092312 10JDF1	SEE092316 45JDF1	SEE092509 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2,6-Dinitrotoluene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2-Chloronaphthalene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2-Chlorophenol	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2-Methyl-4,6-dinitrophenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
2-Methylnaphthalene	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2-Methylphenol	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2-Nitroaniline	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
2-Nitrophenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
3- And 4- Methylphenol (Total)	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
3,3'-Dichlorobenzidine	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
3-Nitroaniline	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
4-Bromophenyl phenylether	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
4-Chloro-3-methylphenol	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
4-Chloroaniline	ug/kg	< 2500	< 990	< 2800	< 2700	< 3100	< 820	< 2400	< 2900	< 2400	< 2900	< 870	< 2300	< 910	< 3200	< 3400	< 2700
4-Chlorophenyl phenylether	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
4-Nitroaniline	ug/kg	< 1200	< 490	< 1400	< 1300	< 1500	< 400	< 1200	< 1400	< 1200	< 1400	< 430	< 1100	< 450	< 1600	< 1700	< 1300
4-Nitrophenol	ug/kg	< 2500	< 990	< 2800	< 2700	< 3100	< 820	< 2400	< 2900	< 2400	< 2900	< 870	< 2300	< 910	< 3200	< 3400	< 2700
Acenaphthene	ug/kg	< 120	< 49	< 140	31	< 150	< 40	44	32	58	< 140	< 43	27	< 45	< 160	< 170	< 130
Acenaphthylene	ug/kg	< 120	< 49	50	64	< 150	< 40	96	70	140	< 140	< 43	66	< 45	< 160	< 170	< 130
Anthracene	ug/kg	< 120	15	76	84	< 150	< 40	140	92	220	< 140	< 43	82	< 45	< 160	< 170	26
Benzo(a)anthracene	ug/kg	180	53	560	630	320	< 40	1200	820	1400	130	49	670	29	120	190	280
Benzo(a)pyrene	ug/kg	290	69	840	930	450	11	1400	1100	1600	210	70	920	38	190	290	520
Benzo(b)fluoranthene	ug/kg	490	93	1100	1100	700	15	2000	1600	2000	330	91	1200	64	310	390	810
Benzo(g,h,i)perylene	ug/kg	300	53	720	690	440	< 40	1100	950	1300	190	54	670	43	200	280	570
Benzo(k)fluoranthene	ug/kg	220	39	670	780	380	< 40	900	690	1200	130	44	490	35	130	280	400
Bis(2-chloroethoxy) methane	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Bis(2-chloroethyl)ether	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Bis(2-chloroisopropyl) ether	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Bis(2-ethylhexyl)phthalate	ug/kg	150	< 250	310	280	230	< 200	540	330	320	< 730	< 220	200	< 230	< 790	< 860	170
Butyl benzyl phthalate	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Carbazole	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Chrysene	ug/kg	300	67	810	830	470	< 40	1500	1100	1700	180	65	810	46	180	300	350
Dibenzo(a,h)anthracene	ug/kg	120	12	280	290	71	< 40	230	270	480	< 140	17	210	< 45	59	79	86
Dibenzofuran	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Diethyl phthalate	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Dimethyl phthalate	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Di-n-butyl phthalate	ug/kg	< 610	71	< 700	< 670	< 780	< 200	< 600	190	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Di-n-octyl phthalate	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Fluoranthene	ug/kg	570	130	1500	1600	900	20	2500	2000	3000	380	120	1400	84	350	540	710
Fluorene	ug/kg	< 120	< 49	48	50	< 150	< 40	81	52	110	< 140	< 43	43	< 45	< 160	< 170	< 130
Hexachlorobenzene (C-66)	ug/kg	< 250	< 99	< 280	< 270	< 310	< 82	< 240	< 290	< 240	< 290	< 87	< 230	< 91	< 320	< 340	< 270
Hexachlorobutadiene (C-46)	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Hexachlorocyclopentadiene (C-56)	ug/kg	< 2500	< 990	< 2800	< 2700	< 3100	< 820	< 2400	< 2900	< 2400	< 2900	< 870	< 2300	< 910	< 3200	< 3400	< 2700

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/21/2010 11:12 AM	9/21/2010 11:20 AM	9/21/2010 11:55 AM	9/21/2010 3:30 PM	9/22/2010 9:35 AM	9/22/2010 10:45 AM	9/22/2010 11:05 AM	9/22/2010 2:40 PM	9/22/2010 4:15 PM	9/23/2010 9:55 AM	9/23/2010 10:35 AM	9/23/2010 11:30 AM	9/23/2010 12:05 PM	9/23/2010 12:10 PM	9/23/2010 4:45 PM	9/25/2010 9:05 AM
	Sample	SEE092111 12RCM1	SEE092111 20ARM1	SEE092111 55JDF1	SEE092115 30JDF1	SEE092209 35RCM1	SEE092210 45ARM1	SEE092211 05JDF1	SEE092214 40JDF1	SEE092216 15JDF1	SEE092309 55RCM1	SEE092310 35ARM1	SEE092311 30ARM1	SEE092312 05RCM1	SEE092312 10JDF1	SEE092316 45JDF1	SEE092509 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Indeno(1,2,3-c,d)pyrene	ug/kg	270	48	640	640	390	< 40	1100	840	1200	160	47	570	38	170	240	520
Isophorone	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Naphthalene	ug/kg	< 120	< 49	< 140	28	< 150	< 40	35	32	49	< 140	< 43	23	< 45	< 160	< 170	< 130
Nitrobenzene	ug/kg	< 120	< 49	< 140	< 130	< 150	< 40	< 120	< 140	< 120	< 140	< 43	< 110	< 45	< 160	< 170	< 130
n-Nitroso-di-n-propylamine	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
N-Nitrosodiphenylamine	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Pentachlorophenol	ug/kg	< 2500	< 990	< 2800	< 2700	< 3100	< 820	< 2400	< 2900	< 2400	< 2900	< 870	< 2300	< 910	< 3200	< 3400	< 2700
Phenanthrene	ug/kg	140	60	470	520	240	< 40	910	650	1200	80	40	500	21	95	140	200
Phenol	ug/kg	< 610	< 250	< 700	< 670	< 780	< 200	< 600	< 710	< 600	< 730	< 220	< 580	< 230	< 790	< 860	< 670
Pyrene	ug/kg	420	110	1200	1300	720	15	2100	1600	2400	290	86	1100	59	240	390	610
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	110000	26000	140000	150000	130000	6000	150000	110000	150000	110000	14000	72000	34000	96000	26000	220000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	790000	130000	960000	1000000	920000	37000	1100000	870000	1000000	960000	67000	450000	180000	510000	200000	1100000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 11000	< 3600	< 14000	< 12000	< 6900	< 2700	< 11000	< 14000	< 6400	< 7100	< 2800	< 5200	< 1500	< 7600	< 11000	< 11000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/21/2010 11:12 AM	9/21/2010 11:20 AM	9/21/2010 11:55 AM	9/21/2010 3:30 PM	9/22/2010 9:35 AM	9/22/2010 10:45 AM	9/22/2010 11:05 AM	9/22/2010 2:40 PM	9/22/2010 4:15 PM	9/23/2010 9:55 AM	9/23/2010 10:35 AM	9/23/2010 11:30 AM	9/23/2010 12:05 PM	9/23/2010 12:10 PM	9/23/2010 4:45 PM	9/25/2010 9:05 AM
	Sample	SEE092111 12RCM1	SEE092111 20ARM1	SEE092111 55JDF1	SEE092115 30JDF1	SEE092209 35RCM1	SEE092210 45ARM1	SEE092211 05JDF1	SEE092214 40JDF1	SEE092216 15JDF1	SEE092309 55RCM1	SEE092310 35ARM1	SEE092311 30ARM1	SEE092312 05RCM1	SEE092312 10JDF1	SEE092316 45JDF1	SEE092509 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 29	< 15	< 55	< 48	< 50	< 10	< 44	< 54	< 37	< 47	< 16	< 58	< 6.5	< 62	< 63	< 33
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	31	< 7.4	< 28	< 24	41	< 5.2	< 22	< 27	< 18	48	< 7.9	< 29	3.9	< 31	< 32	21
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	120	< 7.4	< 28	< 24	190	< 5.2	< 22	< 27	< 18	220	< 7.9	< 29	16	56	< 32	73
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/21/2010 11:12 AM	9/21/2010 11:20 AM	9/21/2010 11:55 AM	9/21/2010 3:30 PM	9/22/2010 9:35 AM	9/22/2010 10:45 AM	9/22/2010 11:05 AM	9/22/2010 2:40 PM	9/22/2010 4:15 PM	9/23/2010 9:55 AM	9/23/2010 10:35 AM	9/23/2010 11:30 AM	9/23/2010 12:05 PM	9/23/2010 12:10 PM	9/23/2010 4:45 PM	9/25/2010 9:05 AM
	Sample	SEE092111 12RCM1	SEE092111 20ARM1	SEE092111 55JDF1	SEE092115 30JDF1	SEE092209 35RCM1	SEE092210 45ARM1	SEE092211 05JDF1	SEE092214 40JDF1	SEE092216 15JDF1	SEE092309 55RCM1	SEE092310 35ARM1	SEE092311 30ARM1	SEE092312 05RCM1	SEE092312 10JDF1	SEE092316 45JDF1	SEE092509 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 29	< 15	< 55	< 48	< 50	< 10	< 44	< 54	< 37	< 47	< 16	< 58	< 6.5	< 62	< 63	< 33
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 29	< 15	< 55	< 48	< 50	< 10	< 44	< 54	< 37	< 47	< 16	< 58	< 6.5	< 62	< 63	< 33
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/21/2010 11:12 AM	9/21/2010 11:20 AM	9/21/2010 11:55 AM	9/21/2010 3:30 PM	9/22/2010 9:35 AM	9/22/2010 10:45 AM	9/22/2010 11:05 AM	9/22/2010 2:40 PM	9/22/2010 4:15 PM	9/23/2010 9:55 AM	9/23/2010 10:35 AM	9/23/2010 11:30 AM	9/23/2010 12:05 PM	9/23/2010 12:10 PM	9/23/2010 4:45 PM	9/25/2010 9:05 AM
	Sample	SEE092111 12RCM1	SEE092111 20ARM1	SEE092111 55JDF1	SEE092115 30JDF1	SEE092209 35RCM1	SEE092210 45ARM1	SEE092211 05JDF1	SEE092214 40JDF1	SEE092216 15JDF1	SEE092309 55RCM1	SEE092310 35ARM1	SEE092311 30ARM1	SEE092312 05RCM1	SEE092312 10JDF1	SEE092316 45JDF1	SEE092509 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 14	< 7.4	< 28	< 24	< 25	< 5.2	< 22	< 27	< 18	< 24	< 7.9	< 29	< 3.3	< 31	< 32	< 17
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 29	< 15	< 55	< 48	< 50	< 10	< 44	< 54	< 37	< 47	< 16	< 58	< 6.5	< 62	< 63	< 33

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 11:35 AM	9/25/2010 12:35 PM	9/26/2010 9:30 AM	9/26/2010 12:15 PM	9/26/2010 4:25 PM	9/27/2010 10:25 AM	9/27/2010 11:30 AM	9/27/2010 3:00 PM	9/27/2010 3:15 PM	9/28/2010 2:45 PM	9/29/2010 9:15 AM	9/29/2010 9:25 AM	9/29/2010 10:23 AM	9/29/2010 10:35 AM	9/29/2010 11:35 AM	9/29/2010 4:45 PM
	Sample	SEE092511 35JDF1	SEE092512 35ARM1	SEE092609 30RCM1	SEE092612 15JDF1	SEE092616 25JDF1	SEE092710 25ARM1	SEE092711 30JDF1	SEE092715 00ARM1	SEE092715 15JDF1	SEE092814 45RCM1	SEE092909 15MAE1	SEE092909 25JDF1	SEE092910 23RCM1	SEE092910 35JDF1	SEE092911 35JDF1	SEE092916 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
(None)																	
Moisture, percent	%	78	28	78	78	79	72	77	28	73	28	32	73	80	76	65	71
Solids	%	22	72	22	22	21	28	23	72	27	72	68	27	20	24	35	29
Metals																	
Antimony	ug/kg	640	180	650	< 4500	< 4500	< 3500	< 3900	< 1400	< 3700	< 1300	< 1400	< 3600	< 4500	< 4000	< 2700	< 3200
Arsenic	ug/kg	11000	2400	13000	10000	9700	15000	17000	5100	17000	2300	4300	19000	14000	16000	12000	5100
Barium	ug/kg	220000	20000	220000	230000	210000	170000	190000	33000	170000	35000	28000	160000	200000	160000	94000	94000
Beryllium	ug/kg	490	150	550	460	430	510	530	170	510	92	130	430	< 900	400	260	180
Cadmium	ug/kg	2100	25	2400	1900	1700	1900	2100	150	1800	86	150	2200	2500	2800	1100	1000
Calcium	ug/kg	160000000	6700000	120000000	200000000	170000000	88000000	92000000	11000000	88000000	41000000	9600000	83000000	120000000	92000000	48000000	84000000
Chromium (Total)	ug/kg	100000	13000	130000	100000	81000	100000	96000	13000	95000	7300	18000	76000	110000	84000	38000	38000
Cobalt	ug/kg	4900	2100	6600	4900	4700	7600	7400	2400	7800	1100	2300	7900	6500	6900	4500	2600
Copper	ug/kg	52000	2900	60000	47000	42000	44000	46000	4400	42000	2400	4200	39000	56000	43000	20000	19000
Iron	ug/kg	27000000	6100000	32000000	24000000	23000000	33000000	35000000	9100000	35000000	4400000	7200000	37000000	31000000	31000000	21000000	12000000
Lead	ug/kg	65000	5500	78000	60000	53000	60000	62000	5900	59000	4300	7600	55000	70000	58000	29000	25000
Magnesium	ug/kg	5700000	1200000	6300000	5700000	5400000	6200000	6400000	1300000	6100000	990000	980000	6100000	6000000	6300000	3600000	2600000
Manganese	ug/kg	1100000	140000	1200000	1000000	1100000	1200000	1300000	340000	1300000	240000	200000	1400000	1300000	1200000	1100000	580000
Mercury (Total)	ug/kg	220	< 22	330	93	140	420	590	80	720	60	100	400	550	1500	260	240
Molybdenum	ug/kg	< 2200	< 670	700	290	670	< 1700	< 1900	< 690	< 1900	< 660	230	1100	1200	1300	560	260
Nickel	ug/kg	23000	7200	31000	25000	20000	28000	27000	5700	26000	3600	8500	20000	27000	22000	11000	11000
Selenium	ug/kg	1300	300	1800	1200	1100	1200	1600	330	1500	< 660	230	1400	1200	1500	790	410
Silver	ug/kg	1200	< 340	1200	1100	840	1000	790	< 340	570	< 330	< 360	450	1100	2900	340	500
Thallium	ug/kg	< 2200	< 670	< 2200	< 2200	< 2300	< 1700	< 1900	< 690	< 1900	< 660	< 720	< 1800	< 2300	< 2000	470	< 1600
Vanadium	ug/kg	16000	5500	18000	15000	14000	16000	16000	7100	16000	3900	4800	15000	17000	14000	9300	7300
Zinc	ug/kg	250000	32000	300000	220000	200000	260000	260000	39000	250000	18000	44000	250000	280000	250000	130000	110000
PCB																	
Aroclor 1016	ug/kg	< 72	< 22	< 74	< 74	< 76	< 59	< 69	< 23	< 61	< 22	< 24	< 60	< 81	< 64	< 48	< 55
Aroclor 1221	ug/kg	< 72	< 22	< 74	< 74	< 76	< 59	< 69	< 23	< 61	< 22	< 24	< 60	< 81	< 64	< 48	< 55
Aroclor 1232	ug/kg	< 72	< 22	< 74	< 74	< 76	< 59	< 69	< 23	< 61	< 22	< 24	< 60	< 81	< 64	< 48	< 55
Aroclor 1242	ug/kg	< 72	< 22	< 74	< 74	< 76	< 59	< 69	< 23	< 61	< 22	< 24	< 60	< 81	< 64	< 48	< 55
Aroclor 1248	ug/kg	< 72	< 22	< 74	< 74	< 76	< 59	< 69	< 23	< 61	< 22	< 24	< 60	< 81	< 64	< 48	< 55
Aroclor 1254	ug/kg	280	20	420	300	190	220	190	19	140	14	47	140	300	91	72	150
Aroclor 1260	ug/kg	< 72	< 22	< 74	< 74	< 76	< 59	< 69	< 23	< 61	< 22	< 24	< 60	< 81	< 64	< 48	< 55
Polychlorinated biphenyls (PCBs), total	ug/kg	280	20	420	300	190	220	190	19	140	14	47	140	300	91	72	150
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
1,2-Dichlorobenzene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
1,3-Dichlorobenzene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
1,4-Dichlorobenzene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2,4,5-Trichlorophenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
2,4,6-Trichlorophenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
2,4-Dichlorophenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
2,4-Dimethylphenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
2,4-Dinitrophenol	ug/kg	< 3000	< 900	< 2900	< 2900	< 3000	< 2300	< 2700	< 910	< 2400	< 890	< 930	< 2400	< 3200	< 2700	< 1900	< 2200

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 11:35 AM	9/25/2010 12:35 PM	9/26/2010 9:30 AM	9/26/2010 12:15 PM	9/26/2010 4:25 PM	9/27/2010 10:25 AM	9/27/2010 11:30 AM	9/27/2010 3:00 PM	9/27/2010 3:15 PM	9/28/2010 2:45 PM	9/29/2010 9:15 AM	9/29/2010 9:25 AM	9/29/2010 10:23 AM	9/29/2010 10:35 AM	9/29/2010 11:35 AM	9/29/2010 4:45 PM
	Sample	SEE092511 35JDF1	SEE092512 35ARM1	SEE092609 30RCM1	SEE092612 15JDF1	SEE092616 25JDF1	SEE092710 25ARM1	SEE092711 30JDF1	SEE092715 00ARM1	SEE092715 15JDF1	SEE092814 45RCM1	SEE092909 15MAE1	SEE092909 25JDF1	SEE092910 23RCM1	SEE092910 35JDF1	SEE092911 35JDF1	SEE092916 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2,6-Dinitrotoluene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2-Chloronaphthalene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2-Chlorophenol	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2-Methyl-4,6-dinitrophenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
2-Methylnaphthalene	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2-Methylphenol	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2-Nitroaniline	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
2-Nitrophenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
3- And 4- Methylphenol (Total)	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	51	< 600	< 810	< 670	< 460	< 550
3,3'-Dichlorobenzidine	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
3-Nitroaniline	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
4-Bromophenyl phenylether	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
4-Chloro-3-methylphenol	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
4-Chloroaniline	ug/kg	< 3000	< 900	< 2900	< 2900	< 3000	< 2300	< 2700	< 910	< 2400	< 890	< 930	< 2400	< 3200	< 2700	< 1900	< 2200
4-Chlorophenyl phenylether	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
4-Nitroaniline	ug/kg	< 1500	< 440	< 1500	< 1400	< 1500	< 1100	< 1400	< 450	< 1200	< 440	< 460	< 1200	< 1600	< 1300	< 910	< 1100
4-Nitrophenol	ug/kg	< 3000	< 900	< 2900	< 2900	< 3000	< 2300	< 2700	< 910	< 2400	< 890	< 930	< 2400	< 3200	< 2700	< 1900	< 2200
Acenaphthene	ug/kg	< 150	< 44	< 150	< 140	< 150	41	39	< 45	49	< 44	< 46	49	< 160	42	30	< 110
Acenaphthylene	ug/kg	40	< 44	53	43	43	110	100	< 45	100	< 44	21	110	38	83	85	29
Anthracene	ug/kg	48	< 44	67	39	42	150	110	< 45	140	< 44	31	140	35	110	120	30
Benzo(a)anthracene	ug/kg	410	51	490	340	350	1200	1000	87	1000	< 44	150	1200	410	1100	740	240
Benzo(a)pyrene	ug/kg	660	66	650	430	440	1400	1500	120	1300	16	200	1600	720	1400	1100	450
Benzo(b)fluoranthene	ug/kg	1100	72	1100	760	760	1900	2800	160	1900	16	220	2100	1100	2000	1400	770
Benzo(g,h,i)perylene	ug/kg	650	35	650	500	560	580	430	200	1100	21	130	1200	590	1100	740	430
Benzo(k)fluoranthene	ug/kg	400	35	430	370	410	1200	1300	77	860	21	120	1000	450	870	660	360
Bis(2-chloroethoxy) methane	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Bis(2-chloroethyl)ether	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Bis(2-chloroisopropyl) ether	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Bis(2-ethylhexyl)phthalate	ug/kg	340	< 220	320	250	260	410	< 680	66	< 610	< 220	59	400	300	330	280	260
Butyl benzyl phthalate	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Carbazole	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Chrysene	ug/kg	660	52	630	490	490	1400	1500	100	1300	15	170	1400	590	1200	890	410
Dibenzo(a,h)anthracene	ug/kg	180	12	100	82	170	310	190	79	490	< 44	48	490	220	450	330	170
Dibenzofuran	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Diethyl phthalate	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Dimethyl phthalate	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Di-n-butyl phthalate	ug/kg	< 750	< 220	< 730	180	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Di-n-octyl phthalate	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Fluoranthene	ug/kg	1100	61	1200	970	1000	2600	2500	230	2600	28	250	2700	1100	2400	1700	750
Fluorene	ug/kg	42	< 44	48	38	37	78	74	< 45	86	< 44	17	86	37	71	51	30
Hexachlorobenzene (C-66)	ug/kg	< 300	< 90	< 290	< 290	< 300	< 230	< 270	< 91	< 240	< 89	< 93	< 240	< 320	< 270	< 190	< 220
Hexachlorobutadiene (C-46)	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3000	< 900	< 2900	< 2900	< 3000	< 2300	< 2700	< 910	< 2400	< 890	< 930	< 2400	< 3200	< 2700	< 1900	< 2200

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 11:35 AM	9/25/2010 12:35 PM	9/26/2010 9:30 AM	9/26/2010 12:15 PM	9/26/2010 4:25 PM	9/27/2010 10:25 AM	9/27/2010 11:30 AM	9/27/2010 3:00 PM	9/27/2010 3:15 PM	9/28/2010 2:45 PM	9/29/2010 9:15 AM	9/29/2010 9:25 AM	9/29/2010 10:23 AM	9/29/2010 10:35 AM	9/29/2010 11:35 AM	9/29/2010 4:45 PM
	Sample	SEE092511 35JDF1	SEE092512 35ARM1	SEE092609 30RCM1	SEE092612 15JDF1	SEE092616 25JDF1	SEE092710 25ARM1	SEE092711 30JDF1	SEE092715 00ARM1	SEE092715 15JDF1	SEE092814 45RCM1	SEE092909 15MAE1	SEE092909 25JDF1	SEE092910 23RCM1	SEE092910 35JDF1	SEE092911 35JDF1	SEE092916 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Indeno(1,2,3-c,d)pyrene	ug/kg	590	33	560	450	470	630	410	150	1000	17	110	1100	520	970	710	370
Isophorone	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Naphthalene	ug/kg	< 150	< 44	33	29	28	39	39	< 45	43	< 44	24	50	< 160	41	28	< 110
Nitrobenzene	ug/kg	< 150	< 44	< 150	< 140	< 150	< 110	< 140	< 45	< 120	< 44	< 46	< 120	< 160	< 130	< 91	< 110
n-Nitroso-di-n-propylamine	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
N-Nitrosodiphenylamine	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Pentachlorophenol	ug/kg	< 3000	< 900	< 2900	< 2900	< 3000	< 2300	< 2700	< 910	< 2400	< 890	< 930	< 2400	< 3200	< 2700	< 1900	< 2200
Phenanthrene	ug/kg	320	14	320	230	270	820	740	68	910	< 44	130	840	240	700	580	200
Phenol	ug/kg	< 750	< 220	< 730	< 720	< 740	< 570	< 680	< 230	< 610	< 220	< 230	< 600	< 810	< 670	< 460	< 550
Pyrene	ug/kg	900	52	1000	710	740	2200	2000	160	2200	21	230	2000	810	1900	1300	600
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	180000	19000	240000	290000	310000	120000	200000	22000	150000	210000	32000	190000	220000	190000	190000	180000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	1300000	110000	1700000	1800000	1800000	910000	1200000	100000	980000	640000	240000	1300000	1800000	1300000	1200000	1000000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 7100	< 1600	< 12000	< 7400	< 8100	< 13000	< 6000	< 3100	< 5400	< 3300	< 2800	< 9700	< 7600	< 5800	< 8900	< 12000
VOC																	
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 11:35 AM	9/25/2010 12:35 PM	9/26/2010 9:30 AM	9/26/2010 12:15 PM	9/26/2010 4:25 PM	9/27/2010 10:25 AM	9/27/2010 11:30 AM	9/27/2010 3:00 PM	9/27/2010 3:15 PM	9/28/2010 2:45 PM	9/29/2010 9:15 AM	9/29/2010 9:25 AM	9/29/2010 10:23 AM	9/29/2010 10:35 AM	9/29/2010 11:35 AM	9/29/2010 4:45 PM
	Sample	SEE092511 35JDF1	SEE092512 35ARM1	SEE092609 30RCM1	SEE092612 15JDF1	SEE092616 25JDF1	SEE092710 25ARM1	SEE092711 30JDF1	SEE092715 00ARM1	SEE092715 15JDF1	SEE092814 45RCM1	SEE092909 15MAE1	SEE092909 25JDF1	SEE092910 23RCM1	SEE092910 35JDF1	SEE092911 35JDF1	SEE092916 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 55	< 11	< 31	< 57	< 59	< 45	< 51	< 12	< 43	< 13	< 12	< 43	< 21	< 50	< 32	< 39
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	51	< 5.4	39	< 29	< 30	< 23	< 26	< 6.2	< 22	19	< 5.8	< 21	21	< 25	< 16	41
2-Hexanone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Acetone	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/kg	210	< 5.4	160	< 29	< 30	< 23	< 26	< 6.2	< 22	12	< 5.8	< 21	58	< 25	< 16	210
Benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Bromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Bromoform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Bromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Carbon disulfide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Chlorobenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Chloroethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Chloroform	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Chloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 11:35 AM	9/25/2010 12:35 PM	9/26/2010 9:30 AM	9/26/2010 12:15 PM	9/26/2010 4:25 PM	9/27/2010 10:25 AM	9/27/2010 11:30 AM	9/27/2010 3:00 PM	9/27/2010 3:15 PM	9/28/2010 2:45 PM	9/29/2010 9:15 AM	9/29/2010 9:25 AM	9/29/2010 10:23 AM	9/29/2010 10:35 AM	9/29/2010 11:35 AM	9/29/2010 4:45 PM
	Sample	SEE092511 35JDF1	SEE092512 35ARM1	SEE092609 30RCM1	SEE092612 15JDF1	SEE092616 25JDF1	SEE092710 25ARM1	SEE092711 30JDF1	SEE092715 00ARM1	SEE092715 15JDF1	SEE092814 45RCM1	SEE092909 15MAE1	SEE092909 25JDF1	SEE092910 23RCM1	SEE092910 35JDF1	SEE092911 35JDF1	SEE092916 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Dibromomethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Diethyl ether	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Ethylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
m&p-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 55	< 11	< 31	< 57	< 59	< 45	< 51	< 12	< 43	< 13	< 12	< 43	< 21	< 50	< 32	< 39
Methyl Iodide	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 55	< 11	< 31	< 57	< 59	< 45	< 51	< 12	< 43	< 13	< 12	< 43	< 21	< 50	< 32	< 39
Methylene chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Naphthalene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
o-Xylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Styrene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Toluene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Trichloroethylene	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 11:35 AM	9/25/2010 12:35 PM	9/26/2010 9:30 AM	9/26/2010 12:15 PM	9/26/2010 4:25 PM	9/27/2010 10:25 AM	9/27/2010 11:30 AM	9/27/2010 3:00 PM	9/27/2010 3:15 PM	9/28/2010 2:45 PM	9/29/2010 9:15 AM	9/29/2010 9:25 AM	9/29/2010 10:23 AM	9/29/2010 10:35 AM	9/29/2010 11:35 AM	9/29/2010 4:45 PM
	Sample	SEE092511 35JDF1	SEE092512 35ARM1	SEE092609 30RCM1	SEE092612 15JDF1	SEE092616 25JDF1	SEE092710 25ARM1	SEE092711 30JDF1	SEE092715 00ARM1	SEE092715 15JDF1	SEE092814 45RCM1	SEE092909 15MAE1	SEE092909 25JDF1	SEE092910 23RCM1	SEE092910 35JDF1	SEE092911 35JDF1	SEE092916 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Vinyl acetate	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Vinyl chloride	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 27	< 5.4	< 16	< 29	< 30	< 23	< 26	< 6.2	< 22	< 6.5	< 5.8	< 21	< 11	< 25	< 16	< 19
Xylenes	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/kg	< 55	< 11	< 31	< 57	< 59	< 45	< 51	< 12	< 43	< 13	< 12	< 43	< 21	< 50	< 32	< 39

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/30/2010 10:25 AM	9/30/2010 10:45 AM	9/30/2010 11:05 AM	9/30/2010 11:35 AM	9/30/2010 12:05 PM	9/30/2010 12:55 PM	9/30/2010 12:55 PM
	Sample	SEE093010 25MAE1	SEE093010 45WPW1	SEE093011 05JDF1	SEE093011 35WPW1	SEE093012 05RCM1	SEE093012 55JDF1	SEE093012 55MAE1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
(None)								
Moisture, percent	%	22	59	82	25	76	80	72
Solids	%	78	41	18	75	24	20	28
Metals								
Antimony	ug/kg	170	< 2400	< 5700	< 1300	530	< 4800	490
Arsenic	ug/kg	2600	7900	13000	3300	18000	11000	15000
Barium	ug/kg	19000	69000	220000	21000	190000	200000	160000
Beryllium	ug/kg	120	460	520	110	610	450	430
Cadmium	ug/kg	30	1500	2300	65	2000	2000	1500
Calcium	ug/kg	5400000	46000000	140000000	34000000	100000000	140000000	81000000
Chromium (Total)	ug/kg	12000	170000	110000	8600	130000	93000	87000
Cobalt	ug/kg	1800	4100	5800	1900	9000	5000	7100
Copper	ug/kg	2400	140000	56000	2300	48000	47000	38000
Iron	ug/kg	7200000	15000000	31000000	5900000	29000000	27000000	32000000
Lead	ug/kg	4700	110000	69000	3200	68000	59000	52000
Magnesium	ug/kg	920000	4500000	5900000	4400000	4000000	5200000	5800000
Manganese	ug/kg	230000	200000	1300000	380000	1000000	1200000	1200000
Mercury (Total)	ug/kg	43	970	470	68	460	410	390
Molybdenum	ug/kg	< 620	< 1200	< 2800	< 640	< 2100	< 2400	< 1800
Nickel	ug/kg	5100	29000	24000	4800	78000	20000	24000
Selenium	ug/kg	190	1300	1300	< 640	1600	830	1200
Silver	ug/kg	< 310	2200	1200	< 320	790	1000	530
Thallium	ug/kg	< 620	< 1200	< 2800	< 640	< 2100	< 2400	< 1800
Vanadium	ug/kg	5900	14000	16000	5400	16000	15000	15000
Zinc	ug/kg	30000	260000	270000	21000	320000	230000	230000
PCB								
Aroclor 1016	ug/kg	< 21	< 190	< 93	< 21	< 69	< 82	< 59
Aroclor 1221	ug/kg	< 21	< 190	< 93	< 21	< 69	< 82	< 59
Aroclor 1232	ug/kg	< 21	< 190	< 93	< 21	< 69	< 82	< 59
Aroclor 1242	ug/kg	< 21	< 190	< 93	< 21	< 69	< 82	< 59
Aroclor 1248	ug/kg	< 21	< 190	< 93	< 21	< 69	< 82	< 59
Aroclor 1254	ug/kg	11	2100	350	23	500	280	210
Aroclor 1260	ug/kg	< 21	< 190	< 93	< 21	< 69	< 82	< 59
Polychlorinated biphenyls (PCBs), total	ug/kg	11	2100	350	23	500	280	210
PNA								
1,2,4-Trichlorobenzene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
1,2-Dichlorobenzene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
1,3-Dichlorobenzene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
1,4-Dichlorobenzene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2,4,5-Trichlorophenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
2,4,6-Trichlorophenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
2,4-Dichlorophenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
2,4-Dimethylphenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
2,4-Dinitrophenol	ug/kg	< 810	< 1600	< 3600	< 860	< 2800	< 3400	< 2400

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/30/2010 10:25 AM	9/30/2010 10:45 AM	9/30/2010 11:05 AM	9/30/2010 11:35 AM	9/30/2010 12:05 PM	9/30/2010 12:55 PM	9/30/2010 12:55 PM
	Sample	SEE093010 25MAE1	SEE093010 45WPW1	SEE093011 05JDF1	SEE093011 35WPW1	SEE093012 05RCM1	SEE093012 55JDF1	SEE093012 55MAE1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
2,4-Dinitrotoluene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2,6-Dinitrotoluene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2-Chloronaphthalene	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2-Chlorophenol	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2-Methyl-4,6-dinitrophenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
2-Methylnaphthalene	ug/kg	< 200	64	< 910	< 210	< 700	< 840	< 590
2-Methylphenol	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2-Nitroaniline	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
2-Nitrophenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
3- And 4- Methylphenol (Total)	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
3,3'-Dichlorobenzidine	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
3-Nitroaniline	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
4-Bromophenyl phenylether	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
4-Chloro-3-methylphenol	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
4-Chloroaniline	ug/kg	< 810	< 1600	< 3600	< 860	< 2800	< 3400	< 2400
4-Chlorophenyl phenylether	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
4-Nitroaniline	ug/kg	< 400	< 790	< 1800	< 420	< 1400	< 1700	< 1200
4-Nitrophenol	ug/kg	< 810	< 1600	< 3600	< 860	< 2800	< 3400	< 2400
Acenaphthene	ug/kg	< 40	35	< 180	< 42	< 140	< 170	55
Acenaphthylene	ug/kg	< 40	220	61	< 42	< 140	53	110
Anthracene	ug/kg	8.2	220	95	< 42	< 140	68	170
Benzo(a)anthracene	ug/kg	55	1100	590	26	150	570	1100
Benzo(a)pyrene	ug/kg	80	1400	960	34	260	940	1500
Benzo(b)fluoranthene	ug/kg	110	1500	1700	53	360	1400	2100
Benzo(g,h,i)perylene	ug/kg	78	1100	870	33	230	990	1300
Benzo(k)fluoranthene	ug/kg	54	700	610	17	340	700	880
Bis(2-chloroethoxy) methane	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Bis(2-chloroethyl)ether	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Bis(2-chloroisopropyl) ether	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Bis(2-ethylhexyl)phthalate	ug/kg	66	< 400	520	< 210	< 700	440	410
Butyl benzyl phthalate	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Carbazole	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Chrysene	ug/kg	67	950	820	29	260	790	1300
Dibenzo(a,h)anthracene	ug/kg	18	250	210	< 42	93	270	260
Dibenzofuran	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Diethyl phthalate	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Dimethyl phthalate	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Di-n-butyl phthalate	ug/kg	56	140	< 910	59	94	240	160
Di-n-octyl phthalate	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Fluoranthene	ug/kg	130	1300	1500	67	580	1400	2200
Fluorene	ug/kg	< 40	81	56	< 42	< 140	59	89
Hexachlorobenzene (C-66)	ug/kg	< 81	< 160	< 360	< 86	< 280	< 340	< 240
Hexachlorobutadiene (C-46)	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Hexachlorocyclopentadiene (C-56)	ug/kg	< 810	< 1600	< 3600	< 860	< 2800	< 3400	< 2400

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/30/2010 10:25 AM	9/30/2010 10:45 AM	9/30/2010 11:05 AM	9/30/2010 11:35 AM	9/30/2010 12:05 PM	9/30/2010 12:55 PM	9/30/2010 12:55 PM
	Sample	SEE093010 25MAE1	SEE093010 45WPW1	SEE093011 05JDF1	SEE093011 35WPW1	SEE093012 05RCM1	SEE093012 55JDF1	SEE093012 55MAE1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
Hexachloroethane	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Indeno(1,2,3-c,d)pyrene	ug/kg	60	860	770	26	200	840	1100
Isophorone	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Naphthalene	ug/kg	< 40	67	47	< 42	< 140	47	44
Nitrobenzene	ug/kg	< 40	< 79	< 180	< 42	< 140	< 170	< 120
n-Nitroso-di-n-propylamine	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
N-Nitrosodiphenylamine	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Pentachlorophenol	ug/kg	< 810	< 1600	< 3600	< 860	< 2800	< 3400	< 2400
Phenanthrene	ug/kg	48	560	410	20	86	360	810
Phenol	ug/kg	< 200	< 400	< 910	< 210	< 700	< 840	< 590
Pyrene	ug/kg	110	1700	1400	60	430	1300	2200
TPH								
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	16000	130000	230000	13000	160000	250000	150000
Gasoline Range Organics (C6-C10)	mg/kg	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	100000	1600000	1800000	110000	1400000	1900000	1200000
Oil Range Organics (C20-C40)	mg/kg	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 2400	< 4300	< 9300	< 1500	< 6200	< 18000	< 9100
VOC								
1,1,1,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---
1,1,1,2-Tetrachloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,1,1-Trichloroethane	mg/kg	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,1,2,2-Tetrachloroethane	mg/kg	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,1,2-Trichloroethane	mg/kg	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,1-Dichloroethane	mg/kg	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,1-Dichloroethylene	mg/kg	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,2,3-Trichloropropane	mg/kg	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,2,4-Trichlorobenzene	mg/kg	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,2,4-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,2-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,2-Dichloroethane	mg/kg	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,2-Dichloropropane	mg/kg	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/30/2010 10:25 AM	9/30/2010 10:45 AM	9/30/2010 11:05 AM	9/30/2010 11:35 AM	9/30/2010 12:05 PM	9/30/2010 12:55 PM	9/30/2010 12:55 PM
	Sample	SEE093010 25MAE1	SEE093010 45WPW1	SEE093011 05JDF1	SEE093011 35WPW1	SEE093012 05RCM1	SEE093012 55JDF1	SEE093012 55MAE1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloropropane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,3,5-Trimethylbenzene	mg/kg	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,3-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,3-Dichloropropene, cis	mg/kg	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,3-Dichloropropene, trans	mg/kg	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
1,4-Dichloro-2-butene, trans	mg/kg	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/kg	< 10	< 34	< 84	< 11	< 64	< 65	< 37
1,4-Dichlorobenzene	mg/kg	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
2-Butanone (MEK)	mg/kg	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/kg	< 5	< 17	< 42	< 5.5	90	42	< 19
2-Hexanone	mg/kg	---	---	---	---	---	---	---
2-Hexanone	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
2-Methylnaphthalene	mg/kg	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
4-Methyl-2-pentanone (MIBK)	mg/kg	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Acetone	mg/kg	---	---	---	---	---	---	---
Acetone	ug/kg	< 5	< 17	110	11	290	120	< 19
Benzene	mg/kg	---	---	---	---	---	---	---
Benzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Bromochloromethane	mg/kg	---	---	---	---	---	---	---
Bromochloromethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Bromodichloromethane	mg/kg	---	---	---	---	---	---	---
Bromodichloromethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Bromoform	mg/kg	---	---	---	---	---	---	---
Bromoform	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Bromomethane	mg/kg	---	---	---	---	---	---	---
Bromomethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Carbon disulfide	mg/kg	---	---	---	---	---	---	---
Carbon disulfide	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Carbon tetrachloride	mg/kg	---	---	---	---	---	---	---
Carbon tetrachloride	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Chlorobenzene	mg/kg	---	---	---	---	---	---	---
Chlorobenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Chloroethane	mg/kg	---	---	---	---	---	---	---
Chloroethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Chloroform	mg/kg	---	---	---	---	---	---	---
Chloroform	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Chloromethane	mg/kg	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/30/2010 10:25 AM	9/30/2010 10:45 AM	9/30/2010 11:05 AM	9/30/2010 11:35 AM	9/30/2010 12:05 PM	9/30/2010 12:55 PM	9/30/2010 12:55 PM
	Sample	SEE093010 25MAE1	SEE093010 45WPW1	SEE093011 05JDF1	SEE093011 35WPW1	SEE093012 05RCM1	SEE093012 55JDF1	SEE093012 55MAE1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
Chloromethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
cis-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Dibromochloromethane	mg/kg	---	---	---	---	---	---	---
Dibromochloromethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Dibromochloropropane	mg/kg	---	---	---	---	---	---	---
Dibromochloropropane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Dibromomethane	mg/kg	---	---	---	---	---	---	---
Dibromomethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Dichlorodifluoromethane	mg/kg	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Diethyl ether	mg/kg	---	---	---	---	---	---	---
Diethyl ether	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Ethylbenzene	mg/kg	---	---	---	---	---	---	---
Ethylbenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Ethylene dibromide	mg/kg	---	---	---	---	---	---	---
Ethylene dibromide	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Isopropyl benzene	mg/kg	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
m&p-Xylene	mg/kg	---	---	---	---	---	---	---
m&p-Xylene	ug/kg	< 10	< 34	< 84	< 11	< 64	< 65	< 37
Methyl Iodide	mg/kg	---	---	---	---	---	---	---
Methyl Iodide	ug/kg	< 10	< 34	< 84	< 11	< 64	< 65	< 37
Methylene chloride	mg/kg	---	---	---	---	---	---	---
Methylene chloride	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Methyl-tert-butyl ether (MTBE)	mg/kg	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Naphthalene	mg/kg	---	---	---	---	---	---	---
Naphthalene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
n-Propylbenzene	mg/kg	---	---	---	---	---	---	---
n-Propylbenzene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
o-Xylene	mg/kg	---	---	---	---	---	---	---
o-Xylene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Styrene	mg/kg	---	---	---	---	---	---	---
Styrene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Tetrachloroethylene	mg/kg	---	---	---	---	---	---	---
Tetrachloroethylene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Toluene	mg/kg	---	---	---	---	---	---	---
Toluene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
trans-1,2-Dichloroethylene	mg/kg	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Trichloroethylene	mg/kg	---	---	---	---	---	---	---
Trichloroethylene	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Trichlorofluoromethane	mg/kg	---	---	---	---	---	---	---

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/30/2010 10:25 AM	9/30/2010 10:45 AM	9/30/2010 11:05 AM	9/30/2010 11:35 AM	9/30/2010 12:05 PM	9/30/2010 12:55 PM	9/30/2010 12:55 PM
	Sample	SEE093010 25MAE1	SEE093010 45WPW1	SEE093011 05JDF1	SEE093011 35WPW1	SEE093012 05RCM1	SEE093012 55JDF1	SEE093012 55MAE1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result
Trichlorofluoromethane	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Vinyl acetate	mg/kg	---	---	---	---	---	---	---
Vinyl acetate	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Vinyl chloride	mg/kg	---	---	---	---	---	---	---
Vinyl chloride	ug/kg	< 5	< 17	< 42	< 5.5	< 32	< 32	< 19
Xylenes	mg/kg	---	---	---	---	---	---	---
Xylenes	ug/kg	< 10	< 34	< 84	< 11	< 64	< 65	< 37

Table 3-b. Morrow Lake Sediment Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	10/1/2010 10:43 AM	10/1/2010 11:20 AM	10/1/2010 11:25 AM	10/3/2010 11:15 AM	10/3/2010 2:25 PM	10/4/2010 9:45 AM	10/4/2010 10:45 AM	10/4/2010 10:50 AM	10/4/2010 11:38 AM	10/4/2010 11:50 AM	10/4/2010 1:35 PM	10/4/2010 1:55 PM	10/4/2010 3:30 PM
	Sample			SEE100110 43RCM1	SEE100111 20JDF1	SEE100111 25ARM1	SEE100311 15JDF1	SEE100314 25JDF1	SEE100409 45JDF1	SEE100410 45ARM1	SEE100410 50JDF1	SEE100411 38RCM1	SEE100411 50JDF1	SEE100413 35JDF1	SEE100413 55ARM1	SEE100415 30JDF1
Analyte	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																
Antimony	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	NCE	NCE	260	440	190	< 4300	< 3900	1100	200	540	< 4500	550	400	370	< 4700
Arsenic	mg/kg	33	9.79	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	33000	9790	2200	10000	7700	10000	16000	16000	2200	18000	14000	15000	20000	12000	9700
Barium	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/kg	NCE	NCE	16000	230000	46000	210000	190000	150000	16000	170000	190000	160000	150000	130000	210000
Beryllium	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	NCE	NCE	80	430	220	400	520	430	120	430	470	420	340	390	400
Cadmium	mg/kg	4.98	0.99	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	4980	990	44	1900	370	1900	2200	1500	24	1600	2300	1700	1300	1900	1800
Calcium	ug/kg	NCE	NCE	13000000	200000000	51000000	180000000	100000000	83000000	3700000	82000000	160000000	89000000	64000000	72000000	170000000
Chromium (Total)	mg/kg	NCE	43.4	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	NCE	43400	5300	92000	24000	79000	110000	92000	11000	77000	130000	78000	54000	89000	79000
Cobalt	mg/kg	NCE	50	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	NCE	50000	1100	4900	4500	4700	7800	7400	1500	7600	5600	6400	7100	6500	4800
Copper	mg/kg	149	31.6	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/kg	149000	31600	1500	47000	8500	42000	50000	39000	2700	38000	57000	41000	29000	36000	42000
Iron	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/kg	NCE	NCE	3700000	24000000	16000000	24000000	36000000	32000000	5800000	36000000	26000000	30000000	30000000	27000000	24000000
Lead	mg/kg	128	35.8	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/kg	128000	35800	3000	58000	12000	53000	68000	54000	4400	57000	73000	58000	45000	48000	53000
Magnesium	ug/kg	NCE	NCE	660000	5600000	5100000	5400000	6900000	5700000	680000	6000000	5200000	6100000	4800000	5000000	5300000
Manganese	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	NCE	NCE	99000	1100000	620000	1200000	1400000	1200000	160000	1400000	920000	1100000	1200000	920000	1200000
Mercury (Total)	mg/kg	1.06	0.174	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	1060	174	29	250	89	150	220	290	26	270	290	330	240	260	210
Molybdenum	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/kg	NCE	NCE	< 630	< 2000	< 740	< 2200	< 2000	1200	120	380	1600	510	560	360	400
Nickel	mg/kg	48.6	22.7	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	48600	22700	3200	22000	15000	19000	29000	26000	5200	21000	31000	21000	19000	25000	19000
Selenium	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	NCE	NCE	< 630	1100	400	1100	1900	1400	230	1600	1500	1300	1600	1500	750
Silver	mg/kg	NCE	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/kg	NCE	500	86	1100	160	880	770	680	< 330	440	1300	560	330	530	790
Thallium	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	NCE	NCE	< 630	< 2000	< 740	< 2200	< 2000	< 1800	< 650	< 1800	< 2300	< 2000	< 1700	< 1400	< 2400
Vanadium	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/kg	NCE	NCE	4300	13000	10000	12000	16000	14000	4900	15000	14000	14000	11000	13000	13000
Zinc	mg/kg	459	121	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	459000	121000	12000	220000	72000	210000	290000	240000	28000	240000	270000	230000	190000	220000	210000
PCB																
Aroclor 1016	ug/kg	NCE	NCE	< 21	< 73	< 25	< 79	< 68	< 56	< 21	< 56	< 76	< 69	< 58	< 50	< 79
Aroclor 1221	ug/kg	NCE	NCE	< 21	< 73	< 25	< 79	< 68	< 56	< 21	< 56	< 76	< 69	< 58	< 50	< 79
Aroclor 1232	ug/kg	NCE	NCE	< 21	< 73	< 25	< 79	< 68	< 56	< 21	< 56	< 76	< 69	< 58	< 50	< 79

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	10/1/2010 10:43 AM	10/1/2010 11:20 AM	10/1/2010 11:25 AM	10/3/2010 11:15 AM	10/3/2010 2:25 PM	10/4/2010 9:45 AM	10/4/2010 10:45 AM	10/4/2010 10:50 AM	10/4/2010 11:38 AM	10/4/2010 11:50 AM	10/4/2010 1:35 PM	10/4/2010 1:55 PM	10/4/2010 3:30 PM
	Sample			SEE100110 43RCM1	SEE100111 20JDF1	SEE100111 25ARM1	SEE100311 15JDF1	SEE100314 25JDF1	SEE100409 45JDF1	SEE100410 45ARM1	SEE100410 50JDF1	SEE100411 38RCM1	SEE100411 50JDF1	SEE100413 35JDF1	SEE100413 55ARM1	SEE100415 30JDF1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Aroclor 1242	ug/kg	NCE	NCE	< 21	< 73	< 25	< 79	< 68	< 56	< 21	< 56	< 76	< 69	< 58	< 50	< 79
Aroclor 1248	ug/kg	NCE	NCE	< 21	< 73	< 25	< 79	< 68	< 56	< 21	< 56	< 76	< 69	< 58	< 50	< 79
Aroclor 1254	ug/kg	NCE	NCE	7	250	11	160	100	130	25	160	400	260	220	180	230
Aroclor 1260	ug/kg	NCE	NCE	< 21	< 73	< 25	< 79	< 68	< 56	< 21	< 56	< 76	< 69	< 58	< 50	< 79
Polychlorinated biphenyls (PCBs), total PNA	ug/kg	NCE	NCE	7	250	11	160	100	130	25	160	400	260	220	180	230
1,2,4-Trichlorobenzene	ug/kg	NCE	5062	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
1,2-Dichlorobenzene	ug/kg	NCE	294	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
1,3-Dichlorobenzene	ug/kg	NCE	1315	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
1,4-Dichlorobenzene	ug/kg	NCE	318	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2,4,5-Trichlorophenol	ug/kg	NCE	NCE	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
2,4,6-Trichlorophenol	ug/kg	NCE	208	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
2,4-Dichlorophenol	ug/kg	NCE	81.7	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
2,4-Dimethylphenol	ug/kg	NCE	304	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
2,4-Dinitrophenol	ug/kg	NCE	6.21	< 870	< 2900	< 1000	< 3100	< 2700	< 2300	< 880	< 2300	< 3000	< 2800	< 2300	< 1900	< 3200
2,4-Dinitrotoluene	ug/kg	NCE	14.4	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2,6-Dinitrotoluene	ug/kg	NCE	39.8	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2-Chloronaphthalene	ug/kg	NCE	417	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2-Chlorophenol	ug/kg	NCE	31.9	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2-Methyl-4,6-dinitrophenol	ug/kg	NCE	104	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
2-Methylnaphthalene	ug/kg	NCE	20.2	< 220	< 730	< 250	< 770	< 670	47	< 220	< 580	< 750	< 690	48	< 480	< 800
2-Methylphenol	ug/kg	NCE	55.4	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2-Nitroaniline	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
2-Nitrophenol	ug/kg	NCE	NCE	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
3- And 4- Methylphenol (Total)	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	130	< 480	< 800
3,3'-Dichlorobenzidine	ug/kg	NCE	127	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
3-Nitroaniline	ug/kg	NCE	NCE	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
4-Bromophenyl phenylether	ug/kg	NCE	1550	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
4-Chloro-3-methylphenol	ug/kg	NCE	388	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
4-Chloroaniline	ug/kg	NCE	146	< 870	< 2900	< 1000	< 3100	< 2700	< 2300	< 880	< 2300	< 3000	< 2800	< 2300	< 1900	< 3200
4-Chlorophenyl phenylether	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
4-Methylphenol	ug/kg	NCE	20.2	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	ug/kg	NCE	NCE	< 430	< 1400	< 500	< 1500	< 1300	< 1100	< 430	< 1100	< 1500	< 1400	< 1100	< 960	< 1600
4-Nitrophenol	ug/kg	NCE	13.3	< 870	< 2900	< 1000	< 3100	< 2700	< 2300	< 880	< 2300	< 3000	< 2800	< 2300	< 1900	< 3200
Acenaphthene	ug/kg	NCE	6.71	< 43	< 140	< 50	< 150	55	55	< 43	42	< 150	55	69	48	< 160
Acenaphthylene	ug/kg	NCE	5.87	< 43	41	12	51	260	130	< 43	110	38	120	280	110	58
Anthracene	ug/kg	845	57.2	< 43	67	25	81	280	160	< 43	190	65	230	300	160	77
Benzo(a)anthracene	ug/kg	1050	108	< 43	350	130	460	2100	1300	37	1000	350	1400	2400	990	420
Benzo(a)pyrene	ug/kg	1450	150	9.9	510	150	630	2500	1700	51	1400	560	1700	2500	1300	640
Benzo(b)fluoranthene	ug/kg	NCE	10400	17	900	230	1100	3000	2400	65	2000	1000	2600	3000	2000	1300
Benzo(g,h,i)perylene	ug/kg	NCE	170	< 43	570	120	620	1600	1400	40	1100	490	1400	1700	980	590
Benzo(k)fluoranthene	ug/kg	NCE	240	< 43	350	87	410	1200	1200	36	820	470	950	1500	740	350
Bis(2-chloroethoxy) methane	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Bis(2-chloroethyl)ether	ug/kg	NCE	3520	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Bis(2-chloroisopropyl) ether	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	10/1/2010 10:43 AM	10/1/2010 11:20 AM	10/1/2010 11:25 AM	10/3/2010 11:15 AM	10/3/2010 2:25 PM	10/4/2010 9:45 AM	10/4/2010 10:45 AM	10/4/2010 10:50 AM	10/4/2010 11:38 AM	10/4/2010 11:50 AM	10/4/2010 1:35 PM	10/4/2010 1:55 PM	10/4/2010 3:30 PM
	Sample			SEE100110 43RCM1	SEE100111 20JDF1	SEE100111 25ARM1	SEE100311 15JDF1	SEE100314 25JDF1	SEE100409 45JDF1	SEE100410 45ARM1	SEE100410 50JDF1	SEE100411 38RCM1	SEE100411 50JDF1	SEE100413 35JDF1	SEE100413 55ARM1	SEE100415 30JDF1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Bis(2-ethylhexyl)phthalate	ug/kg	NCE	182	< 220	290	< 250	380	650	490	< 220	580	330	800	510	450	380
Butyl benzyl phthalate	ug/kg	NCE	1970	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Carbazole	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Chrysene	ug/kg	1290	166	< 43	500	160	660	2100	1600	45	1200	500	1600	2300	1200	630
Dibenzo(a,h)anthracene	ug/kg	NCE	33	< 43	99	30	170	390	360	< 43	300	100	290	380	190	160
Dibenzofuran	ug/kg	NCE	449	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Diethyl phthalate	ug/kg	NCE	295	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Dimethyl phthalate	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Di-n-butyl phthalate	ug/kg	NCE	1114	59	< 730	< 250	< 770	< 670	160	56	< 580	220	230	170	170	220
Di-n-octyl phthalate	ug/kg	NCE	40600	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Fluoranthene	ug/kg	2230	423	19	940	310	1100	3500	2900	69	2500	970	3200	3600	2300	1200
Fluorene	ug/kg	536	77.4	< 43	46	11	48	120	110	< 43	84	40	120	130	100	56
Hexachlorobenzene (C-66)	ug/kg	NCE	20	< 87	< 290	< 100	< 310	< 270	< 230	< 88	< 230	< 300	< 280	< 230	< 190	< 320
Hexachlorobutadiene (C-46)	ug/kg	NCE	26.5	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Hexachlorocyclopentadiene (C-56)	ug/kg	NCE	901	< 870	< 2900	< 1000	< 3100	< 2700	< 2300	< 880	< 2300	< 3000	< 2800	< 2300	< 1900	< 3200
Hexachloroethane	ug/kg	NCE	584	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Indeno(1,2,3-c,d)pyrene	ug/kg	NCE	200	< 43	460	110	550	1500	1200	34	970	470	1200	1600	890	550
Isophorone	ug/kg	NCE	432	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Naphthalene	ug/kg	561	176	< 43	< 140	< 50	29	74	54	< 43	41	< 150	43	48	44	< 160
Nitrobenzene	ug/kg	NCE	145	< 43	< 140	< 50	< 150	< 130	< 110	< 43	< 110	< 150	< 140	< 110	< 96	< 160
n-Nitroso-di-n-propylamine	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
N-Nitrosodiphenylamine	ug/kg	NCE	NCE	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Pentachlorophenol	ug/kg	NCE	23000	< 870	< 2900	< 1000	< 3100	< 2700	< 2300	< 880	< 2300	< 3000	< 2800	< 2300	< 1900	< 3200
Phenanthrene	ug/kg	1170	204	< 43	240	100	290	950	920	21	880	210	1100	1000	670	270
Phenol	ug/kg	NCE	49.1	< 220	< 730	< 250	< 770	< 670	< 560	< 220	< 580	< 750	< 690	< 570	< 480	< 800
Pyrene	ug/kg	1520	195	< 43	820	250	1200	4000	2500	56	2000	930	2900	3800	2100	1100
TPH																
Diesel Range Organics (C10-C20)	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	NCE	NCE	150000	310000	76000	330000	190000	210000	21000	240000	260000	230000	250000	190000	370000
Gasoline Range Organics (C6-C10)	ug/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/kg	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	NCE	NCE	590000	2100000	1800000	1600000	1300000	1300000	110000	1500000	2000000	1600000	1600000	1400000	2200000
Specific Identification of Gasoline	ug/kg	NCE	NCE	< 3000	< 6100	< 4300	< 16000	< 13000	< 11000	< 2700	< 10000	< 13000	< 14000	< 12000	< 9800	< 16000
VOC																
1,1,1,2-Tetrachloroethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,1,1-Trichloroethane	ug/kg	NCE	213	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,1,2,2-Tetrachloroethane	ug/kg	NCE	850	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,1,2-Trichloroethane	ug/kg	NCE	518	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,1-Dichloroethane	ug/kg	NCE	0.575	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,1-Dichloroethylene	ug/kg	NCE	19.4	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,2,3-Trichloropropane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,2,4-Trichlorobenzene	ug/kg	NCE	5062	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,2-Dichlorobenzene	ug/kg	NCE	294	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	10/1/2010 10:43 AM	10/1/2010 11:20 AM	10/1/2010 11:25 AM	10/3/2010 11:15 AM	10/3/2010 2:25 PM	10/4/2010 9:45 AM	10/4/2010 10:45 AM	10/4/2010 10:50 AM	10/4/2010 11:38 AM	10/4/2010 11:50 AM	10/4/2010 1:35 PM	10/4/2010 1:55 PM	10/4/2010 3:30 PM
	Sample			SEE100110 43RCM1	SEE100111 20JDF1	SEE100111 25ARM1	SEE100311 15JDF1	SEE100314 25JDF1	SEE100409 45JDF1	SEE100410 45ARM1	SEE100410 50JDF1	SEE100411 38RCM1	SEE100411 50JDF1	SEE100413 35JDF1	SEE100413 55ARM1	SEE100415 30JDF1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,2-Dichloropropane	ug/kg	NCE	333	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,3-Dichlorobenzene	ug/kg	NCE	1315	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,3-Dichloropropene, cis	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,3-Dichloropropene, trans	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
1,4-Dichloro-2-butene, trans	ug/kg	NCE	NCE	< 12	< 55	< 16	< 63	< 51	< 48	< 11	< 39	< 37	< 54	< 45	< 43	< 68
1,4-Dichlorobenzene	ug/kg	NCE	318	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
2-Butanone (MEK)	ug/kg	NCE	42.4	7.4	23	11	37	48	< 24	< 5.5	< 19	72	< 27	< 23	35	71
2-Hexanone	ug/kg	NCE	58.2	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
2-Methylnaphthalene	ug/kg	NCE	20.2	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
4-Methyl-2-pentanone (MIBK)	ug/kg	NCE	25.1	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Acetone	ug/kg	NCE	9.9	< 5.8	86	33	140	170	< 24	16	< 19	270	< 27	< 23	89	220
Acrylonitrile	ug/kg	NCE	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	NCE	142	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Bromochloromethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Bromodichloromethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Bromoform	ug/kg	NCE	492	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Bromomethane	ug/kg	NCE	1.37	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Carbon disulfide	ug/kg	NCE	23.9	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Carbon tetrachloride	ug/kg	NCE	1450	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Chlorobenzene	ug/kg	NCE	291	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Chloroethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Chloroform	ug/kg	NCE	121	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Chloromethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
cis-1,2-Dichloroethylene	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Dibromochloromethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Dibromochloropropane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Dibromomethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Dichlorodifluoromethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Diethyl ether	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Ethylbenzene	ug/kg	NCE	175	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Ethylene dibromide	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Hexachloroethane	ug/kg	NCE	584	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
m&p-Xylene	ug/kg	NCE	NCE	< 12	< 55	< 16	< 63	< 51	< 48	< 11	< 39	< 37	< 54	< 45	< 43	< 68
Methyl Iodide	ug/kg	NCE	NCE	< 12	< 55	< 16	< 63	< 51	< 48	< 11	< 39	< 37	< 54	< 45	< 43	< 68
Methylene chloride	ug/kg	NCE	159	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Methyl-tert-butyl ether (MTBE)	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Naphthalene	ug/kg	561	176	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
n-Propylbenzene	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
o-Xylene	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Styrene	ug/kg	NCE	254	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Tetrachloroethylene	ug/kg	NCE	990	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Toluene	ug/kg	NCE	1220	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	10/1/2010 10:43 AM	10/1/2010 11:20 AM	10/1/2010 11:25 AM	10/3/2010 11:15 AM	10/3/2010 2:25 PM	10/4/2010 9:45 AM	10/4/2010 10:45 AM	10/4/2010 10:50 AM	10/4/2010 11:38 AM	10/4/2010 11:50 AM	10/4/2010 1:35 PM	10/4/2010 1:55 PM	10/4/2010 3:30 PM
	Sample			SEE100110 43RCM1	SEE100111 20JDF1	SEE100111 25ARM1	SEE100311 15JDF1	SEE100314 25JDF1	SEE100409 45JDF1	SEE100410 45ARM1	SEE100410 50JDF1	SEE100411 38RCM1	SEE100411 50JDF1	SEE100413 35JDF1	SEE100413 55ARM1	SEE100415 30JDF1
	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
trans-1,2-Dichloroethylene	ug/kg	NCE	654	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Trichloroethylene	ug/kg	NCE	112	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Trichlorofluoromethane	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Vinyl acetate	ug/kg	NCE	NCE	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Vinyl chloride	ug/kg	NCE	202	< 5.8	< 28	< 8.2	< 32	< 25	< 24	< 5.5	< 19	< 18	< 27	< 23	< 22	< 34
Xylenes	ug/kg	NCE	433	< 12	< 55	< 16	< 63	< 51	< 48	< 11	< 39	< 37	< 54	< 45	< 43	< 68

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/5/2010 11:25 AM	10/5/2010 11:45 AM	10/5/2010 2:15 PM	10/5/2010 4:53 PM	10/6/2010 10:51 AM	10/6/2010 11:35 AM	10/6/2010 12:05 PM	10/6/2010 4:40 PM	10/7/2010 10:42 AM	10/7/2010 10:45 AM	10/7/2010 11:01 AM	10/7/2010 11:51 AM	10/7/2010 12:05 PM	10/7/2010 2:15 PM	10/7/2010 3:40 PM	10/8/2010 10:35 AM
	Sample	SEE100511 25PML1	SEE100511 45RCM1	SEE100514 15ARM1	SEE100516 53PML1	SEE100610 51RCM1	SEE100611 35ARM1	SEE100612 05PML1	SEE100616 40PML1	SEE100710 42RCM1	SEE100710 45ARM1	SEE100711 01PML1	SEE100711 51RCM1	SEE100712 05PML1	SEE100714 15ARM1	SEE100715 40PML1	SEE100810 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Antimony	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	< 5500	< 1200	820	610	1000	160	< 4300	< 4300	< 4100	440	680	390	< 3700	750	600	180
Arsenic	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	13000	2600	4900	11000	15000	2600	9300	8700	13000	4000	15000	6000	19000	15000	19000	5900
Barium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/kg	220000	13000	77000	210000	230000	27000	200000	200000	200000	41000	160000	110000	190000	160000	160000	53000
Beryllium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	510	85	200	450	560	130	380	370	480	220	470	210	530	530	450	160
Cadmium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	2400	20	960	2200	2600	74	1600	1600	2400	510	2000	590	2300	2200	2100	69
Calcium	ug/kg	130000000	6600000	31000000	160000000	140000000	8400000	190000000	180000000	170000000	7000000	84000000	130000000	96000000	86000000	81000000	60000000
Chromium (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	110000	4900	19000	100000	140000	17000	83000	81000	120000	24000	82000	27000	100000	200000	74000	7100
Cobalt	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	5700	1200	3300	4900	7000	2200	4200	4200	5500	2500	6600	2400	9000	9500	7800	2400
Copper	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/kg	55000	1100	77000	51000	65000	3700	41000	40000	53000	21000	40000	12000	46000	66000	37000	2300
Iron	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/kg	31000000	4200000	11000000	27000000	35000000	5600000	22000000	22000000	25000000	8800000	31000000	9000000	38000000	31000000	35000000	12000000
Lead	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/kg	69000	2700	67000	63000	83000	6200	51000	51000	69000	17000	55000	18000	65000	88000	56000	3100
Magnesium	ug/kg	5700000	490000	3300000	5300000	6600000	2200000	4900000	4900000	5200000	1100000	5800000	2700000	6500000	6400000	6000000	3400000
Manganese	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	1400000	76000	400000	1200000	1400000	120000	1000000	1000000	1000000	340000	1200000	560000	1500000	1000000	1400000	690000
Mercury (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	310	< 20	730	270	390	19	230	220	230	330	240	< 42	250	390	280	46
Molybdenum	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/kg	480	< 600	230	800	< 2200	< 600	350	410	1000	280	680	240	840	940	760	< 720
Nickel	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	24000	3000	11000	21000	32000	11000	19000	19000	29000	13000	22000	10000	28000	62000	21000	4300
Selenium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	1500	140	600	1300	1300	< 600	910	880	1200	390	1700	800	1900	1200	1600	< 720
Silver	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/kg	1300	49	1400	1200	1400	< 300	780	740	1300	350	590	240	780	1200	550	< 360
Thallium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	< 2800	< 600	< 880	< 2400	< 2200	< 600	< 2200	< 2100	< 2100	< 680	1000	< 1300	< 1800	< 1300	< 1800	< 720
Vanadium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/kg	13000	5200	7000	12000	16000	5300	11000	11000	15000	8300	15000	6600	17000	17000	15000	6600
Zinc	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	280000	12000	180000	250000	330000	37000	200000	200000	260000	75000	230000	71000	280000	360000	240000	20000
PCB																	
Aroclor 1016	ug/kg	< 91	< 21	< 29	< 78	< 75	< 21	< 73	< 68	< 71	< 22	< 72	< 43	< 62	< 93	< 60	< 24
Aroclor 1221	ug/kg	< 91	< 21	< 29	< 78	< 75	< 21	< 73	< 68	< 71	< 22	< 72	< 43	< 62	< 93	< 60	< 24
Aroclor 1232	ug/kg	< 91	< 21	< 29	< 78	< 75	< 21	< 73	< 68	< 71	< 22	< 72	< 43	< 62	< 93	< 60	< 24

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/5/2010 11:25 AM	10/5/2010 11:45 AM	10/5/2010 2:15 PM	10/5/2010 4:53 PM	10/6/2010 10:51 AM	10/6/2010 11:35 AM	10/6/2010 12:05 PM	10/6/2010 4:40 PM	10/7/2010 10:42 AM	10/7/2010 10:45 AM	10/7/2010 11:01 AM	10/7/2010 11:51 AM	10/7/2010 12:05 PM	10/7/2010 2:15 PM	10/7/2010 3:40 PM	10/8/2010 10:35 AM
	Sample	SEE100511 25PML1	SEE100511 45RCM1	SEE100514 15ARM1	SEE100516 53PML1	SEE100610 51RCM1	SEE100611 35ARM1	SEE100612 05PML1	SEE100616 40PML1	SEE100710 42RCM1	SEE100710 45ARM1	SEE100711 01PML1	SEE100711 51RCM1	SEE100712 05PML1	SEE100714 15ARM1	SEE100715 40PML1	SEE100810 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Aroclor 1242	ug/kg	< 91	< 21	< 29	< 78	< 75	< 21	< 73	< 68	< 71	< 22	< 72	< 43	< 62	< 93	< 60	< 24
Aroclor 1248	ug/kg	< 91	< 21	< 29	< 78	< 75	< 21	< 73	< 68	< 71	< 22	< 72	< 43	< 62	< 93	< 60	< 24
Aroclor 1254	ug/kg	220	< 21	150	280	340	44	230	170	470	57	200	130	190	1100	150	< 24
Aroclor 1260	ug/kg	< 91	< 21	< 29	< 78	< 75	< 21	< 73	< 68	< 71	< 22	< 72	< 43	< 62	< 93	< 60	< 24
Polychlorinated biphenyls (PCBs), total	ug/kg	220	< 21	150	280	340	44	230	170	470	57	200	130	190	1100	150	< 24
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
1,2-Dichlorobenzene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
1,3-Dichlorobenzene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
1,4-Dichlorobenzene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2,4,5-Trichlorophenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
2,4,6-Trichlorophenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
2,4-Dichlorophenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
2,4-Dimethylphenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
2,4-Dinitrophenol	ug/kg	< 3700	< 810	< 1100	< 3200	< 3000	< 830	< 3100	< 2800	< 2900	< 880	< 2900	< 1700	< 2500	< 1900	< 2500	< 940
2,4-Dinitrotoluene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2,6-Dinitrotoluene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2-Chloronaphthalene	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2-Chlorophenol	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2-Methyl-4,6-dinitrophenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
2-Methylnaphthalene	ug/kg	< 930	< 200	32	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	57	36	56	< 240
2-Methylphenol	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2-Nitroaniline	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
2-Nitrophenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
3- And 4- Methylphenol (Total)	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
3,3'-Dichlorobenzidine	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
3-Nitroaniline	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
4-Bromophenyl phenylether	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
4-Chloro-3-methylphenol	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
4-Chloroaniline	ug/kg	< 3700	< 810	< 1100	< 3200	< 3000	< 830	< 3100	< 2800	< 2900	< 880	< 2900	< 1700	< 2500	< 1900	< 2500	< 940
4-Chlorophenyl phenylether	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
4-Methylphenol	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	ug/kg	< 1800	< 400	< 560	< 1600	< 1500	< 410	< 1500	< 1400	< 1400	< 430	< 1400	< 840	< 1200	< 920	< 1200	< 470
4-Nitrophenol	ug/kg	< 3700	< 810	< 1100	< 3200	< 3000	< 830	< 3100	< 2800	< 2900	< 880	< 2900	< 1700	< 2500	< 1900	< 2500	< 940
Acenaphthene	ug/kg	< 180	< 40	13	< 160	< 150	< 41	61	< 140	< 140	< 43	48	< 84	52	42	120	< 47
Acenaphthylene	ug/kg	120	< 40	140	98	66	16	110	39	42	21	130	13	140	100	150	< 47
Anthracene	ug/kg	75	< 40	110	73	89	24	180	42	56	23	160	17	210	130	320	< 47
Benzo(a)anthracene	ug/kg	550	< 40	580	430	570	140	1000	240	350	120	1100	98	1200	740	1500	19
Benzo(a)pyrene	ug/kg	860	< 40	890	760	870	180	1300	350	520	140	1500	160	1700	940	1700	19
Benzo(b)fluoranthene	ug/kg	1500	12	890	1200	1400	190	1900	640	830	130	1800	230	1900	1100	2400	29
Benzo(g,h,i)perylene	ug/kg	850	< 40	540	750	670	110	1100	390	550	100	1200	190	1500	720	1300	18
Benzo(k)fluoranthene	ug/kg	560	< 40	410	610	590	83	730	210	480	130	1400	170	1700	750	1600	< 47
Bis(2-chloroethoxy) methane	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Bis(2-chloroethyl)ether	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Bis(2-chloroisopropyl) ether	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/5/2010 11:25 AM	10/5/2010 11:45 AM	10/5/2010 2:15 PM	10/5/2010 4:53 PM	10/6/2010 10:51 AM	10/6/2010 11:35 AM	10/6/2010 12:05 PM	10/6/2010 4:40 PM	10/7/2010 10:42 AM	10/7/2010 10:45 AM	10/7/2010 11:01 AM	10/7/2010 11:51 AM	10/7/2010 12:05 PM	10/7/2010 2:15 PM	10/7/2010 3:40 PM	10/8/2010 10:35 AM
	Sample	SEE100511 25PML1	SEE100511 45RCM1	SEE100514 15ARM1	SEE100516 53PML1	SEE100610 51RCM1	SEE100611 35ARM1	SEE100612 05PML1	SEE100616 40PML1	SEE100710 42RCM1	SEE100710 45ARM1	SEE100711 01PML1	SEE100711 51RCM1	SEE100712 05PML1	SEE100714 15ARM1	SEE100715 40PML1	SEE100810 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Bis(2-ethylhexyl)phthalate	ug/kg	< 930	< 200	< 280	< 790	430	< 210	450	< 700	360	< 220	510	< 430	520	400	660	< 240
Butyl benzyl phthalate	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Carbazole	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	180	< 240
Chrysene	ug/kg	860	< 40	670	780	760	150	1300	350	480	130	1400	140	1600	890	1700	24
Dibenzo(a,h)anthracene	ug/kg	190	< 40	120	150	120	31	230	99	150	30	200	44	390	220	230	< 47
Dibenzofuran	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Diethyl phthalate	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Dimethyl phthalate	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Di-n-butyl phthalate	ug/kg	120	< 200	35	150	< 750	< 210	220	< 700	180	< 220	180	< 430	< 610	< 460	< 620	29
Di-n-octyl phthalate	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Fluoranthene	ug/kg	1400	12	700	1300	1400	150	2300	590	940	140	2200	270	2500	1300	3100	44
Fluorene	ug/kg	49	< 40	40	42	67	12	99	37	38	11	82	< 84	99	67	170	< 47
Hexachlorobenzene (C-66)	ug/kg	< 370	< 81	< 110	< 320	< 300	< 83	< 310	< 280	< 290	< 88	< 290	< 170	< 250	< 190	< 250	< 94
Hexachlorobutadiene (C-46)	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3700	< 810	< 1100	< 3200	< 3000	< 830	< 3100	< 2800	< 2900	< 880	< 2900	< 1700	< 2500	< 1900	< 2500	< 940
Hexachloroethane	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Indeno(1,2,3-c,d)pyrene	ug/kg	730	< 40	400	630	630	91	980	340	490	86	1000	150	1300	650	1200	13
Isophorone	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Naphthalene	ug/kg	< 180	< 40	31	40	42	< 41	48	< 140	37	9.3	53	< 84	54	40	69	< 47
Nitrobenzene	ug/kg	< 180	< 40	< 56	< 160	< 150	< 41	< 150	< 140	< 140	< 43	< 140	< 84	< 120	< 92	< 120	< 47
n-Nitroso-di-n-propylamine	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
N-Nitrosodiphenylamine	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Pentachlorophenol	ug/kg	< 3700	< 810	< 1100	< 3200	< 3000	< 830	< 3100	< 2800	< 2900	< 880	< 2900	< 1700	< 2500	< 1900	< 2500	< 940
Phenanthrene	ug/kg	340	< 40	260	310	400	79	840	140	210	67	700	78	920	480	1300	17
Phenol	ug/kg	< 930	< 200	< 280	< 790	< 750	< 210	< 770	< 700	< 720	< 220	< 720	< 430	< 610	< 460	< 620	< 240
Pyrene	ug/kg	1500	< 40	880	1100	1200	200	1900	520	740	190	2000	220	2200	1300	2900	41
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	200000	66000	80000	180000	190000	81000	230000	200000	250000	71000	160000	280000	250000	250000	210000	12000
Gasoline Range Organics (C6-C10)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	1400000	210000	1000000	1200000	1500000	370000	1300000	1200000	1900000	630000	960000	1300000	1600000	2000000	1400000	69000
Specific Identification of Gasoline	ug/kg	< 22000	< 3000	< 4100	< 20000	< 16000	< 2800	< 16000	< 16000	< 17000	< 3000	< 17000	< 8600	< 12000	< 10000	< 11000	< 3600
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,1,1-Trichloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,1,2,2-Tetrachloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,1,2-Trichloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,1-Dichloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,1-Dichloroethylene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,2,3-Trichloropropane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,2,4-Trichlorobenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,2,4-Trimethylbenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	2.9	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,2-Dichlorobenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/5/2010 11:25 AM	10/5/2010 11:45 AM	10/5/2010 2:15 PM	10/5/2010 4:53 PM	10/6/2010 10:51 AM	10/6/2010 11:35 AM	10/6/2010 12:05 PM	10/6/2010 4:40 PM	10/7/2010 10:42 AM	10/7/2010 10:45 AM	10/7/2010 11:01 AM	10/7/2010 11:51 AM	10/7/2010 12:05 PM	10/7/2010 2:15 PM	10/7/2010 3:40 PM	10/8/2010 10:35 AM
	Sample	SEE100511 25PML1	SEE100511 45RCM1	SEE100514 15ARM1	SEE100516 53PML1	SEE100610 51RCM1	SEE100611 35ARM1	SEE100612 05PML1	SEE100616 40PML1	SEE100710 42RCM1	SEE100710 45ARM1	SEE100711 01PML1	SEE100711 51RCM1	SEE100712 05PML1	SEE100714 15ARM1	SEE100715 40PML1	SEE100810 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,2-Dichloropropane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,3,5-Trimethylbenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	0.88	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,3-Dichlorobenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,3-Dichloropropene, cis	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,3-Dichloropropene, trans	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
1,4-Dichloro-2-butene, trans	ug/kg	< 77	< 9.7	< 17	< 58	< 44	< 9.6	< 54	< 58	< 91	< 11	< 60	< 27	< 47	< 40	< 46	< 15
1,4-Dichlorobenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
2-Butanone (MEK)	ug/kg	< 39	2.5	19	34	52	2.4	< 27	29	60	< 5.5	< 30	33	< 23	25	< 23	14
2-Hexanone	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
2-Methylnaphthalene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
4-Methyl-2-pentanone (MIBK)	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Acetone	ug/kg	58	< 4.9	63	120	150	8.3	< 27	67	210	24	< 30	74	< 23	68	< 23	170
Acrylonitrile	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Bromochloromethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Bromodichloromethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Bromoform	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Bromomethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Carbon disulfide	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Carbon tetrachloride	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Chlorobenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Chloroethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Chloroform	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Chloromethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
cis-1,2-Dichloroethylene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Dibromochloromethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Dibromochloropropane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Dibromomethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Dichlorodifluoromethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Diethyl ether	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Ethylbenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	0.91	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Ethylene dibromide	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Hexachloroethane	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
m&p-Xylene	ug/kg	< 77	< 9.7	< 17	< 58	< 44	3.7	< 54	< 58	< 91	< 11	< 60	< 27	< 47	< 40	< 46	< 15
Methyl Iodide	ug/kg	< 77	< 9.7	< 17	< 58	< 44	< 9.6	< 54	< 58	< 91	< 11	< 60	< 27	< 47	< 40	< 46	< 15
Methylene chloride	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Methyl-tert-butyl ether (MTBE)	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Naphthalene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
n-Propylbenzene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
o-Xylene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	1.5	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Styrene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	0.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Tetrachloroethylene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Toluene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	4	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/5/2010 11:25 AM	10/5/2010 11:45 AM	10/5/2010 2:15 PM	10/5/2010 4:53 PM	10/6/2010 10:51 AM	10/6/2010 11:35 AM	10/6/2010 12:05 PM	10/6/2010 4:40 PM	10/7/2010 10:42 AM	10/7/2010 10:45 AM	10/7/2010 11:01 AM	10/7/2010 11:51 AM	10/7/2010 12:05 PM	10/7/2010 2:15 PM	10/7/2010 3:40 PM	10/8/2010 10:35 AM
	Sample	SEE100511 25PML1	SEE100511 45RCM1	SEE100514 15ARM1	SEE100516 53PML1	SEE100610 51RCM1	SEE100611 35ARM1	SEE100612 05PML1	SEE100616 40PML1	SEE100710 42RCM1	SEE100710 45ARM1	SEE100711 01PML1	SEE100711 51RCM1	SEE100712 05PML1	SEE100714 15ARM1	SEE100715 40PML1	SEE100810 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
trans-1,2-Dichloroethylene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Trichloroethylene	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Trichlorofluoromethane	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Vinyl acetate	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Vinyl chloride	ug/kg	< 39	< 4.9	< 8.7	< 29	< 22	< 4.8	< 27	< 29	< 45	< 5.5	< 30	< 14	< 23	< 20	< 23	< 7.6
Xylenes	ug/kg	< 77	< 9.7	< 17	< 58	< 44	5.2	< 54	< 58	< 91	< 11	< 60	< 27	< 47	< 40	< 46	< 15

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:51 AM	10/8/2010 11:15 AM	10/8/2010 12:31 PM	10/9/2010 12:00 PM	10/9/2010 2:01 PM	10/9/2010 4:14 PM	10/10/2010 10:10 AM	10/10/2010 12:15 PM	10/11/2010 10:11 AM	10/11/2010 11:25 AM	10/11/2010 1:50 PM	10/12/2010 9:30 AM	10/12/2010 10:30 AM	10/12/2010 10:40 AM	10/12/2010 11:55 AM	10/12/2010 2:15 PM
	Sample	SEE100810 51RCM1	SEE100811 15PML1	SEE100812 31PML1	SEE100912 00ARM1	SEE100914 01PML1	SEE100916 14PML1	SEE101010 10PML1	SEE101012 15PML1	SEE101110 11JDF1	SEE101111 25JDF1	SEE101113 50JDF1	SEE101209 30JDF1	SEE101210 30JDF1	SEE101210 40ARM1	SEE101211 55JDF1	SEE101214 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Antimony	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	< 4400	< 4900	880	< 2000	< 4900	< 4600	1500	1400	600	< 4000	< 3600	< 4300	< 3300	< 1200	< 4400	< 3700
Arsenic	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	15000	12000	18000	15000	13000	11000	10000	11000	16000	15000	19000	17000	19000	3100	10000	16000
Barium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/kg	230000	220000	180000	120000	220000	210000	220000	220000	170000	180000	170000	180000	150000	19000	190000	290000
Beryllium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	550	490	460	< 400	550	490	440	450	470	500	460	490	380	110	390	610
Cadmium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	2500	1900	1700	550	2100	1700	1500	1600	1800	2100	1800	2000	1300	59	1700	3400
Calcium	ug/kg	130000000	160000000	98000000	25000000	140000000	140000000	190000000	190000000	95000000	98000000	86000000	100000000	66000000	8000000	160000000	110000000
Chromium (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	130000	92000	83000	92000	110000	97000	88000	84000	---	---	---	100000	57000	14000	75000	450000
Cobalt	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	6700	5800	7000	7800	5800	5100	4600	4700	7500	7000	7800	7300	7200	1900	4700	7900
Copper	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/kg	64000	49000	42000	28000	56000	48000	43000	42000	41000	45000	38000	51000	30000	2700	39000	140000
Iron	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/kg	33000000	28000000	33000000	23000000	31000000	28000000	23000000	24000000	33000000	33000000	37000000	33000000	31000000	6300000	22000000	30000000
Lead	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/kg	80000	61000	61000	41000	71000	62000	54000	54000	57000	63000	59000	68000	47000	5600	51000	180000
Magnesium	ug/kg	6300000	5500000	6500000	1900000	5900000	5300000	5200000	5400000	6300000	6400000	6100000	6500000	4700000	1100000	4700000	6300000
Manganese	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	1300000	1300000	1300000	580000	1300000	1200000	1000000	1100000	1300000	1300000	1400000	1300000	1300000	180000	1000000	1100000
Mercury (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	430	310	360	310	430	390	280	290	330	420	390	450	270	33	190	630
Molybdenum	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/kg	2200	< 2400	< 2200	1100	1800	1400	< 2100	< 2200	< 1900	680	< 1800	< 2100	< 1700	< 590	< 2200	1900
Nickel	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	31000	22000	22000	56000	25000	21000	21000	20000	25000	24000	21000	28000	19000	6400	20000	100000
Selenium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	1300	1200	1600	< 1000	860	540	530	600	< 1900	< 2000	< 1800	760	690	< 590	< 2200	790
Silver	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/kg	1300	1000	690	< 500	1000	930	1000	910	640	980	500	690	370	< 300	770	4300
Thallium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	< 2200	< 2400	< 2200	< 1000	< 2500	< 2300	< 2100	< 2200	< 1900	< 2000	< 1800	< 2100	< 1700	< 590	< 2200	< 1900
Vanadium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/kg	15000	14000	14000	8700	16000	14000	13000	14000	15000	15000	15000	13000	11000	4200	12000	17000
Zinc	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	310000	240000	250000	190000	280000	240000	210000	210000	250000	260000	260000	270000	220000	35000	200000	600000
PCB																	
Aroclor 1016	ug/kg	< 76	< 83	< 72	< 160	< 86	< 79	< 76	< 77	< 62	< 68	< 61	< 73	< 58	< 20	< 71	< 120
Aroclor 1221	ug/kg	< 76	< 83	< 72	< 160	< 86	< 79	< 76	< 77	< 62	< 68	< 61	< 73	< 58	< 20	< 71	< 120
Aroclor 1232	ug/kg	< 76	< 83	< 72	< 160	< 86	< 79	< 76	< 77	< 62	< 68	< 61	< 73	< 58	< 20	< 71	< 120

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:51 AM	10/8/2010 11:15 AM	10/8/2010 12:31 PM	10/9/2010 12:00 PM	10/9/2010 2:01 PM	10/9/2010 4:14 PM	10/10/2010 10:10 AM	10/10/2010 12:15 PM	10/11/2010 10:11 AM	10/11/2010 11:25 AM	10/11/2010 1:50 PM	10/12/2010 9:30 AM	10/12/2010 10:30 AM	10/12/2010 10:40 AM	10/12/2010 11:55 AM	10/12/2010 2:15 PM
	Sample	SEE100810 51RCM1	SEE100811 15PML1	SEE100812 31PML1	SEE100912 00ARM1	SEE100914 01PML1	SEE100916 14PML1	SEE101010 10PML1	SEE101012 15PML1	SEE101110 11JDF1	SEE101111 25JDF1	SEE101113 50JDF1	SEE101209 30JDF1	SEE101210 30JDF1	SEE101210 40ARM1	SEE101211 55JDF1	SEE101214 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Aroclor 1242	ug/kg	< 76	< 83	< 72	< 160	< 86	< 79	< 76	< 77	< 62	< 68	< 61	< 73	< 58	< 20	< 71	< 120
Aroclor 1248	ug/kg	< 76	< 83	< 72	< 160	< 86	< 79	< 76	< 77	< 62	< 68	< 61	< 73	< 58	< 20	< 71	< 120
Aroclor 1254	ug/kg	160	200	240	1700	230	200	180	140	83	100	94	210	160	18	200	2000
Aroclor 1260	ug/kg	< 76	< 83	< 72	< 160	83	65	< 76	< 77	< 62	< 68	< 61	< 73	< 58	< 20	< 71	500
Polychlorinated biphenyls (PCBs), total	ug/kg	160	200	240	1700	310	260	180	140	83	100	94	210	160	18	200	2500
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
1,2-Dichlorobenzene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
1,3-Dichlorobenzene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
1,4-Dichlorobenzene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
2,4,5-Trichlorophenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
2,4,6-Trichlorophenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
2,4-Dichlorophenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
2,4-Dimethylphenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
2,4-Dinitrophenol	ug/kg	< 3000	< 3400	< 2900	< 1300	< 3300	< 3200	< 3000	< 3100	< 2500	< 2700	< 2400	< 2900	< 2300	< 790	< 2900	< 2500
2,4-Dinitrotoluene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
2,6-Dinitrotoluene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
2-Chloronaphthalene	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
2-Chlorophenol	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
2-Methyl-4,6-dinitrophenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
2-Methylnaphthalene	ug/kg	< 740	< 850	< 720	46	< 820	< 790	< 740	< 760	< 630	< 680	54	< 720	44	< 200	< 730	63
2-Methylphenol	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	29	< 730	< 620
2-Nitroaniline	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
2-Nitrophenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
3- And 4- Methylphenol (Total)	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
3,3'-Dichlorobenzidine	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
3-Nitroaniline	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
4-Bromophenyl phenylether	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
4-Chloro-3-methylphenol	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
4-Chloroaniline	ug/kg	< 3000	< 3400	< 2900	< 1300	< 3300	< 3200	< 3000	< 3100	< 2500	< 2700	< 2400	< 2900	< 2300	< 790	< 2900	< 2500
4-Chlorophenyl phenylether	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
4-Methylphenol	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	ug/kg	< 1500	< 1700	< 1400	< 650	< 1600	< 1600	< 1500	< 1500	< 1200	< 1300	< 1200	< 1400	< 1100	< 390	< 1500	< 1200
4-Nitrophenol	ug/kg	< 3000	< 3400	< 2900	< 1300	< 3300	< 3200	< 3000	< 3100	< 2500	< 2700	< 2400	< 2900	< 2300	< 790	< 2900	< 2500
Acenaphthene	ug/kg	< 150	< 170	37	40	41	< 160	< 150	< 150	50	57	68	39	54	< 39	< 150	43
Acenaphthylene	ug/kg	51	< 170	67	190	55	39	46	50	110	96	150	91	190	32	45	< 120
Anthracene	ug/kg	67	73	140	190	82	45	47	62	150	160	200	140	230	28	70	110
Benzo(a)anthracene	ug/kg	490	440	930	1500	490	350	220	370	1000	940	1500	990	1500	160	370	550
Benzo(a)pyrene	ug/kg	590	450	960	1200	550	440	250	440	1200	1100	1600	1100	1500	150	470	630
Benzo(b)fluoranthene	ug/kg	990	660	1200	1400	990	820	500	730	1800	1900	2200	1500	1800	170	750	810
Benzo(g,h,i)perylene	ug/kg	550	430	770	650	570	430	300	510	790	810	930	930	1200	96	490	620
Benzo(k)fluoranthene	ug/kg	430	400	740	510	430	380	260	500	690	790	1300	640	740	73	320	500
Bis(2-chloroethoxy) methane	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Bis(2-chloroethyl)ether	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Bis(2-chloroisopropyl) ether	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:51 AM	10/8/2010 11:15 AM	10/8/2010 12:31 PM	10/9/2010 12:00 PM	10/9/2010 2:01 PM	10/9/2010 4:14 PM	10/10/2010 10:10 AM	10/10/2010 12:15 PM	10/11/2010 10:11 AM	10/11/2010 11:25 AM	10/11/2010 1:50 PM	10/12/2010 9:30 AM	10/12/2010 10:30 AM	10/12/2010 10:40 AM	10/12/2010 11:55 AM	10/12/2010 2:15 PM
	Sample	SEE100810 51RCM1	SEE100811 15PML1	SEE100812 31PML1	SEE100912 00ARM1	SEE100914 01PML1	SEE100916 14PML1	SEE101010 10PML1	SEE101012 15PML1	SEE101110 11JDF1	SEE101111 25JDF1	SEE101113 50JDF1	SEE101209 30JDF1	SEE101210 30JDF1	SEE101210 40ARM1	SEE101211 55JDF1	SEE101214 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Bis(2-ethylhexyl)phthalate	ug/kg	330	< 850	< 720	250	430	340	190	270	340	480	510	< 720	< 570	< 200	< 730	1500
Butyl benzyl phthalate	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Carbazole	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Chrysene	ug/kg	700	620	1200	1300	710	530	330	590	1300	1200	1700	1400	2000	170	590	800
Dibenzo(a,h)anthracene	ug/kg	150	84	190	160	160	77	82	99	170	170	450	250	250	25	130	< 120
Dibenzofuran	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Diethyl phthalate	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Dimethyl phthalate	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Di-n-butyl phthalate	ug/kg	< 740	120	100	< 330	250	< 790	< 740	210	< 630	240	< 600	110	79	27	120	120
Di-n-octyl phthalate	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Fluoranthene	ug/kg	1100	1100	2100	1500	1200	930	660	1100	2200	2300	3100	2300	2800	230	1100	1300
Fluorene	ug/kg	46	41	68	88	47	41	35	< 150	88	95	100	68	99	11	40	75
Hexachlorobenzene (C-66)	ug/kg	< 300	< 340	< 290	< 130	< 330	< 320	< 300	< 310	< 250	< 270	< 240	< 290	< 230	< 79	< 290	< 250
Hexachlorobutadiene (C-46)	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3000	< 3400	< 2900	< 1300	< 3300	< 3200	< 3000	< 3100	< 2500	< 2700	< 2400	< 2900	< 2300	< 790	< 2900	< 2500
Hexachloroethane	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Indeno(1,2,3-c,d)pyrene	ug/kg	470	370	670	590	530	410	270	480	750	780	920	760	990	74	400	530
Isophorone	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Naphthalene	ug/kg	33	< 170	35	59	44	32	< 150	< 150	51	34	63	43	52	10	36	55
Nitrobenzene	ug/kg	< 150	< 170	< 140	< 65	< 160	< 160	< 150	< 150	< 120	< 130	< 120	< 140	< 110	< 39	< 150	< 120
n-Nitroso-di-n-propylamine	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
N-Nitrosodiphenylamine	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Pentachlorophenol	ug/kg	< 3000	< 3400	< 2900	< 1300	< 3300	< 3200	< 3000	< 3100	< 2500	< 2700	< 2400	< 2900	< 2300	< 790	< 2900	< 2500
Phenanthrene	ug/kg	310	320	700	500	310	240	180	300	730	710	1100	710	1000	66	240	490
Phenol	ug/kg	< 740	< 850	< 720	< 330	< 820	< 790	< 740	< 760	< 630	< 680	< 600	< 720	< 570	< 200	< 730	< 620
Pyrene	ug/kg	1100	990	2100	1600	990	780	480	860	2000	2100	2800	1900	2600	250	970	1600
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	190000	160000	110000	61000	150000	160000	230000	330000	210000	180000	150000	190000	170000	17000	180000	540000
Gasoline Range Organics (C6-C10)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	1500000	970000	650000	480000	1200000	1100000	1200000	1900000	1300000	1500000	1200000	1400000	1300000	140000	1300000	5000000
Specific Identification of Gasoline	ug/kg	< 13000	< 8700	< 16000	< 7100	< 18000	< 18000	< 15000	< 12000	< 11000	< 13000	< 10000	< 7100	< 7000	< 2600	< 6900	< 12000
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,1,1-Trichloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,1,2,2-Tetrachloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,1,2-Trichloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,1-Dichloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,1-Dichloroethylene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,2,3-Trichloropropane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,2,4-Trichlorobenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,2,4-Trimethylbenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,2-Dichlorobenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:51 AM	10/8/2010 11:15 AM	10/8/2010 12:31 PM	10/9/2010 12:00 PM	10/9/2010 2:01 PM	10/9/2010 4:14 PM	10/10/2010 10:10 AM	10/10/2010 12:15 PM	10/11/2010 10:11 AM	10/11/2010 11:25 AM	10/11/2010 1:50 PM	10/12/2010 9:30 AM	10/12/2010 10:30 AM	10/12/2010 10:40 AM	10/12/2010 11:55 AM	10/12/2010 2:15 PM
	Sample	SEE100810 51RCM1	SEE100811 15PML1	SEE100812 31PML1	SEE100912 00ARM1	SEE100914 01PML1	SEE100916 14PML1	SEE101010 10PML1	SEE101012 15PML1	SEE101110 11JDF1	SEE101111 25JDF1	SEE101113 50JDF1	SEE101209 30JDF1	SEE101210 30JDF1	SEE101210 40ARM1	SEE101211 55JDF1	SEE101214 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,2-Dichloropropane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,3,5-Trimethylbenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,3-Dichlorobenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,3-Dichloropropene, cis	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,3-Dichloropropene, trans	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
1,4-Dichloro-2-butene, trans	ug/kg	< 57	< 74	< 61	< 23	< 79	< 54	< 66	< 66	< 43	< 50	< 44	< 60	< 42	< 10	< 52	< 50
1,4-Dichlorobenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
2-Butanone (MEK)	ug/kg	27	69	16	51	49	30	< 33	30	24	< 25	< 22	< 30	< 21	5.7	49	150
2-Hexanone	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
2-Methylnaphthalene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
4-Methyl-2-pentanone (MIBK)	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Acetone	ug/kg	56	180	< 31	180	160	120	< 33	43	31	< 25	< 22	< 30	< 21	35	130	490
Acrylonitrile	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Bromochloromethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Bromodichloromethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Bromoform	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Bromomethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Carbon disulfide	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Carbon tetrachloride	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Chlorobenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Chloroethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Chloroform	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Chloromethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
cis-1,2-Dichloroethylene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Dibromochloromethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Dibromochloropropane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Dibromomethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Dichlorodifluoromethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Diethyl ether	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Ethylbenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Ethylene dibromide	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Hexachloroethane	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
m&p-Xylene	ug/kg	< 57	< 74	< 61	< 23	< 79	< 54	< 66	< 66	< 43	< 50	< 44	< 60	< 42	< 10	< 52	< 50
Methyl Iodide	ug/kg	< 57	< 74	< 61	< 23	< 79	< 54	< 66	< 66	< 43	< 50	< 44	< 60	< 42	< 10	< 52	< 50
Methylene chloride	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Methyl-tert-butyl ether (MTBE)	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Naphthalene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
n-Propylbenzene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
o-Xylene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Styrene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Tetrachloroethylene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Toluene	ug/kg	< 29	< 37	< 31	2.3	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	0.78	< 26	< 25

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:51 AM	10/8/2010 11:15 AM	10/8/2010 12:31 PM	10/9/2010 12:00 PM	10/9/2010 2:01 PM	10/9/2010 4:14 PM	10/10/2010 10:10 AM	10/10/2010 12:15 PM	10/11/2010 10:11 AM	10/11/2010 11:25 AM	10/11/2010 1:50 PM	10/12/2010 9:30 AM	10/12/2010 10:30 AM	10/12/2010 10:40 AM	10/12/2010 11:55 AM	10/12/2010 2:15 PM
	Sample	SEE100810 51RCM1	SEE100811 15PML1	SEE100812 31PML1	SEE100912 00ARM1	SEE100914 01PML1	SEE100916 14PML1	SEE101010 10PML1	SEE101012 15PML1	SEE101110 11JDF1	SEE101111 25JDF1	SEE101113 50JDF1	SEE101209 30JDF1	SEE101210 30JDF1	SEE101210 40ARM1	SEE101211 55JDF1	SEE101214 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
trans-1,2-Dichloroethylene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Trichloroethylene	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Trichlorofluoromethane	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Vinyl acetate	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Vinyl chloride	ug/kg	< 29	< 37	< 31	< 11	< 40	< 27	< 33	< 33	< 22	< 25	< 22	< 30	< 21	< 5.2	< 26	< 25
Xylenes	ug/kg	< 57	< 74	< 61	< 23	< 79	< 54	< 66	< 66	< 43	< 50	< 44	< 60	< 42	< 10	< 52	< 50

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/13/2010 10:35 AM	10/13/2010 11:50 AM	10/14/2010 10:15 AM	10/14/2010 10:25 AM	10/14/2010 11:50 AM	10/14/2010 3:50 PM	10/14/2010 3:55 PM	10/15/2010 9:45 AM	10/15/2010 10:55 AM	10/15/2010 1:55 PM	10/16/2010 10:55 AM	10/16/2010 11:15 AM	10/16/2010 2:15 PM	10/16/2010 3:30 PM	10/17/2010 9:15 AM	10/17/2010 11:15 AM
	Sample	SEE101310 35ARM1	SEE101311 50JDF1	SEE101410 15JDF1	SEE101410 25ARM1	SEE101411 50JDF1	SEE101415 50JDF1	SEE101415 55ARM1	SEE101509 45JDF1	SEE101510 55ARM1	SEE101513 55ARM1	SEE101610 55JDF1	SEE101611 15ARM1	SEE101614 15JDF1	SEE101615 30JDF1	SEE101709 15JDF1	SEE101711 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Antimony	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/kg	< 1200	< 4900	< 4500	< 2100	< 4300	< 4400	< 4400	1400	1900	2200	< 3800	< 3900	< 3900	< 4500	< 2800	< 4800
Arsenic	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/kg	2600	12000	12000	7200	9200	9800	19000	15000	16000	12000	17000	14000	20000	18000	18000	11000
Barium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/kg	17000	210000	220000	100000	200000	210000	240000	180000	270000	230000	180000	200000	190000	190000	140000	220000
Beryllium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/kg	140	480	420	210	340	370	640	550	670	710	440	480	450	440	310	420
Cadmium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/kg	< 120	2300	2300	500	1600	1800	2800	2100	3300	4000	1600	2400	1600	1800	1000	1900
Calcium	ug/kg	1800000	130000000	150000000	91000000	180000000	170000000	140000000	92000000	120000000	59000000	94000000	100000000	94000000	100000000	65000000	160000000
Chromium (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/kg	7500	100000	100000	41000	82000	80000	250000	91000	390000	250000	99000	170000	84000	84000	54000	88000
Cobalt	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/kg	2200	5400	5100	2600	4200	4500	7900	6800	7300	7600	8000	6600	8300	7100	6900	5100
Copper	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/kg	2000	52000	51000	14000	40000	42000	91000	44000	120000	230000	43000	69000	41000	43000	28000	46000
Iron	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/kg	6500000	28000000	27000000	8900000	21000000	23000000	30000000	33000000	30000000	25000000	34000000	29000000	41000000	34000000	30000000	26000000
Lead	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/kg	2500	67000	63000	22000	50000	52000	110000	59000	150000	160000	60000	93000	60000	61000	42000	58000
Magnesium	ug/kg	950000	5500000	5400000	2200000	4800000	5200000	5300000	6000000	6100000	5400000	6200000	5700000	6700000	6800000	4900000	5200000
Manganese	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/kg	190000	1200000	1100000	340000	920000	1000000	1000000	1200000	1100000	750000	1300000	1000000	1500000	1300000	1300000	1200000
Mercury (Total)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/kg	11	290	200	< 34	90	< 69	270	200	490	810	320	360	220	190	150	150
Molybdenum	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/kg	< 600	< 2400	< 2200	730	< 2100	< 2200	2200	750	1700	1300	1800	2000	1800	1600	1200	1400
Nickel	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/kg	5700	23000	22000	25000	19000	19000	78000	25000	94000	70000	28000	46000	23000	23000	18000	21000
Selenium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/kg	< 600	670	620	650	670	730	980	2200	2200	2300	850	900	610	1200	540	850
Silver	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/kg	< 300	1400	1200	260	930	940	2300	670	3700	3700	820	1900	540	600	360	980
Thallium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/kg	< 600	< 2400	< 2200	< 1100	< 2100	< 2200	< 2200	< 2100	< 1800	< 1400	< 1900	< 1900	< 1900	< 2300	< 1400	< 2400
Vanadium	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/kg	5600	14000	13000	6100	10000	11000	17000	16000	19000	19000	15000	16000	16000	15000	11000	14000
Zinc	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/kg	19000	260000	240000	82000	190000	200000	410000	250000	530000	600000	250000	330000	260000	250000	180000	220000
PCB																	
Aroclor 1016	ug/kg	< 20	< 83	< 76	< 35	< 75	< 75	< 76	< 71	< 120	< 96	< 63	< 70	< 63	< 75	< 46	< 76
Aroclor 1221	ug/kg	< 20	< 83	< 76	< 35	< 75	< 75	< 76	< 71	< 120	< 96	< 63	< 70	< 63	< 75	< 46	< 76
Aroclor 1232	ug/kg	< 20	< 83	< 76	< 35	< 75	< 75	< 76	< 71	< 120	< 96	< 63	< 70	< 63	< 75	< 46	< 76

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/13/2010 10:35 AM	10/13/2010 11:50 AM	10/14/2010 10:15 AM	10/14/2010 10:25 AM	10/14/2010 11:50 AM	10/14/2010 3:50 PM	10/14/2010 3:55 PM	10/15/2010 9:45 AM	10/15/2010 10:55 AM	10/15/2010 1:55 PM	10/16/2010 10:55 AM	10/16/2010 11:15 AM	10/16/2010 2:15 PM	10/16/2010 3:30 PM	10/17/2010 9:15 AM	10/17/2010 11:15 AM
	Sample	SEE101310 35ARM1	SEE101311 50JDF1	SEE101410 15JDF1	SEE101410 25ARM1	SEE101411 50JDF1	SEE101415 50JDF1	SEE101415 55ARM1	SEE101509 45JDF1	SEE101510 55ARM1	SEE101513 55ARM1	SEE101610 55JDF1	SEE101611 15ARM1	SEE101614 15JDF1	SEE101615 30JDF1	SEE101709 15JDF1	SEE101711 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Aroclor 1242	ug/kg	< 20	< 83	< 76	< 35	< 75	< 75	< 76	< 71	< 120	< 96	< 63	< 70	< 63	< 75	< 46	< 76
Aroclor 1248	ug/kg	< 20	< 83	< 76	< 35	< 75	< 75	< 76	< 71	< 120	< 96	< 63	< 70	< 63	< 75	< 46	< 76
Aroclor 1254	ug/kg	< 20	360	240	260	150	150	1100	91	1300	1500	130	450	< 63	120	160	240
Aroclor 1260	ug/kg	< 20	< 83	< 76	< 35	< 75	< 75	< 76	24	370	220	41	120	< 63	40	< 46	< 76
Polychlorinated biphenyls (PCBs), total	ug/kg	< 20	360	240	260	150	150	1100	110	1600	1700	180	580	< 63	160	160	240
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
1,2-Dichlorobenzene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
1,3-Dichlorobenzene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
1,4-Dichlorobenzene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2,4,5-Trichlorophenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
2,4,6-Trichlorophenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
2,4-Dichlorophenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
2,4-Dimethylphenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
2,4-Dinitrophenol	ug/kg	< 820	< 3400	< 3100	< 1500	< 3000	< 2900	< 3000	< 2900	< 2400	< 1900	< 2500	< 2800	< 2500	< 2900	< 1800	< 3100
2,4-Dinitrotoluene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2,6-Dinitrotoluene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2-Chloronaphthalene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2-Chlorophenol	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2-Methyl-4,6-dinitrophenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
2-Methylnaphthalene	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	47	74	< 610	< 700	< 630	< 730	< 460	< 780
2-Methylphenol	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2-Nitroaniline	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
2-Nitrophenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
3- And 4- Methylphenol (Total)	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	140	< 610	< 700	< 630	< 730	< 460	< 780
3,3'-Dichlorobenzidine	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
3-Nitroaniline	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
4-Bromophenyl phenylether	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
4-Chloro-3-methylphenol	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
4-Chloroaniline	ug/kg	< 820	< 3400	< 3100	< 1500	< 3000	< 2900	< 3000	< 2900	< 2400	< 1900	< 2500	< 2800	< 2500	< 2900	< 1800	< 3100
4-Chlorophenyl phenylether	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
4-Methylphenol	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	ug/kg	< 400	< 1700	< 1500	< 730	< 1500	< 1400	< 1500	< 1400	< 1200	< 960	< 1200	< 1400	< 1200	< 1400	< 910	< 1500
4-Nitrophenol	ug/kg	< 820	< 3400	< 3100	< 1500	< 3000	< 2900	< 3000	< 2900	< 2400	< 1900	< 2500	< 2800	< 2500	< 2900	< 1800	< 3100
Acenaphthene	ug/kg	< 40	< 170	< 150	< 73	< 150	< 140	< 150	< 140	30	49	28	32	< 120	31	63	< 150
Acenaphthylene	ug/kg	< 40	55	42	15	41	44	48	< 140	46	130	60	61	36	38	110	51
Anthracene	ug/kg	< 40	83	57	< 73	64	71	76	54	77	150	110	90	73	100	230	74
Benzo(a)anthracene	ug/kg	10	590	440	85	400	430	370	280	340	560	670	490	440	670	1100	380
Benzo(a)pyrene	ug/kg	10	700	470	100	450	520	420	340	430	600	670	560	450	610	1200	530
Benzo(b)fluoranthene	ug/kg	14	1200	790	150	720	810	710	410	450	450	920	820	620	840	1200	720
Benzo(g,h,i)perylene	ug/kg	< 40	670	410	82	470	530	400	430	380	490	550	470	350	460	960	560
Benzo(k)fluoranthene	ug/kg	< 40	490	340	60	280	400	240	400	490	550	490	360	300	490	1100	570
Bis(2-chloroethoxy) methane	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Bis(2-chloroethyl)ether	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Bis(2-chloroisopropyl) ether	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/13/2010 10:35 AM	10/13/2010 11:50 AM	10/14/2010 10:15 AM	10/14/2010 10:25 AM	10/14/2010 11:50 AM	10/14/2010 3:50 PM	10/14/2010 3:55 PM	10/15/2010 9:45 AM	10/15/2010 10:55 AM	10/15/2010 1:55 PM	10/16/2010 10:55 AM	10/16/2010 11:15 AM	10/16/2010 2:15 PM	10/16/2010 3:30 PM	10/17/2010 9:15 AM	10/17/2010 11:15 AM
	Sample	SEE101310 35ARM1	SEE101311 50JDF1	SEE101410 15JDF1	SEE101410 25ARM1	SEE101411 50JDF1	SEE101415 50JDF1	SEE101415 55ARM1	SEE101509 45JDF1	SEE101510 55ARM1	SEE101513 55ARM1	SEE101610 55JDF1	SEE101611 15ARM1	SEE101614 15JDF1	SEE101615 30JDF1	SEE101709 15JDF1	SEE101711 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Bis(2-ethylhexyl)phthalate	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	1100	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Butyl benzyl phthalate	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Carbazole	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	130	< 780
Chrysene	ug/kg	14	990	650	130	620	750	540	430	520	700	980	680	650	920	1400	650
Dibenzo(a,h)anthracene	ug/kg	< 40	170	120	< 73	100	160	83	< 140	150	200	140	130	93	140	360	< 150
Dibenzofuran	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Diethyl phthalate	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Dimethyl phthalate	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Di-n-butyl phthalate	ug/kg	< 200	170	130	75	170	180	160	< 720	< 590	< 480	< 610	90	< 630	< 730	99	150
Di-n-octyl phthalate	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Fluoranthene	ug/kg	22	1700	1100	200	1000	1200	1100	820	910	940	1800	1200	1000	1600	2700	1300
Fluorene	ug/kg	< 40	59	39	< 73	39	50	50	< 140	54	79	71	60	34	43	110	51
Hexachlorobenzene (C-66)	ug/kg	< 82	< 340	< 310	< 150	< 300	< 290	< 300	< 290	< 240	< 190	< 250	< 280	< 250	< 290	< 180	< 310
Hexachlorobutadiene (C-46)	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Hexachlorocyclopentadiene (C-56)	ug/kg	< 820	< 3400	< 3100	< 1500	< 3000	< 2900	< 3000	< 2900	< 2400	< 1900	< 2500	< 2800	< 2500	< 2900	< 1800	< 3100
Hexachloroethane	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Indeno(1,2,3-c,d)pyrene	ug/kg	< 40	550	340	78	390	460	360	300	360	420	460	400	300	370	880	530
Isophorone	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Naphthalene	ug/kg	< 40	45	32	< 73	30	32	37	< 140	40	75	33	42	< 120	34	30	41
Nitrobenzene	ug/kg	< 40	< 170	< 150	< 73	< 150	< 140	< 150	< 140	< 120	< 96	< 120	< 140	< 120	< 140	< 91	< 150
n-Nitroso-di-n-propylamine	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
N-Nitrosodiphenylamine	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Pentachlorophenol	ug/kg	< 820	< 3400	< 3100	< 1500	< 3000	< 2900	< 3000	< 2900	< 2400	< 1900	< 2500	< 2800	< 2500	< 2900	< 1800	< 3100
Phenanthrene	ug/kg	< 40	390	270	47	260	310	220	230	320	420	530	330	350	530	1000	290
Phenol	ug/kg	< 200	< 840	< 780	< 370	< 740	< 730	< 760	< 720	< 590	< 480	< 610	< 700	< 630	< 730	< 460	< 780
Pyrene	ug/kg	18	1500	850	210	820	1000	1200	660	830	1200	1300	1100	870	1400	2200	1100
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/kg	8200	120000	220000	120000	250000	180000	290000	170000	300000	440000	160000	160000	190000	170000	150000	250000
Gasoline Range Organics (C6-C10)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/kg	46000	1100000	1700000	640000	1700000	1300000	2600000	1500000	2800000	3800000	1200000	1400000	1300000	1300000	1100000	1700000
Specific Identification of Gasoline	ug/kg	< 1700	< 18000	< 7400	< 6300	< 7300	< 15000	< 17000	< 12000	< 13000	12000	< 12000	< 14000	< 12000	< 17000	< 9600	< 16000
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,1,1-Trichloroethane	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,1,2,2-Tetrachloroethane	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,1,2-Trichloroethane	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,1-Dichloroethane	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,1-Dichloroethylene	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,2,3-Trichloropropane	ug/kg	1.9	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,2,4-Trichlorobenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,2,4-Trimethylbenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,2-Dichlorobenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/13/2010 10:35 AM	10/13/2010 11:50 AM	10/14/2010 10:15 AM	10/14/2010 10:25 AM	10/14/2010 11:50 AM	10/14/2010 3:50 PM	10/14/2010 3:55 PM	10/15/2010 9:45 AM	10/15/2010 10:55 AM	10/15/2010 1:55 PM	10/16/2010 10:55 AM	10/16/2010 11:15 AM	10/16/2010 2:15 PM	10/16/2010 3:30 PM	10/17/2010 9:15 AM	10/17/2010 11:15 AM
	Sample	SEE101310 35ARM1	SEE101311 50JDF1	SEE101410 15JDF1	SEE101410 25ARM1	SEE101411 50JDF1	SEE101415 50JDF1	SEE101415 55ARM1	SEE101509 45JDF1	SEE101510 55ARM1	SEE101513 55ARM1	SEE101610 55JDF1	SEE101611 15ARM1	SEE101614 15JDF1	SEE101615 30JDF1	SEE101709 15JDF1	SEE101711 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,2-Dichloropropane	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,3,5-Trimethylbenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,3-Dichlorobenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,3-Dichloropropene, cis	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,3-Dichloropropene, trans	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
1,4-Dichloro-2-butene, trans	ug/kg	< 11	< 67	< 2200	< 23	< 51	< 51	< 76	< 44	< 50	< 40	< 41	< 60	< 49	< 74	< 33	< 70
1,4-Dichlorobenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
2-Butanone (MEK)	ug/kg	< 5.5	46	< 690	44	22	34	150	< 22	150	85	27	160	< 24	< 37	17	50
2-Hexanone	ug/kg	< 5.5	< 33	< 690	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
2-Methylnaphthalene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
4-Methyl-2-pentanone (MIBK)	ug/kg	< 5.5	< 33	< 690	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Acetone	ug/kg	< 5.5	120	< 690	180	59	85	550	< 22	570	300	< 20	420	< 24	< 37	41	71
Acrylonitrile	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/kg	< 5.5	< 33	< 34	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Bromochloromethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Bromodichloromethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Bromoform	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Bromomethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Carbon disulfide	ug/kg	< 5.5	< 33	< 690	< 12	< 26	< 26	< 38	< 22	5.8	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Carbon tetrachloride	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Chlorobenzene	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Chloroethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Chloroform	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Chloromethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
cis-1,2-Dichloroethylene	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Dibromochloromethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Dibromochloropropane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Dibromomethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Dichlorodifluoromethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Diethyl ether	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Ethylbenzene	ug/kg	< 5.5	< 33	< 34	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Ethylene dibromide	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Hexachloroethane	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
m&p-Xylene	ug/kg	< 11	< 67	< 69	< 23	< 51	< 51	< 76	< 44	< 50	< 40	< 41	< 60	< 49	< 74	< 33	< 70
Methyl Iodide	ug/kg	< 11	< 67	< 550	< 23	< 51	< 51	< 76	< 44	< 50	< 40	< 41	< 60	< 49	< 74	< 33	< 70
Methylene chloride	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Methyl-tert-butyl ether (MTBE)	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Naphthalene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
n-Propylbenzene	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
o-Xylene	ug/kg	< 5.5	< 33	< 34	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Styrene	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Tetrachloroethylene	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Toluene	ug/kg	< 5.5	< 33	< 34	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/13/2010 10:35 AM	10/13/2010 11:50 AM	10/14/2010 10:15 AM	10/14/2010 10:25 AM	10/14/2010 11:50 AM	10/14/2010 3:50 PM	10/14/2010 3:55 PM	10/15/2010 9:45 AM	10/15/2010 10:55 AM	10/15/2010 1:55 PM	10/16/2010 10:55 AM	10/16/2010 11:15 AM	10/16/2010 2:15 PM	10/16/2010 3:30 PM	10/17/2010 9:15 AM	10/17/2010 11:15 AM
	Sample	SEE101310 35ARM1	SEE101311 50JDF1	SEE101410 15JDF1	SEE101410 25ARM1	SEE101411 50JDF1	SEE101415 50JDF1	SEE101415 55ARM1	SEE101509 45JDF1	SEE101510 55ARM1	SEE101513 55ARM1	SEE101610 55JDF1	SEE101611 15ARM1	SEE101614 15JDF1	SEE101615 30JDF1	SEE101709 15JDF1	SEE101711 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
trans-1,2-Dichloroethylene	ug/kg	< 5.5	< 33	< 140	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Trichloroethylene	ug/kg	< 5.5	< 33	< 34	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Trichlorofluoromethane	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Vinyl acetate	ug/kg	< 5.5	< 33	< 280	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Vinyl chloride	ug/kg	< 5.5	< 33	< 34	< 12	< 26	< 26	< 38	< 22	< 25	< 20	< 20	< 30	< 24	< 37	< 16	< 35
Xylenes	ug/kg	< 11	< 67	< 140	< 23	< 51	< 51	< 76	< 44	< 50	< 40	< 41	< 60	< 49	< 74	< 33	< 70

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/17/2010 2:10 PM	10/17/2010 3:35 PM	10/18/2010 10:30 AM	10/18/2010 10:35 AM	10/18/2010 12:10 PM	10/18/2010 2:30 PM	10/18/2010 3:10 PM	10/19/2010 10:05 AM	10/19/2010 10:10 AM	10/19/2010 11:00 AM	10/19/2010 11:15 AM	10/19/2010 11:55 AM	10/19/2010 2:15 PM	10/19/2010 3:15 PM	10/20/2010 9:25 AM	10/20/2010 10:35 AM
	Sample	SEE101714 10JDF1	SEE101715 35ARM1	SEE101810 30JWP1	SEE101810 35JDF1	SEE101812 10JDF1	SEE101814 30JWP1	SEE101815 10JDF1	SEE101910 05JDF1	SEE101910 10JWP1	SEE101911 00JDF1	SEE101911 15JWP1	SEE101911 55JDF1	SEE101914 15JDF1	SEE101915 15JDF1	SEE102009 25JWP1	SEE102010 35JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Antimony	mg/kg	---	---	---	---	---	---	---	0.47	0.52	0.55	0.052	0.45	0.4	0.4	0.14	0.025
Antimony	ug/kg	< 4800	< 1600	< 1100	< 4500	< 4300	< 4000	< 4300	---	---	---	---	---	---	---	---	---
Arsenic	mg/kg	---	---	---	---	---	---	---	15	16	23	1.8	21	17	25	5.1	2
Arsenic	ug/kg	12000	10000	1700	10000	8900	26000	9000	---	---	---	---	---	---	---	---	---
Barium	mg/kg	---	---	---	---	---	---	---	210	250	270	30	210	210	210	53	21
Barium	ug/kg	220000	78000	11000	210000	210000	200000	200000	---	---	---	---	---	---	---	---	---
Beryllium	mg/kg	---	---	---	---	---	---	---	0.44	0.47	0.51	0.11	0.4	0.4	0.45	0.14	0.081
Beryllium	ug/kg	480	200	130	400	350	570	360	---	---	---	---	---	---	---	---	---
Cadmium	mg/kg	---	---	---	---	---	---	---	2.5	3.4	2.9	< 0.19	2.3	2.3	2	0.59	< 0.19
Cadmium	ug/kg	2300	480	< 110	1500	1200	2000	1200	---	---	---	---	---	---	---	---	---
Calcium	ug/kg	140000000	18000000	6100000	150000000	190000000	140000000	170000000	---	---	---	---	---	---	---	---	---
Chromium (Total)	mg/kg	---	---	---	---	---	---	---	120	240	130	12	100	95	80	60	6
Chromium (Total)	ug/kg	110000	64000	8800	95000	84000	330000	75000	---	---	---	---	---	---	---	---	---
Cobalt	mg/kg	---	---	---	---	---	---	---	8.3	8	11	3.4	9.7	7.7	12	4.3	1.5
Cobalt	ug/kg	5800	5900	2700	4700	4100	7100	3800	---	---	---	---	---	---	---	---	---
Copper	mg/kg	---	---	---	---	---	---	---	47	79	56	7	41	43	31	18	1.6
Copper	ug/kg	55000	16000	1700	48000	41000	110000	40000	---	---	---	---	---	---	---	---	---
Iron	mg/kg	---	---	---	---	---	---	---	38000	36000	50000	10000	45000	37000	52000	12000	5300
Iron	ug/kg	31000000	13000000	5800000	26000000	21000000	28000000	22000000	---	---	---	---	---	---	---	---	---
Lead	mg/kg	---	---	---	---	---	---	---	76	130	87	5	72	72	63	25	2.6
Lead	ug/kg	68000	27000	3000	59000	51000	130000	48000	---	---	---	---	---	---	---	---	---
Magnesium	ug/kg	5700000	1600000	1100000	5200000	4900000	4900000	5000000	---	---	---	---	---	---	---	---	---
Manganese	mg/kg	---	---	---	---	---	---	---	1600	1500	2700	210	2300	1700	3100	610	190
Manganese	ug/kg	1300000	280000	75000	1100000	940000	790000	1000000	---	---	---	---	---	---	---	---	---
Mercury (Total)	mg/kg	---	---	---	---	---	---	---	1.1	0.51	0.48	0.015	0.39	0.38	0.43	0.11	0.0074
Mercury (Total)	ug/kg	200	130	< 17	140	72	420	71	---	---	---	---	---	---	---	---	---
Molybdenum	mg/kg	---	---	---	---	---	---	---	< 2.1	< 1.8	< 2.3	< 0.58	< 2.3	< 2.4	< 2.7	0.29	0.16
Molybdenum	ug/kg	1700	740	120	< 2200	< 2100	2300	< 2200	---	---	---	---	---	---	---	---	---
Nickel	mg/kg	---	---	---	---	---	---	---	30	58	34	7.8	27	24	29	25	3.4
Nickel	ug/kg	24000	42000	5700	20000	20000	81000	17000	---	---	---	---	---	---	---	---	---
Selenium	mg/kg	---	---	---	---	---	---	---	2.2	2.6	2.8	0.41	2.1	1.9	1.8	0.68	< 0.24
Selenium	ug/kg	710	400	< 540	510	610	810	< 2200	---	---	---	---	---	---	---	---	---
Silver	mg/kg	---	---	---	---	---	---	---	0.87	2.1	0.81	< 0.12	0.54	0.59	< 0.54	0.28	0.012
Silver	ug/kg	1200	220	< 270	1200	1100	3200	< 1100	---	---	---	---	---	---	---	---	---
Thallium	mg/kg	---	---	---	---	---	---	---	< 0.83	< 0.72	< 0.9	< 0.23	< 0.91	< 0.94	< 1.1	0.13	0.041
Thallium	ug/kg	< 2400	< 800	< 540	< 2200	< 2100	< 2000	< 2200	---	---	---	---	---	---	---	---	---
Vanadium	mg/kg	---	---	---	---	---	---	---	14	11	17	13	15	12	18	4.6	4.4
Vanadium	ug/kg	15000	7300	8400	12000	11000	17000	11000	---	---	---	---	---	---	---	---	---
Zinc	mg/kg	---	---	---	---	---	---	---	250	360	300	26	250	240	250	100	18
Zinc	ug/kg	270000	130000	12000	230000	200000	480000	190000	---	---	---	---	---	---	---	---	---
PCB																	
Aroclor 1016	ug/kg	< 87	< 28	< 20	< 78	< 73	< 140	< 77	< 210	< 180	< 190	< 52	< 190	< 200	< 220	< 60	< 54
Aroclor 1221	ug/kg	< 87	< 28	< 20	< 78	< 73	< 140	< 77	< 210	< 180	< 190	< 52	< 190	< 200	< 220	< 60	< 54
Aroclor 1232	ug/kg	< 87	< 28	< 20	< 78	< 73	< 140	< 77	< 210	< 180	< 190	< 52	< 190	< 200	< 220	< 60	< 54

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	10/17/2010 2:10 PM	10/17/2010 3:35 PM	10/18/2010 10:30 AM	10/18/2010 10:35 AM	10/18/2010 12:10 PM	10/18/2010 2:30 PM	10/18/2010 3:10 PM	10/19/2010 10:05 AM	10/19/2010 10:10 AM	10/19/2010 11:00 AM	10/19/2010 11:15 AM	10/19/2010 11:55 AM	10/19/2010 2:15 PM	10/19/2010 3:15 PM	10/20/2010 9:25 AM	10/20/2010 10:35 AM
	Sample	SEE101714 10JDF1	SEE101715 35ARM1	SEE101810 30JWP1	SEE101810 35JDF1	SEE101812 10JDF1	SEE101814 30JWP1	SEE101815 10JDF1	SEE101910 05JDF1	SEE101910 10JWP1	SEE101911 00JDF1	SEE101911 15JWP1	SEE101911 55JDF1	SEE101914 15JDF1	SEE101915 15JDF1	SEE102009 25JWP1	SEE102010 35JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Aroclor 1242	ug/kg	< 87	< 28	< 20	< 78	< 73	< 140	< 77	< 210	< 180	< 190	< 52	< 190	< 200	< 220	< 60	< 54
Aroclor 1248	ug/kg	< 87	< 28	< 20	< 78	< 73	< 140	< 77	< 210	< 180	< 190	< 52	< 190	< 200	< 220	< 60	< 54
Aroclor 1254	ug/kg	300	250	< 20	310	240	2200	230	< 210	< 180	< 190	< 52	< 190	< 200	< 220	120	< 54
Aroclor 1260	ug/kg	< 87	< 28	< 20	< 78	< 73	< 140	< 77	< 210	< 180	< 190	< 52	< 190	< 200	< 220	< 60	< 54
Polychlorinated biphenyls (PCBs), total	ug/kg	300	250	< 20	310	240	2200	230	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
1,2-Dichlorobenzene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
1,3-Dichlorobenzene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
1,4-Dichlorobenzene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2,4,5-Trichlorophenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2,4,6-Trichlorophenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2,4-Dichlorophenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2,4-Dimethylphenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
2,4-Dinitrophenol	ug/kg	< 3500	< 1100	< 750	< 3200	< 2900	< 2800	< 3100	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
2,4-Dinitrotoluene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2,6-Dinitrotoluene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2-Chloronaphthalene	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 440	< 350	< 370	< 100	< 390	< 400	< 410	< 130	< 110
2-Chlorophenol	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2-Methyl-4,6-dinitrophenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
2-Methylnaphthalene	ug/kg	< 880	52	< 190	< 790	< 720	< 700	< 770	< 440	< 350	< 370	< 100	< 390	< 400	< 410	< 130	< 110
2-Methylphenol	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
2-Nitroaniline	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
2-Nitrophenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
3- And 4- Methylphenol (Total)	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
3-Nitroaniline	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
4-Bromophenyl phenylether	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
4-Chloro-3-methylphenol	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
4-Chloroaniline	ug/kg	< 3500	< 1100	< 750	< 3200	< 2900	< 2800	< 3100	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
4-Chlorophenyl phenylether	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
4-Methylphenol	ug/kg	---	---	---	---	---	---	---	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
4-Nitroaniline	ug/kg	< 1700	< 540	< 370	< 1600	< 1400	< 1400	< 1500	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
4-Nitrophenol	ug/kg	< 3500	< 1100	< 750	< 3200	< 2900	< 2800	< 3100	< 3600	< 2800	< 3000	< 870	< 3200	< 3300	< 3400	< 1100	< 900
Acenaphthene	ug/kg	< 170	92	< 37	< 160	< 140	< 140	< 150	< 160	< 130	< 140	< 39	< 150	< 150	< 150	< 50	< 41
Acenaphthylene	ug/kg	55	160	< 37	48	36	43	39	< 160	< 130	< 140	< 39	< 150	< 150	< 150	< 50	< 41
Anthracene	ug/kg	91	330	< 37	81	67	66	58	< 160	< 130	120	66	< 150	< 150	130	< 50	< 41
Benzo(a)anthracene	ug/kg	450	1200	< 37	460	330	300	300	< 160	< 130	140	110	86	< 150	200	50	< 41
Benzo(a)pyrene	ug/kg	650	1300	< 37	610	440	340	420	< 160	< 130	280	110	240	230	380	< 50	< 41
Benzo(b)fluoranthene	ug/kg	830	940	< 37	820	600	470	510	< 160	< 130	360	150	< 150	< 150	470	35	< 41
Benzo(g,h,i)perylene	ug/kg	680	750	< 37	610	480	350	450	< 160	< 130	< 140	48	< 150	< 150	260	< 50	< 41
Benzo(k)fluoranthene	ug/kg	700	1100	< 37	690	480	420	430	< 160	< 130	240	100	160	< 150	260	< 50	< 41
Bis(2-chloroethoxy) methane	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Bis(2-chloroethyl)ether	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Bis(2-chloroisopropyl) ether	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/17/2010 2:10 PM	10/17/2010 3:35 PM	10/18/2010 10:30 AM	10/18/2010 10:35 AM	10/18/2010 12:10 PM	10/18/2010 2:30 PM	10/18/2010 3:10 PM	10/19/2010 10:05 AM	10/19/2010 10:10 AM	10/19/2010 11:00 AM	10/19/2010 11:15 AM	10/19/2010 11:55 AM	10/19/2010 2:15 PM	10/19/2010 3:15 PM	10/20/2010 9:25 AM	10/20/2010 10:35 AM
	Sample	SEE101714 10JDF1	SEE101715 35ARM1	SEE101810 30JWP1	SEE101810 35JDF1	SEE101812 10JDF1	SEE101814 30JWP1	SEE101815 10JDF1	SEE101910 05JDF1	SEE101910 10JWP1	SEE101911 00JDF1	SEE101911 15JWP1	SEE101911 55JDF1	SEE101914 15JDF1	SEE101915 15JDF1	SEE102009 25JWP1	SEE102010 35JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Bis(2-ethylhexyl)phthalate	ug/kg	< 880	< 270	< 190	< 790	< 720	1000	< 770	< 1800	< 1400	110	86	110	120	120	< 540	< 450
Butyl benzyl phthalate	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Carbazole	ug/kg	< 880	150	< 190	< 790	< 720	< 700	< 770	< 880	< 690	85	36	< 780	< 790	< 820	< 260	< 220
Chrysene	ug/kg	780	1300	< 37	730	540	430	500	< 160	< 130	280	120	< 150	< 150	350	51	< 41
Dibenzo(a,h)anthracene	ug/kg	190	350	< 37	80	160	130	< 150	< 160	< 130	< 140	< 39	< 150	< 150	< 150	< 50	< 41
Dibenzofuran	ug/kg	< 880	68	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Diethyl phthalate	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
Dimethyl phthalate	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
Di-n-butyl phthalate	ug/kg	170	65	< 190	180	180	130	150	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
Di-n-octyl phthalate	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Fluoranthene	ug/kg	1500	2100	< 37	1400	990	770	930	< 160	< 130	340	230	120	86	460	79	< 41
Fluorene	ug/kg	51	140	< 37	55	< 140	46	38	< 160	< 130	< 140	49	< 150	< 150	< 150	< 50	< 41
Hexachlorobenzene (C-66)	ug/kg	< 350	< 110	< 75	< 320	< 290	< 280	< 310	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Hexachlorobutadiene (C-46)	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Hexachlorocyclopentadiene (C-56)	ug/kg	< 3500	< 1100	< 750	< 3200	< 2900	< 2800	< 3100	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
Hexachloroethane	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Indeno(1,2,3-c,d)pyrene	ug/kg	610	720	< 37	550	440	330	400	< 160	< 130	< 140	59	< 150	< 150	270	< 50	< 41
Isophorone	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Naphthalene	ug/kg	37	97	< 37	43	35	45	35	< 160	< 130	< 140	< 39	< 150	< 150	< 150	< 50	< 41
Nitrobenzene	ug/kg	< 170	< 54	< 37	< 160	< 140	< 140	< 150	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
n-Nitroso-di-n-propylamine	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
N-Nitrosodiphenylamine	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Pentachlorophenol	ug/kg	< 3500	< 1100	< 750	< 3200	< 2900	< 2800	< 3100	< 1800	< 1400	< 1500	< 430	< 1600	< 1600	< 1700	< 540	< 450
Phenanthrene	ug/kg	350	950	< 37	320	240	180	210	< 160	< 130	190	230	< 150	< 150	200	36	< 41
Phenol	ug/kg	< 880	< 270	< 190	< 790	< 720	< 700	< 770	< 880	< 690	< 740	< 210	< 780	< 790	< 820	< 260	< 220
Pyrene	ug/kg	1200	2200	< 37	1200	840	930	750	< 160	< 130	190	190	110	< 150	290	68	< 41
TPH																	
Diesel Range Organics (C10-C20)	mg/kg	---	---	---	---	---	---	---	< 14	< 11	140	24	< 12	< 13	< 13	< 4.1	< 3.4
Diesel Range Organics (C10-C20)	ug/kg	240000	46000	13000	100000	110000	240000	130000	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/kg	---	---	---	---	---	---	---	< 11000	< 9000	< 9500	< 2700	< 9700	< 10000	< 11000	< 3400	< 2700
Oil Range Organics (C20-C34)	mg/kg	---	---	---	---	---	---	---	< 14	< 11	510	290	< 12	< 13	68	< 4.1	< 3.4
Oil Range Organics (C20-C34)	ug/kg	1900000	470000	67000	750000	800000	2000000	820000	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	< 18000	< 4600	< 2500	< 19000	< 15000	< 16000	< 15000	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
1,1,1-Trichloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,1,2,2-Tetrachloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,1,2-Trichloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
1,1-Dichloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,1-Dichloroethylene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,2,3-Trichloropropane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
1,2,4-Trichlorobenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,2,4-Trimethylbenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,2-Dichlorobenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/17/2010 2:10 PM	10/17/2010 3:35 PM	10/18/2010 10:30 AM	10/18/2010 10:35 AM	10/18/2010 12:10 PM	10/18/2010 2:30 PM	10/18/2010 3:10 PM	10/19/2010 10:05 AM	10/19/2010 10:10 AM	10/19/2010 11:00 AM	10/19/2010 11:15 AM	10/19/2010 11:55 AM	10/19/2010 2:15 PM	10/19/2010 3:15 PM	10/20/2010 9:25 AM	10/20/2010 10:35 AM
	Sample	SEE101714 10JDF1	SEE101715 35ARM1	SEE101810 30JWP1	SEE101810 35JDF1	SEE101812 10JDF1	SEE101814 30JWP1	SEE101815 10JDF1	SEE101910 05JDF1	SEE101910 10JWP1	SEE101911 00JDF1	SEE101911 15JWP1	SEE101911 55JDF1	SEE101914 15JDF1	SEE101915 15JDF1	SEE102009 25JWP1	SEE102010 35JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,2-Dichloropropane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1900	< 1600	< 1700	< 470	< 1700	< 1800	< 2000	< 590	< 480
1,3,5-Trimethylbenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,3-Dichlorobenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,3-Dichloropropene, cis	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
1,3-Dichloropropene, trans	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
1,4-Dichloro-2-butene, trans	ug/kg	< 73	< 16	< 9.2	< 78	< 65	< 67	< 66	< 1900	< 1600	< 1700	< 470	< 1700	< 1800	< 2000	< 590	< 480
1,4-Dichlorobenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
2-Butanone (MEK)	ug/kg	66	32	10	84	34	220	94	< 4100	< 3400	< 3600	< 1000	< 3600	< 3800	< 4200	< 1300	< 1000
2-Hexanone	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 2700	< 2300	< 2400	< 670	< 2400	< 2500	< 2800	< 840	< 690
2-Methylnaphthalene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1600	< 1400	< 1400	< 400	< 1500	< 1500	< 1700	< 500	< 410
4-Methyl-2-pentanone (MIBK)	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 2700	< 2300	< 2400	< 670	< 2400	< 2500	< 2800	< 840	< 690
Acetone	ug/kg	120	100	3.2	150	55	840	140	< 2400	< 2000	< 2100	< 610	< 2200	1300	< 2500	630	< 620
Acrylonitrile	ug/kg	---	---	---	---	---	---	---	< 2200	< 1800	< 1900	< 540	< 1900	< 2000	< 2300	< 670	< 550
Benzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Bromochloromethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Bromodichloromethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Bromoform	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Bromomethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Carbon disulfide	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Carbon tetrachloride	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Chlorobenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Chloroethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1600	< 1400	< 1400	< 400	< 1500	< 1500	< 1700	< 500	< 410
Chloroform	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Chloromethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1600	< 1400	< 1400	< 400	< 1500	< 1500	< 1700	< 500	< 410
cis-1,2-Dichloroethylene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Dibromochloromethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Dibromochloropropane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Dibromomethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Dichlorodifluoromethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Diethyl ether	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Ethylbenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Ethylene dibromide	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Hexachloroethane	ug/kg	---	---	---	---	---	---	---	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Isopropyl benzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
m&p-Xylene	ug/kg	< 73	< 16	< 9.2	< 78	< 65	< 67	< 66	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Methyl Iodide	ug/kg	< 73	< 16	< 9.2	< 78	< 65	< 67	< 66	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Methylene chloride	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Methyl-tert-butyl ether (MTBE)	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Naphthalene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
n-Propylbenzene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
o-Xylene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Styrene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210
Tetrachloroethylene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Toluene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 820	< 680	< 710	< 200	< 730	< 760	< 850	< 250	< 210

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/17/2010 2:10 PM	10/17/2010 3:35 PM	10/18/2010 10:30 AM	10/18/2010 10:35 AM	10/18/2010 12:10 PM	10/18/2010 2:30 PM	10/18/2010 3:10 PM	10/19/2010 10:05 AM	10/19/2010 10:10 AM	10/19/2010 11:00 AM	10/19/2010 11:15 AM	10/19/2010 11:55 AM	10/19/2010 2:15 PM	10/19/2010 3:15 PM	10/20/2010 9:25 AM	10/20/2010 10:35 AM
	Sample	SEE101714 10JDF1	SEE101715 35ARM1	SEE101810 30JWP1	SEE101810 35JDF1	SEE101812 10JDF1	SEE101814 30JWP1	SEE101815 10JDF1	SEE101910 05JDF1	SEE101910 10JWP1	SEE101911 00JDF1	SEE101911 15JWP1	SEE101911 55JDF1	SEE101914 15JDF1	SEE101915 15JDF1	SEE102009 25JWP1	SEE102010 35JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
trans-1,2-Dichloroethylene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Trichloroethylene	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Trichlorofluoromethane	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 540	< 450	< 470	< 130	< 490	< 510	< 560	< 170	< 140
Vinyl acetate	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 8200	< 6800	< 7100	< 2000	< 7300	< 7600	< 8500	< 2500	< 2100
Vinyl chloride	ug/kg	< 36	< 7.9	< 4.6	< 39	< 33	< 33	< 33	< 1100	< 900	< 950	< 270	< 970	< 1000	< 1100	< 340	< 270
Xylenes	ug/kg	< 73	< 16	< 9.2	< 78	< 65	< 67	< 66	< 1600	< 1400	< 1400	< 400	< 1500	< 1500	< 1700	< 500	< 410

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/20/2010 10:45 AM	10/20/2010 12:30 PM	10/21/2010 10:10 AM	10/21/2010 10:35 AM	10/21/2010 1:45 PM	10/21/2010 2:30 PM	10/22/2010 10:55 AM	10/22/2010 11:10 AM	10/22/2010 2:50 PM	10/23/2010 10:15 AM	10/23/2010 11:00 AM	10/23/2010 11:25 AM	10/23/2010 11:45 AM	10/23/2010 2:35 PM
	Sample	SEE102010 45JDF1	SEE102012 30JDF1	SEE102110 10JWP1	SEE102110 35JDF1	SEE102113 45JWP1	SEE102114 30JDF1	SEE102210 55DWS1	SEE102211 10JDF1	SEE102214 50DWS1	SEE102310 15PML1	SEE102311 00JWP1	SEE102311 25PML1	SEE102311 45JWP1	SEE102314 35PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals															
Antimony	mg/kg	0.32	0.22	0.77	0.28	0.17	0.24	0.52	0.23	0.31	0.55	0.073	0.76	0.14	0.54
Antimony	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	mg/kg	13	7.8	23	9.7	6	10	14	8.3	10	19	6.9	21	3.8	24
Arsenic	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/kg	300	150	240	210	60	230	220	210	93	250	23	260	41	220
Barium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	mg/kg	0.41	0.24	0.57	0.31	0.2	0.32	0.43	< 0.77	0.22	0.45	0.13	0.45	0.091	0.36
Beryllium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/kg	2.9	1.8	3.4	2.4	0.53	2.1	2.9	1.8	0.89	3.1	< 0.13	2.7	0.41	2.3
Cadmium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	mg/kg	110	77	430	100	61	110	210	79	130	120	9.1	130	42	89
Chromium (Total)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	mg/kg	6.7	3.6	8.7	4.7	3	5.2	6.9	4.2	7.6	8.7	2.9	10	2.2	9.4
Cobalt	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/kg	50	33	110	43	15	40	66	33	26	56	3.3	50	14	39
Copper	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/kg	34000	19000	30000	25000	6000	24000	39000	25000	16000	40000	12000	46000	8200	43000
Iron	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/kg	81	49	160	66	29	68	120	55	50	88	4.4	87	17	73
Lead	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	mg/kg	1800	840	1100	1200	150	1100	1500	1200	410	1700	300	2100	410	2000
Manganese	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	mg/kg	0.35	0.35	0.65	0.32	0.042	0.31	0.45	0.25	0.29	0.43	0.015	0.45	0.062	0.34
Mercury (Total)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	mg/kg	1.1	0.67	2.8	0.89	0.45	0.77	< 1.7	< 1.9	< 1.1	< 1.7	0.63	< 1.6	< 0.51	< 1.4
Molybdenum	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/kg	24	15	97	20	39	27	70	23	89	32	6.4	34	15	23
Nickel	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/kg	2	1.8	2.3	1.7	0.96	1.6	1.3	1	0.47	2	0.17	1.8	0.33	1.7
Selenium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/kg	1.1	0.74	3.2	1.1	0.29	0.87	1.8	0.75	0.47	0.77	0.014	0.67	0.28	0.5
Silver	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/kg	0.28	0.11	0.45	0.27	0.13	0.28	< 0.67	< 0.77	< 0.43	0.31	0.036	0.37	0.056	0.3
Thallium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/kg	12	6.1	7.2	8.6	5.8	8.3	15	8.5	9.5	14	11	16	4.7	13
Vanadium	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/kg	230	170	510	200	77	190	310	160	170	270	19	280	67	240
Zinc	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB															
Aroclor 1016	ug/kg	< 230	< 240	< 180	< 230	< 87	< 200	< 170	< 200	< 81	< 210	< 53	< 200	< 61	< 180
Aroclor 1221	ug/kg	< 230	< 240	< 180	< 230	< 87	< 200	< 170	< 200	< 81	< 210	< 53	< 200	< 61	< 180
Aroclor 1232	ug/kg	< 230	< 240	< 180	< 230	< 87	< 200	< 170	< 200	< 81	< 210	< 53	< 200	< 61	< 180

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/20/2010 10:45 AM	10/20/2010 12:30 PM	10/21/2010 10:10 AM	10/21/2010 10:35 AM	10/21/2010 1:45 PM	10/21/2010 2:30 PM	10/22/2010 10:55 AM	10/22/2010 11:10 AM	10/22/2010 2:50 PM	10/23/2010 10:15 AM	10/23/2010 11:00 AM	10/23/2010 11:25 AM	10/23/2010 11:45 AM	10/23/2010 2:35 PM
	Sample	SEE102010 45JDF1	SEE102012 30JDF1	SEE102110 10JWP1	SEE102110 35JDF1	SEE102113 45JWP1	SEE102114 30JDF1	SEE102210 55DWS1	SEE102211 10JDF1	SEE102214 50DWS1	SEE102310 15PML1	SEE102311 00JWP1	SEE102311 25PML1	SEE102311 45JWP1	SEE102314 35PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Aroclor 1242	ug/kg	< 230	< 240	< 180	< 230	< 87	< 200	< 170	< 200	< 81	< 210	< 53	< 200	< 61	< 180
Aroclor 1248	ug/kg	< 230	< 240	< 180	< 230	< 87	< 200	< 170	< 200	< 81	< 210	< 53	< 200	< 61	< 180
Aroclor 1254	ug/kg	< 230	< 240	560	< 230	< 87	< 200	< 170	< 200	210	< 210	< 53	< 200	260	< 180
Aroclor 1260	ug/kg	< 230	< 240	< 180	< 230	< 87	< 200	< 170	< 200	< 81	< 210	< 53	< 200	< 61	< 180
Polychlorinated biphenyls (PCBs), total	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA															
1,2,4-Trichlorobenzene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
1,2-Dichlorobenzene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
1,3-Dichlorobenzene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
1,4-Dichlorobenzene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2,4,5-Trichlorophenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2,4,6-Trichlorophenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2,4-Dichlorophenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2,4-Dimethylphenol	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	< 1600	< 490	< 1500
2,4-Dinitrophenol	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
2,4-Dinitrotoluene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2,6-Dinitrotoluene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2-Chloronaphthalene	ug/kg	< 440	< 460	< 390	< 480	< 160	< 430	< 350	< 420	< 190	< 430	< 110	< 400	< 120	< 370
2-Chlorophenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2-Methyl-4,6-dinitrophenol	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	< 1600	< 490	< 1500
2-Methylnaphthalene	ug/kg	< 440	< 460	< 390	< 480	< 160	< 430	< 350	< 420	< 190	< 430	< 110	< 400	< 120	< 370
2-Methylphenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
2-Nitroaniline	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
2-Nitrophenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
3- And 4- Methylphenol (Total)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
3-Nitroaniline	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
4-Bromophenyl phenylether	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
4-Chloro-3-methylphenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
4-Chloroaniline	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
4-Chlorophenyl phenylether	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
4-Methylphenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
4-Nitroaniline	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
4-Nitrophenol	ug/kg	< 3600	< 3800	< 3200	< 4000	< 1400	< 3600	< 2900	< 3400	< 1600	< 3600	< 890	< 3300	< 980	< 3100
Acenaphthene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	< 44	< 140
Acenaphthylene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	< 44	< 140
Anthracene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	< 44	< 140
Benzo(a)anthracene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	94	< 160	< 40	< 150	47	96
Benzo(a)pyrene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	150	< 160	< 40	97	93	100
Benzo(b)fluoranthene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	52	< 160	< 40	92	27	110
Benzo(g,h,i)perylene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	36	84
Benzo(k)fluoranthene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	96	< 160	< 40	< 150	53	99
Bis(2-chloroethoxy) methane	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Bis(2-chloroethyl)ether	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Bis(2-chloroisopropyl) ether	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/20/2010 10:45 AM	10/20/2010 12:30 PM	10/21/2010 10:10 AM	10/21/2010 10:35 AM	10/21/2010 1:45 PM	10/21/2010 2:30 PM	10/22/2010 10:55 AM	10/22/2010 11:10 AM	10/22/2010 2:50 PM	10/23/2010 10:15 AM	10/23/2010 11:00 AM	10/23/2010 11:25 AM	10/23/2010 11:45 AM	10/23/2010 2:35 PM
	Sample	SEE102010 45JDF1	SEE102012 30JDF1	SEE102110 10JWP1	SEE102110 35JDF1	SEE102113 45JWP1	SEE102114 30JDF1	SEE102210 55DWS1	SEE102211 10JDF1	SEE102214 50DWS1	SEE102310 15PML1	SEE102311 00JWP1	SEE102311 25PML1	SEE102311 45JWP1	SEE102314 35PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Bis(2-ethylhexyl)phthalate	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	140	< 1500	120	54	110	< 440	600	33	480
Butyl benzyl phthalate	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Carbazole	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Chrysene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	69	< 160	< 40	91	32	110
Dibenzo(a,h)anthracene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	140	44	< 140
Dibenzofuran	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Diethyl phthalate	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	< 1600	< 490	< 1500
Dimethyl phthalate	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	< 1600	< 490	< 1500
Di-n-butyl phthalate	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	200	< 490	< 1500
Di-n-octyl phthalate	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Fluoranthene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	78	< 160	< 40	120	30	190
Fluorene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	< 44	< 140
Hexachlorobenzene (C-66)	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Hexachlorobutadiene (C-46)	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Hexachlorocyclopentadiene (C-56)	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	< 1600	< 490	< 1500
Hexachloroethane	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Indeno(1,2,3-c,d)pyrene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	160	< 160	< 40	< 150	110	< 140
Isophorone	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Naphthalene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	< 44	< 140
Nitrobenzene	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
n-Nitroso-di-n-propylamine	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
N-Nitrosodiphenylamine	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Pentachlorophenol	ug/kg	< 1800	< 1900	< 1600	< 2000	< 680	< 1800	< 1500	< 1700	< 800	< 1800	< 440	< 1600	< 490	< 1500
Phenanthrene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	< 73	< 160	< 40	< 150	< 44	< 140
Phenol	ug/kg	< 880	< 920	< 770	< 960	< 330	< 860	< 710	< 830	< 390	< 870	< 220	< 790	< 240	< 740
Pyrene	ug/kg	< 170	< 170	< 140	< 180	< 62	< 160	< 130	< 160	95	< 160	< 40	120	36	160
TPH															
Diesel Range Organics (C10-C20)	mg/kg	< 14	< 14	< 12	< 15	< 5.1	< 12	< 11	< 13	< 6.1	< 14	< 3.4	38	12	< 12
Diesel Range Organics (C10-C20)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/kg	< 11000	< 12000	< 9400	< 12000	< 4400	< 11000	< 9100	< 11000	< 4900	< 11000	< 2700	< 9900	< 3100	< 9300
Oil Range Organics (C20-C34)	mg/kg	< 14	< 14	< 12	< 15	< 5.1	< 12	< 11	< 13	35	46	< 3.4	45	23	< 12
Oil Range Organics (C20-C34)	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/kg	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC															
1,1,1,2-Tetrachloroethane	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
1,1,1-Trichloroethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,1,2,2-Tetrachloroethane	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,1,2-Trichloroethane	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
1,1-Dichloroethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,1-Dichloroethylene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,2,3-Trichloropropane	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
1,2,4-Trichlorobenzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,2,4-Trimethylbenzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,2-Dichlorobenzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/20/2010 10:45 AM	10/20/2010 12:30 PM	10/21/2010 10:10 AM	10/21/2010 10:35 AM	10/21/2010 1:45 PM	10/21/2010 2:30 PM	10/22/2010 10:55 AM	10/22/2010 11:10 AM	10/22/2010 2:50 PM	10/23/2010 10:15 AM	10/23/2010 11:00 AM	10/23/2010 11:25 AM	10/23/2010 11:45 AM	10/23/2010 2:35 PM
	Sample	SEE102010 45JDF1	SEE102012 30JDF1	SEE102110 10JWP1	SEE102110 35JDF1	SEE102113 45JWP1	SEE102114 30JDF1	SEE102210 55DWS1	SEE102211 10JDF1	SEE102214 50DWS1	SEE102310 15PML1	SEE102311 00JWP1	SEE102311 25PML1	SEE102311 45JWP1	SEE102314 35PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
1,2-Dichloroethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,2-Dichloropropane	ug/kg	< 2000	< 2000	< 1700	< 2200	< 760	< 1900	< 1600	< 1800	< 860	< 1900	< 480	< 1700	< 540	< 1600
1,3,5-Trimethylbenzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,3-Dichlorobenzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,3-Dichloropropene, cis	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
1,3-Dichloropropene, trans	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
1,4-Dichloro-2-butene, trans	ug/kg	< 2000	< 2000	< 1700	< 2200	< 760	< 1900	< 1600	< 1800	< 860	< 1900	< 480	< 1700	< 540	< 1600
1,4-Dichlorobenzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
2-Butanone (MEK)	ug/kg	< 4200	< 4400	< 3500	< 4600	< 1600	< 4100	< 3400	< 3900	< 1800	< 4100	< 1000	< 3700	< 1200	< 3500
2-Hexanone	ug/kg	< 2800	< 2900	< 2400	< 3100	< 1100	< 2700	< 2300	< 2600	< 1200	< 2700	< 680	< 2500	< 780	< 2300
2-Methylnaphthalene	ug/kg	< 1700	< 1700	< 1400	< 1900	< 660	< 1600	< 1400	< 1600	< 730	< 1600	< 410	< 1500	< 470	< 1400
4-Methyl-2-pentanone (MIBK)	ug/kg	< 2800	< 2900	< 2400	< 3100	< 1100	< 2700	< 2300	< 2600	< 1200	< 2700	< 680	< 2500	< 780	< 2300
Acetone	ug/kg	1700	< 2600	< 2100	< 2800	< 980	< 2400	< 2000	< 2400	< 1100	< 2400	550	< 2200	310	< 2100
Acrylonitrile	ug/kg	< 2200	< 2300	< 1900	< 2500	< 870	< 2200	< 1800	< 2100	< 980	< 2200	< 550	< 2000	< 620	< 1900
Benzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Bromochloromethane	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Bromodichloromethane	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Bromoform	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Bromomethane	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Carbon disulfide	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Carbon tetrachloride	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Chlorobenzene	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Chloroethane	ug/kg	< 1700	< 1700	< 1400	< 1900	< 660	< 1600	< 1400	< 1600	< 730	< 1600	< 410	< 1500	< 470	< 1400
Chloroform	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	180	< 240	< 540	< 140	< 500	< 160	< 470
Chloromethane	ug/kg	< 1700	< 1700	300	< 1900	< 660	< 1600	< 1400	< 1600	< 730	< 1600	< 410	< 1500	< 470	< 1400
cis-1,2-Dichloroethylene	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Dibromochloromethane	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Dibromochloropropane	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Dibromomethane	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Dichlorodifluoromethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Diethyl ether	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Ethylbenzene	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Ethylene dibromide	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Hexachloroethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Isopropyl benzene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
m&p-Xylene	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Methyl Iodide	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Methylene chloride	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Methyl-tert-butyl ether (MTBE)	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Naphthalene	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
n-Propylbenzene	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
o-Xylene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Styrene	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700
Tetrachloroethylene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Toluene	ug/kg	< 840	< 870	< 710	< 930	< 330	< 810	< 680	< 790	< 370	< 820	< 210	< 740	< 230	< 700

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/20/2010 10:45 AM	10/20/2010 12:30 PM	10/21/2010 10:10 AM	10/21/2010 10:35 AM	10/21/2010 1:45 PM	10/21/2010 2:30 PM	10/22/2010 10:55 AM	10/22/2010 11:10 AM	10/22/2010 2:50 PM	10/23/2010 10:15 AM	10/23/2010 11:00 AM	10/23/2010 11:25 AM	10/23/2010 11:45 AM	10/23/2010 2:35 PM
	Sample	SEE102010 45JDF1	SEE102012 30JDF1	SEE102110 10JWP1	SEE102110 35JDF1	SEE102113 45JWP1	SEE102114 30JDF1	SEE102210 55DWS1	SEE102211 10JDF1	SEE102214 50DWS1	SEE102310 15PML1	SEE102311 00JWP1	SEE102311 25PML1	SEE102311 45JWP1	SEE102314 35PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
trans-1,2-Dichloroethylene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Trichloroethylene	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Trichlorofluoromethane	ug/kg	< 560	< 580	< 470	< 620	< 220	< 540	< 450	< 530	< 240	< 540	< 140	< 500	< 160	< 470
Vinyl acetate	ug/kg	< 8400	< 8700	< 7100	< 9300	< 3300	< 8100	< 6800	< 7900	< 3700	< 8200	< 2100	< 7400	< 2300	< 7000
Vinyl chloride	ug/kg	< 1100	< 1200	< 940	< 1200	< 440	< 1100	< 910	< 1100	< 490	< 1100	< 270	< 990	< 310	< 930
Xylenes	ug/kg	< 1700	< 1700	< 1400	< 1900	< 660	< 1600	220	< 1600	190	< 1600	< 410	< 1500	< 470	< 1400

Table 3-c. Morrow Lake Sediment Analytical Results October 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 3-d. Morrow Lake Sediment Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	11/1/2010 11:05 AM	11/2/2010 8:45 AM	11/2/2010 10:25 AM	11/18/2010 10:00 AM	11/18/2010 11:00 AM	11/18/2010 1:20 PM	11/29/2010 9:55 AM	11/29/2010 10:45 AM	11/29/2010 11:35 AM	11/29/2010 11:35 AM
	Sample			SEE110111 05JDF1	SEE110208 45JDF1	SEE110210 25JDF1	SEE111810 00JDF3	SEE111811 00JDF1	SEE111813 20JDF1	SEE112909 55JDF1	SEE112910 45JDF1	SEE112911 35JDF1	SEE112911 35JDF2
Analyte	Units			Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate
Metals													
Beryllium	mg/kg	NCE	NCE	< 0.28	0.082	0.4	0.13	0.095	0.35	0.46	0.11	0.13	0.11
Iron	mg/kg	NCE	NCE	20000	9300	36000	16000	9000	28000	33000	8800	14000	13000
Mercury (Total)	mg/kg	1.06	0.174	0.11	0.014	0.31	0.096	0.035	0.28	0.34	0.015	0.28	0.086
Molybdenum	mg/kg	NCE	NCE	0.29	< 0.24	1	0.25	0.24	0.93	1.5	< 0.24	< 0.33	< 0.26
Nickel	mg/kg	48.6	22.7	15	5.1	27	12	5.6	22	25	5.4	12	11
Titanium	mg/kg	NCE	NCE	55	51	140	53	67	140	150	53	57	55
Vanadium	mg/kg	NCE	NCE	5.1	4.3	9.6	5.6	4.9	11	10	4.4	4.8	4.6
PNA													
2-Methylnaphthalene	ug/kg	NCE	20.2	< 170	< 120	< 500	< 150	< 120	< 430	< 1000	< 120	< 180	< 290
Naphthalene	ug/kg	561	176	< 63	< 44	< 190	< 57	< 44	< 160	< 380	< 45	< 67	63
Phenanthrene	ug/kg	1170	204	< 63	50	< 190	< 57	< 44	< 160	< 380	< 45	< 67	< 110
TPH													
Diesel Range Organics (C10-C20)	mg/kg	NCE	NCE	< 5.2	8.4	< 16	33	< 3.6	< 13	< 16	< 3.7	< 5.6	< 4.5
Gasoline Range Organics (C6-C10)	ug/kg	NCE	NCE	< 4200	< 2900	< 13000	< 3900	< 3000	< 11000	< 13000	< 3200	< 4300	< 3800
Oil Range Organics (C20-C34)	mg/kg	NCE	NCE	45	42	< 16	120	< 3.6	< 13	150	29	64	54
VOC													
1,2,3-Trimethylbenzene	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
2-Methylnaphthalene	ug/kg	NCE	20.2	< 630	< 440	< 1900	< 5.8	< 440	< 1600	< 1900	< 470	< 650	< 570
Benzene	ug/kg	NCE	142	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
Cyclohexane	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
Ethylbenzene	ug/kg	NCE	175	< 420	< 290	< 1300	< 3.9	< 300	< 1100	< 1300	< 320	< 430	< 380
Isopropyl benzene	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
m&p-Xylene	ug/kg	NCE	NCE	< 420	< 290	< 1300	< 3.9	< 300	< 1100	< 1300	< 320	< 430	< 380
Naphthalene	ug/kg	561	176	< 420	< 290	< 1300	< 3.9	< 300	< 1100	< 1300	< 320	< 430	< 380
n-Propylbenzene	ug/kg	NCE	NCE	< 420	< 290	< 1300	< 3.9	< 300	< 1100	< 1300	< 320	< 430	< 380
o-Xylene	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
p-Isopropyl toluene (p-Cymene)	ug/kg	NCE	NCE	< 2000	< 1400	< 6000	< 18	< 1400	< 5100	< 6100	< 1500	< 2100	< 1800
sec-Butylbenzene	ug/kg	NCE	NCE	< 210	< 150	< 630	< 1.9	< 150	< 540	< 640	< 160	< 220	< 190
Toluene	ug/kg	NCE	1220	< 310	< 220	< 950	< 2.9	< 220	< 810	< 960	< 240	< 330	< 290
Xylenes	ug/kg	NCE	433	< 420	< 290	< 1300	< 3.90	< 300	< 1100	< 1300	< 320	< 430	< 380

Table 3-d. Morrow Lake Sediment Analytical Results November 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 3-e. Morrow Lake Sediment Analytical Results December 2010-March 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	3/30/2011 9:25 AM	3/30/2011 11:30 AM	3/30/2011 3:30 PM
	Sample			SEE033009 25PMB3	SEE033011 30PMB1	SEE033015 30PMB1
	Units			Result	Result	Result
Metals						
Beryllium	mg/kg	NCE	NCE	0.1	0.1	0.35
Iron	mg/kg	NCE	NCE	12000	13000	29000
Mercury (Total)	mg/kg	1.06	0.174	0.099	0.05	0.27
Molybdenum	mg/kg	NCE	NCE	< 0.52	0.24	0.76
Nickel	mg/kg	48.6	22.7	7.7	7.9	23
Titanium	mg/kg	NCE	NCE	63	60	140
Vanadium	mg/kg	NCE	NCE	5.9	5.5	13
PNA						
2-Methylnaphthalene	ug/kg	NCE	20.2	< 140	< 140	< 450
Naphthalene	ug/kg	561	176	< 51	< 52	< 170
Phenanthrene	ug/kg	1170	204	< 51	< 52	< 170
TPH						
Diesel Range Organics (C10-C20)	mg/kg	NCE	NCE	2.8	4.3	< 23
Gasoline Range Organics (C6-C10)	ug/kg	NCE	NCE	< 3400	< 3500	< 12000
Oil Range Organics (C20-C34)	mg/kg	NCE	NCE	45	28	39
VOC						
1,2,3-Trimethylbenzene	ug/kg	NCE	NCE	< 170	< 170	< 580
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	< 170	< 170	< 580
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	< 170	< 170	< 580
2-Methylnaphthalene	ug/kg	NCE	20.2	< 510	< 520	< 1800
Benzene	ug/kg	NCE	142	< 170	< 170	< 580
Cyclohexane	ug/kg	NCE	NCE	< 170	< 170	< 580
Ethylbenzene	ug/kg	NCE	175	< 340	< 350	< 1200
Isopropyl benzene	ug/kg	NCE	NCE	< 170	< 170	< 580
m&p-Xylene	ug/kg	NCE	NCE	< 340	< 350	< 1200
Naphthalene	ug/kg	561	176	< 340	< 350	< 1200
n-Propylbenzene	ug/kg	NCE	NCE	< 340	< 350	< 1200
o-Xylene	ug/kg	NCE	NCE	< 170	< 170	< 580
p-Isopropyl toluene (p-Cymene)	ug/kg	NCE	NCE	< 1600	< 1600	< 5600
sec-Butylbenzene	ug/kg	NCE	NCE	< 170	< 170	< 580
Toluene	ug/kg	NCE	1220	< 250	< 260	< 880
Xylenes	ug/kg	NCE	433	< 340	< 350	< 1200

Table 3-e. Morrow Lake Sediment Analytical Results December 2010-March 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 3-f. Morrow Lake Sediment Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	4/14/2011 9:30 AM	4/14/2011 10:05 AM	4/14/2011 10:30 AM	4/28/2011 11:20 AM	4/28/2011 12:20 PM	4/28/2011 1:05 PM
	Sample			SEE041409 30PMB1	SEE041410 05PMB1	SEE041410 30PMB1	SEE042811 20NAC1	SEE042812 20NAC1	SEE042813 05NAC1
	Units			Result	Result	Result	Result	Result	Result
Metals									
Beryllium	mg/kg	NCE	NCE	0.13	0.091	0.41	0.069	0.17	0.32
Iron	mg/kg	NCE	NCE	13000	7200	31000	8400	25000	29000
Mercury (Total)	mg/kg	1.06	0.174	0.48	0.017	0.3	0.017	0.13	0.26
Molybdenum	mg/kg	NCE	NCE	< 0.53	< 0.32	< 1.3	< 0.39	< 0.77	< 1.5
Nickel	mg/kg	48.6	22.7	9.2	4.9	32	6.5	15	24
Titanium	mg/kg	NCE	NCE	95	86	150	73	93	150
Vanadium	mg/kg	NCE	NCE	6.6	6.6	9.3	5.6	9.7	12
PNA									
2-Methylnaphthalene	ug/kg	NCE	20.2	< 140	< 100	< 340	< 110	< 170	< 410
Naphthalene	ug/kg	561	176	< 52	< 38	< 130	< 41	33	< 150
Phenanthrene	ug/kg	1170	204	< 52	< 38	< 130	34	55	< 150
TPH									
Diesel Range Organics (C10-C20)	mg/kg	NCE	NCE	5.5	< 5.2	< 18	5.1	6.9	< 21
Gasoline Range Organics (C6-C10)	ug/kg	NCE	NCE	< 4100	< 2700	< 9300	< 2700	< 4900	< 10000
Oil Range Organics (C20-C34)	mg/kg	NCE	NCE	35	48	< 18	49	74	65
VOC									
1,2,3-Trimethylbenzene	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
2-Methylnaphthalene	ug/kg	NCE	20.2	< 610	< 400	< 1400	< 410	< 740	< 1600
Benzene	ug/kg	NCE	142	< 200	< 130	< 460	< 140	< 250	< 520
Cyclohexane	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
Ethylbenzene	ug/kg	NCE	175	< 410	< 270	< 930	< 270	< 490	< 1000
Isopropyl benzene	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
m&p-Xylene	ug/kg	NCE	NCE	< 410	< 270	< 930	< 270	< 490	< 1000
Naphthalene	ug/kg	561	176	< 410	< 270	< 930	< 270	< 490	< 1000
n-Propylbenzene	ug/kg	NCE	NCE	< 410	< 270	< 930	< 270	< 490	< 1000
o-Xylene	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
p-Isopropyl toluene (p-Cymene)	ug/kg	NCE	NCE	< 1900	< 1300	< 4400	< 1300	< 2300	< 5000
sec-Butylbenzene	ug/kg	NCE	NCE	< 200	< 130	< 460	< 140	< 250	< 520
Toluene	ug/kg	NCE	1220	< 310	< 200	< 700	< 210	< 370	< 780
Xylenes	ug/kg	NCE	433	< 410	< 270	< 930	< 270	< 490	< 1000

Table 3-f. Morrow Lake Sediment Analytical Results April 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 3-g. Morrow Lake Sediment Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	PROBABLE EFFECT CONCENTRATION	ECOLOGICAL SCREENING LEVELS	5/9/2011 10:00 AM	5/9/2011 10:30 AM	5/9/2011 10:30 AM	5/9/2011 11:20 AM	5/24/2011 11:35 AM	5/24/2011 12:10 PM	5/24/2011 12:10 PM	5/24/2011 12:40 PM	6/6/2011 10:35 AM	6/6/2011 10:35 AM	6/6/2011 11:10 AM	6/6/2011 11:40 AM
	Sample			SEE050910 00PMB1	SEE050910 30PMB1	SEE050910 30PMB2	SEE050911 20PMB1	SEE052411 35PMB3	SEE052412 10PMB1	SEE052412 10PMB2	SEE052412 40PMB1	SEE060610 35PMB1	SEE060610 35PMB2	SEE060611 10PMB1	SEE060611 40PMB1
Analyte	Units			Result	Result	Duplicate	Result	Result	Result	Duplicate	Result	Result	Duplicate	Result	Result
Metals															
Beryllium	mg/kg	NCE	NCE	0.065	0.092	0.071	0.41	0.18	0.071	0.066	0.34	0.12	0.11	0.059	0.35
Iron	mg/kg	NCE	NCE	7400	7100	6300	30000	16000	5800	6500	23000	12000	12000	6700	28000
Mercury (Total)	mg/kg	1.06	0.174	0.014	0.0089	0.0098	0.27	0.091	0.0023	< 0.024	0.25	0.058	0.039	0.0051	0.25
Molybdenum	mg/kg	NCE	NCE	< 0.45	0.11	0.21	0.84	0.49	0.11	0.13	0.83	< 0.4	< 0.44	< 0.37	< 1.2
Nickel	mg/kg	48.6	22.7	6.7	4.8	4.6	23	8	3.9	4.2	21	10	11	5.1	23
Titanium	mg/kg	NCE	NCE	80	63	65	160	57	45	60	110	69	73	87	150
Vanadium	mg/kg	NCE	NCE	4	4.8	4	8.6	6.3	3.2	4.1	6.8	5.7	5.9	5.4	12
PNA															
2-Methylnaphthalene	ug/kg	NCE	20.2	< 120	< 110	< 110	< 410	< 120	< 100	< 100	< 350	< 120	< 130	< 110	< 380
Acenaphthene	ug/kg	NCE	6.71	< 44	< 42	< 42	< 150	< 46	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Acenaphthylene	ug/kg	NCE	5.87	< 44	< 42	< 42	< 150	< 46	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Anthracene	ug/kg	845	57.2	< 44	< 42	< 42	< 150	< 46	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Benzo(a)anthracene	ug/kg	1050	108	17	< 42	< 42	< 150	33	< 38	< 39	< 130	29	< 48	< 40	< 140
Benzo(a)pyrene	ug/kg	1450	150	< 44	< 42	< 42	< 150	44	< 38	< 39	< 130	25	< 48	< 40	< 140
Benzo(b)fluoranthene	ug/kg	NCE	10400	15	< 42	< 42	< 150	44	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Benzo(g,h,i)perylene	ug/kg	NCE	170	16	< 42	< 42	< 150	56	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Benzo(k)fluoranthene	ug/kg	NCE	240	< 44	< 42	< 42	< 150	33	< 38	< 39	< 130	46	< 48	< 40	< 140
Chrysene	ug/kg	1290	166	< 44	< 42	< 42	< 150	38	18	17	< 130	29	21	< 40	< 140
Dibenzo(a,h)anthracene	ug/kg	NCE	33	< 44	< 42	< 42	< 150	38	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Fluoranthene	ug/kg	2230	423	23	24	19	< 150	41	29	21	< 130	42	33	< 40	< 140
Fluorene	ug/kg	536	77.4	< 44	< 42	< 42	< 150	< 46	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Indeno(1,2,3-c,d)pyrene	ug/kg	NCE	200	< 44	< 42	< 42	< 150	48	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Naphthalene	ug/kg	561	176	< 44	< 42	< 42	< 150	< 46	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Phenanthrene	ug/kg	1170	204	< 44	< 42	< 42	< 150	< 46	< 38	< 39	< 130	< 44	< 48	< 40	< 140
Pyrene	ug/kg	1520	195	23	20	< 42	< 150	40	24	< 39	< 130	34	27	< 40	< 140
TPH															
Diesel Range Organics (C10-C20)	mg/kg	NCE	NCE	< 3.6	2.5	2.4	< 13	< 6.4	< 5.3	< 5.4	< 18	< 6.2	< 6.6	< 5.6	< 20
Gasoline Range Organics (C6-C10)	mg/kg	NCE	NCE	< 2.9	< 2.8	< 2.9	< 11	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/kg	NCE	NCE	---	---	---	---	< 3100	< 2700	< 2700	< 9100	< 3100	< 3200	< 2700	< 9600
Oil Range Organics (C20-C34)	mg/kg	NCE	NCE	29	15	22	< 13	23	18	11	52	< 6.2	< 6.6	< 5.6	< 20
VOC															
1,2,3-Trimethylbenzene	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
1,2,4-Trimethylbenzene	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	110	< 130	< 130	< 450	< 150	< 160	< 130	< 480
1,3,5-Trimethylbenzene	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
2-Methylnaphthalene	ug/kg	NCE	20.2	< 440	< 430	< 420	< 1600	< 470	< 400	< 400	< 1400	< 460	< 480	< 400	< 1400
Benzene	ug/kg	NCE	142	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
Cyclohexane	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
Ethylbenzene	ug/kg	NCE	175	< 290	< 280	< 280	< 1100	< 310	< 270	< 270	< 910	< 310	< 320	< 270	< 960
Isopropyl benzene	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
m&p-Xylene	ug/kg	NCE	NCE	< 290	< 280	< 280	< 1100	< 310	< 270	< 270	< 910	< 310	< 320	< 270	< 960
Naphthalene	ug/kg	561	176	< 290	< 280	< 280	< 1100	< 310	< 270	< 270	< 910	< 310	< 320	< 270	< 960
n-Propylbenzene	ug/kg	NCE	NCE	< 290	< 280	< 280	< 1100	< 310	< 270	< 270	< 910	< 310	< 320	< 270	< 960
o-Xylene	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
p-Isopropyl toluene (p-Cymene)	ug/kg	NCE	NCE	< 1400	< 1300	< 1300	< 5000	< 1500	< 1300	< 1300	< 4300	< 1400	< 1500	< 1300	< 4500
sec-Butylbenzene	ug/kg	NCE	NCE	< 150	< 140	< 140	< 530	< 160	< 130	< 130	< 450	< 150	< 160	< 130	< 480
Toluene	ug/kg	NCE	1220	< 220	< 210	< 210	< 790	< 240	< 200	< 200	< 680	< 230	< 240	< 200	< 720
Xylenes	ug/kg	NCE	433	< 290	< 280	< 280	< 1100	< 310	< 270	< 270	< 910	< 310	< 320	< 270	< 960

Table 3-g. Morrow Lake Sediment Analytical Results May-June 10, 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Bold values are concentrations detected above the method detection level.
Shaded values exceed applicable criteria
NLL = Hazardous substance is not likely to leach under most soil conditions.
NLV = Hazardous substance is not likely to volatilize under most conditions.
--- = Not completed/not analyzed
NCE = No Criteria Established
NA = Not Applicable
ug/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
PPM = parts per million
PPB = parts per billion

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	8/7/2010 7:00 PM	8/7/2010 7:45 PM	8/7/2010 7:50 PM	8/7/2010 7:55 PM	8/7/2010 8:05 PM	8/8/2010 5:30 PM	8/8/2010 5:45 PM	8/8/2010 6:20 PM	8/8/2010 6:20 PM	8/8/2010 7:15 PM	8/9/2010 3:08 PM	8/9/2010 3:29 PM
	Sample						WS0807190 0PDS1	WS0807194 5PDS1	WS0807195 0PDS1	WS0807195 5PDS1	WS0807200 5PDS1	WS0808173 0DMH1	WS0808174 5DMH1	WS0808182 0DMH1	WS0808182 0DMH2	WS0808191 5DMH1	WS0809150 8DLJ1	WS0809152 9DLJ1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Carbon																		
Total Organic Carbon	mg/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Metals																		
Aluminum	mg/l	NCE	NCE	NCE	NCE	NCE	0.083	0.058	0.07	< 0.05	< 0.05	---	---	---	---	---	---	---
Aluminum	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	120	80	90	66	34	184	183
Antimony	mg/l	1.1	2.3	0.24	NCE	0.13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---
Antimony	ug/l	1100	2300	240	NCE	130	---	---	---	---	---	< 3	< 3	< 3	< 3	< 3	< 2	< 2
Arsenic	mg/l	0.34	0.68	0.15	NCE	0.28	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---
Arsenic	ug/l	340	680	150	NCE	280	---	---	---	---	---	1.9	1.8	1.7	1.6	1.6	1.9	1.8
Barium	mg/l	NCE	NCE	NCE	NCE	160	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	---	---	---	---	---	---	---
Barium	ug/l	NCE	NCE	NCE	NCE	160000	---	---	---	---	---	65	66	64	63	64	65	62.7
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---
Beryllium	ug/l	NCE	NCE	NCE	NCE	1200	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	NCE	NCE	NCE	NCE	0.13	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---	---	---
Cadmium	ug/l	NCE	NCE	NCE	NCE	130	---	---	---	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1
Calcium	mg/l	NCE	NCE	NCE	NCE	NCE	78	76	77	74	76	---	---	---	---	---	---	---
Calcium	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	87000	89000	84000	81000	83000	77500	75800
Chromium (Total)	mg/l	NCE	NCE	NCE	NCE	9.4	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	---	---	---	---	---	---	---
Chromium (Total)	ug/l	NCE	NCE	NCE	NCE	9400	---	---	---	---	---	0.73	0.55	0.53	< 5	< 5	1.1	1.1
Cobalt	mg/l	0.37	0.74	0.1	NCE	NCE	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	---	---	---	---	---	---	---
Cobalt	ug/l	370	740	100	NCE	NCE	---	---	---	---	---	0.19	0.16	0.21	0.19	0.15	0.19	0.19
Copper	mg/l	NCE	NCE	NCE	NCE	38	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	---	---	---	---	---	---	---
Copper	ug/l	NCE	NCE	NCE	NCE	38000	---	---	---	---	---	1.2	1.1	0.98	1.4	0.88	1.1	1.2
Hardness	mg/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.59	0.44	0.53	0.38	0.38	---	---	---	---	---	---	---
Iron	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	630	530	440	390	340	439	476
Lead	mg/l	NCE	NCE	NCE	NCE	0.19	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	---	---	---
Lead	ug/l	NCE	NCE	NCE	NCE	190	---	---	---	---	---	1.1	0.83	0.68	0.65	0.58	0.96	0.98
Magnesium	mg/l	NCE	NCE	NCE	NCE	NCE	21	21	21	21	21	---	---	---	---	---	---	---
Magnesium	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	24000	25000	24000	23000	24000	22700	22600
Manganese	mg/l	NCE	NCE	NCE	NCE	59	0.081	0.06	0.072	0.058	0.057	---	---	---	---	---	---	---
Manganese	ug/l	NCE	NCE	NCE	NCE	59000	---	---	---	---	---	94	83	60	59	64	88.6	91.5
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	0.00032	< 0.0002	< 0.0002	---	---	---	---	---	---	---
Mercury (Total)	ug/l	NCE	NCE	NCE	NCE	0.0018	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	29	58	3.2	NCE	10	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	29000	58000	3200	NCE	10000	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	NCE	NCE	NCE	NCE	210	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	---	---	---	---	---	---	---
Nickel	ug/l	NCE	NCE	NCE	NCE	210000	---	---	---	---	---	0.95	0.8	0.83	0.76	0.74	0.81	0.8
Potassium	mg/l	NCE	NCE	NCE	NCE	NCE	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---
Potassium	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	1800	1800	1800	1700	1700	1830	1790
Selenium	mg/l	0.062	0.12	0.005	NCE	2.7	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---	---	---
Selenium	ug/l	62	120	5	NCE	2700	---	---	---	---	---	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5	< 5
Silver	mg/l	0.00054	0.0011	6e-005	NCE	11	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---	---	---
Silver	ug/l	0.54	1.1	0.06	NCE	11000	---	---	---	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 0.2

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	8/7/2010 7:00 PM	8/7/2010 7:45 PM	8/7/2010 7:50 PM	8/7/2010 7:55 PM	8/7/2010 8:05 PM	8/8/2010 5:30 PM	8/8/2010 5:45 PM	8/8/2010 6:20 PM	8/8/2010 6:20 PM	8/8/2010 7:15 PM	8/9/2010 3:08 PM	8/9/2010 3:29 PM
	Sample						WS0807190 0PDS1	WS0807194 5PDS1	WS0807195 0PDS1	WS0807195 5PDS1	WS0807200 5PDS1	WS0808173 0DMH1	WS0808174 5DMH1	WS0808182 0DMH1	WS0808182 0DMH2	WS0808191 5DMH1	WS0809150 8DLJ1	WS0809152 9DLJ1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Sodium	mg/l	NCE	NCE	NCE	NCE	NCE	18	18	18	17	18	---	---	---	---	---	---	---
Sodium	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	20000	21000	20000	19000	20000	19100	19100
Thallium	mg/l	0.047	0.094	0.0072	NCE	0.0037	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---	---	---
Thallium	ug/l	47	94	7.2	NCE	3.7	---	---	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	---	---	---	---	---	---	---
Vanadium	ug/l	110	220	12	NCE	540	---	---	---	---	---	0.68	0.64	0.61	0.55	0.5	< 10	< 10
Zinc	mg/l	NCE	NCE	NCE	NCE	16	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---	---	---
Zinc	ug/l	NCE	NCE	NCE	NCE	16000	---	---	---	---	---	23	9.9	9.9	8.7	< 20	2.4	< 50
PCB																		
Aroclor 1016	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Aroclor 1221	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Aroclor 1232	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Aroclor 1242	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Aroclor 1248	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Aroclor 1254	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Aroclor 1260	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.2	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	---	---
PNA																		
1,2,4-Trichlorobenzene	ug/l	100	200	30	NCE	99	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
1,2-Dichlorobenzene	ug/l	120	240	13	NCE	11000	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 1	< 1
1,3-Dichlorobenzene	ug/l	100	200	28	NCE	65	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 1	< 1
1,4-Dichlorobenzene	ug/l	100	210	17	240	11000	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 1	< 1
2,4,5-Trichlorophenol	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 11	< 5	< 5
2,4,6-Trichlorophenol	ug/l	39	79	5	290	14000	< 4	< 4	< 4	< 4	< 4	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 4	< 4
2,4-Dichlorophenol	ug/l	92	180	11	NCE	1100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 10	< 10
2,4-Dimethylphenol	ug/l	1300	2700	380	NCE	8700	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 11	< 5	< 5
2,4-Dinitrophenol	ug/l	130	270	19	NCE	2800	< 25	< 25	< 25	< 25	< 25	< 20	< 21	< 21	< 20	< 21	< 25	< 25
2,4-Dinitrotoluene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
2,6-Dinitrotoluene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 0.51	< 0.52	< 0.52	< 0.51	< 0.53	< 5	< 5
2-Chloronaphthalene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
2-Chlorophenol	ug/l	160	320	18	NCE	400	< 10	< 10	< 10	< 10	< 10	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 10	< 10
2-Methyl-4,6-dinitrophenol	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	< 20	< 20	< 20	< 20	< 20	< 21	< 21	< 20	< 21	< 20	< 20
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 5	< 5	< 5	< 5	< 5	< 0.51	< 0.52	< 0.52	< 0.51	< 0.53	< 5	< 5
2-Methylphenol	ug/l	740	1500	82	NCE	44000	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 10	< 10
2-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 25	< 25	< 25	< 25	< 25	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 25	< 25
2-Nitrophenol	ug/l	510	1000	56	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 11	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	< 2	< 2.1	< 2.1	< 2	< 2.1	< 2	< 2
3,3'-Dichlorobenzidine	ug/l	41	81	4.5	0.2	950	< 5	< 5	< 5	< 5	< 5	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 4	< 4
3-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 25	< 25	< 25	< 25	< 25	< 10	< 10	< 10	< 10	< 11	< 25	< 25
4-Bromophenyl phenylether	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 5	< 5
4-Chloro-3-methylphenol	ug/l	67	130	7.4	NCE	39000	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 11	< 5	< 5
4-Chloroaniline	ug/l	NCE	NCE	NCE	72	1400	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 10	< 10
4-Chlorophenyl phenylether	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 5	< 5
4-Methylphenol	ug/l	230	450	25	NCE	45000	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	8/7/2010 7:00 PM	8/7/2010 7:45 PM	8/7/2010 7:50 PM	8/7/2010 7:55 PM	8/7/2010 8:05 PM	8/8/2010 5:30 PM	8/8/2010 5:45 PM	8/8/2010 6:20 PM	8/8/2010 6:20 PM	8/8/2010 7:15 PM	8/9/2010 3:08 PM	8/9/2010 3:29 PM
	Sample						WS0807190 0PDS1	WS0807194 5PDS1	WS0807195 0PDS1	WS0807195 5PDS1	WS0807200 5PDS1	WS0808173 0DMH1	WS0808174 5DMH1	WS0808182 0DMH1	WS0808182 0DMH2	WS0808191 5DMH1	WS0809150 8DLJ1	WS0809152 9DLJ1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
4-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 25	< 25	< 25	< 25	< 25	< 10	< 10	< 10	< 10	< 11	< 25	< 25
4-Nitrophenol	ug/l	940	1900	200	NCE	18000	< 25	< 25	< 25	< 25	< 25	< 20	< 21	< 21	< 20	< 21	< 25	< 25
Acenaphthene	ug/l	100	200	38	NCE	890	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Acenaphthylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Anthracene	ug/l	NCE	NCE	NCE	NCE	2400	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Benzo(a)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 1	< 1
Benzo(a)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 1	< 1
Benzo(b)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 1	< 1
Benzo(g,h,i)perylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1	< 1
Benzo(k)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 1	< 1
Bis(2-chloroethoxy) methane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	NCE	NCE	NCE	15	NCE	< 1	< 1	< 1	< 1	< 1	< 2	< 2.1	< 2.1	< 2	< 2.1	< 1	< 1
Bis(2-chloroisopropyl) ether	ug/l	NCE	NCE	NCE	290	47000	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	285	285	NCE	32	160	< 5	< 5	< 5	< 5	< 5	< 10	< 10	5.4	< 10	< 11	< 5	< 5
Butyl benzyl phthalate	ug/l	310	630	67	NCE	160	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
Carbazole	ug/l	36	72	4	41	NCE	< 10	< 10	< 10	< 10	< 10	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 10	< 10
Chrysene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 0.51	< 0.52	< 0.52	< 0.51	< 0.53	< 1	< 1
Dibenzo(a,h)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 0.31	< 0.31	< 0.31	< 0.31	< 0.32	< 2	< 2
Dibenzofuran	ug/l	36	72	4	NCE	NCE	< 4	< 4	< 4	< 4	< 4	< 2	< 2.1	< 2.1	< 2	< 2.1	< 4	< 4
Diethyl phthalate	ug/l	980	2000	110	NCE	40000	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
Dimethyl phthalate	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
Di-n-butyl phthalate	ug/l	38	75	9.7	NCE	690	< 5	< 5	< 5	< 5	< 5	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 5	< 5
Di-n-octyl phthalate	ug/l	NCE	NCE	NCE	NCE	300	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 11	< 5	< 5
Fluoranthene	ug/l	14	28	1.6	NCE	18	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1	< 1
Fluorene	ug/l	110	220	12	NCE	160	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	NCE	NCE	NCE	0.00045	0.046	< 1	< 1	< 1	< 1	< 1	< 0.51	< 0.52	< 0.52	< 0.51	< 0.53	< 0.2	< 0.2
Hexachlorobutadiene (C-46)	ug/l	7	15	1	0.35	0.098	< 1	< 1	< 1	< 1	< 1	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 1	< 1
Hexachlorocyclopentadiene (C-56)	ug/l	NCE	NCE	NCE	NCE	450	< 5	< 5	< 5	< 5	< 5	< 20	< 21	< 21	< 20	< 21	< 5	< 5
Hexachloroethane	ug/l	110	210	13	6.7	7.6	< 5	< 5	< 5	< 5	< 5	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 0.2	< 0.21	< 0.21	< 0.2	< 0.21	< 2	< 2
Isophorone	ug/l	4600	9200	1300	8200	110000	< 5	< 5	< 5	< 5	< 5	< 2	< 2.1	< 2.1	< 2	< 2.1	< 5	< 5
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Nitrobenzene	ug/l	1000	2100	220	180	730	< 3	< 3	< 3	< 3	< 3	< 1	< 1	< 1	< 1	< 1.1	< 3	< 3
n-Nitroso-di-n-propylamine	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 0.51	< 0.52	< 0.52	< 0.51	< 0.53	< 5	< 5
N-Nitrosodiphenylamine	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Pentachlorophenol	ug/l	NCE	NCE	NCE	2.8	450	< 2	< 2	< 2	< 2	< 2	< 20	< 21	< 21	< 20	< 21	< 5	< 5
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1.1	< 2	< 2
Phenol	ug/l	3400	6800	450	NCE	1200	< 5	< 5	< 5	< 5	< 5	< 5.1	< 5.2	< 5.2	< 5.1	< 5.3	< 5	< 5
Pyrene	ug/l	NCE	NCE	NCE	NCE	15	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1.1	< 5	< 5
Solids																		
Total Suspended Solids	mg/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
TPH																		
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	< 260	< 260	< 260	< 260	< 270	22	26

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	8/7/2010 7:00 PM	8/7/2010 7:45 PM	8/7/2010 7:50 PM	8/7/2010 7:55 PM	8/7/2010 8:05 PM	8/8/2010 5:30 PM	8/8/2010 5:45 PM	8/8/2010 6:20 PM	8/8/2010 6:20 PM	8/8/2010 7:15 PM	8/9/2010 3:08 PM	8/9/2010 3:29 PM
	Sample						WS0807190 0PDS1	WS0807194 5PDS1	WS0807195 0PDS1	WS0807195 5PDS1	WS0807200 5PDS1	WS0808173 0DMH1	WS0808174 5DMH1	WS0808182 0DMH1	WS0808182 0DMH2	WS0808191 5DMH1	WS0809150 8DLJ1	WS0809152 9DLJ1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	< 510	< 510	< 510	< 510	< 530	64	74
Specific Identification of Gasoline	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 50	< 50	< 50	< 50	< 50	< 100	< 100
VOC																		
1,1,1,2-Tetrachloroethane	ug/l	NCE	NCE	NCE	100	3500	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	800	1600	89	NCE	42000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	910	1800	200	78	4300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	280	570	32	NCE	1.834e+006	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	3200	6400	730	330	3000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	6600	13000	740	NCE	62000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	1200	2300	130	NCE	33000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	100	200	30	NCE	99	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	120	240	13	NCE	11000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	8200	16000	2000	360	420000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	2000	4000	230	290	380000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	100	200	28	NCE	65	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	81	160	9	140	39000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	81	160	9	140	39000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 1	< 1
1,4-Dichlorobenzene	ug/l	100	210	17	240	11000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	20000	40000	2200	NCE	3.8e+006	< 25	< 25	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 25	< 25
2-Hexanone	ug/l	NCE	NCE	NCE	NCE	630000	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 50	< 50
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	NCE	NCE	NCE	NCE	NCE	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 50	< 50
Acetone	ug/l	15000	30000	1700	NCE	450000	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 25	< 25
Acrylonitrile	ug/l	590	1200	66	1.2	320	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	NCE	NCE	NCE	NCE	59000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	NCE	NCE	NCE	180	4500	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	NCE	NCE	NCE	890	8100	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	320	640	35	NCE	2600	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	NCE	NCE	NCE	NCE	34000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	690	1400	77	45	140	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	220	450	25	NCE	3200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	10000	20000	1100	9400	2.7e+007	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	5700	11000	630	NCE	11000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	NCE	NCE	NCE	7300	1.3e+006	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	5500	11000	620	NCE	36000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	8/7/2010 7:00 PM	8/7/2010 7:45 PM	8/7/2010 7:50 PM	8/7/2010 7:55 PM	8/7/2010 8:05 PM	8/8/2010 5:30 PM	8/8/2010 5:45 PM	8/8/2010 6:20 PM	8/8/2010 6:20 PM	8/8/2010 7:15 PM	8/9/2010 3:08 PM	8/9/2010 3:29 PM
	Sample						WS0807190 0PDS1	WS0807194 5PDS1	WS0807195 0PDS1	WS0807195 5PDS1	WS0807200 5PDS1	WS0808173 0DMH1	WS0808174 5DMH1	WS0808182 0DMH1	WS0808182 0DMH2	WS0808191 5DMH1	WS0809150 8DLJ1	WS0809152 9DLJ1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Dibromochloromethane	ug/l	NCE	NCE	NCE	150	12000	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	NCE	NCE	NCE	4.9	NCE	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 1
Dibromomethane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
Dichlorodifluoromethane	ug/l	NCE	NCE	NCE	NCE	90000	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	NCE	NCE	NCE	NCE	1e+006	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 1	< 1	< 2	< 2
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	140	280	15	5.7	8200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	110	210	13	6.7	7.6	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1	< 1
Methylene chloride	ug/l	8500	17000	1500	2600	90000	< 5	< 5	< 5	< 5	< 5	3.6	3	< 2	< 2	< 2	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	210000	420000	32000	7100	63000	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	1400	2900	160	80	18000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	1400	2900	190	60	1800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	14000	28000	1500	NCE	19000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	1800	3500	200	370	550	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	NCE	NCE	NCE	NCE	NCE	< 100	< 100	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 5	< 50	< 50
Vinyl chloride	ug/l	8400	17000	930	13	4400	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 3	< 3	< 3	< 3	< 3	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																		
Hardness	mg/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/9/2010 3:45 PM	8/9/2010 4:22 PM	8/9/2010 6:30 PM	8/9/2010 6:41 PM	8/9/2010 6:55 PM	8/9/2010 8:05 PM	8/9/2010 8:30 PM	8/9/2010 8:30 PM	7/29/2010 3:00 PM	7/30/2010 4:05 PM	7/30/2010 4:40 PM	7/30/2010 5:10 PM	7/31/2010 3:45 PM	7/31/2010 4:10 PM	8/1/2010 1:15 PM	8/1/2010 2:00 PM
	Sample	WS0809154 5DLJ1	WS0809162 2DLJ1	WS0809183 0DLJ1	WS0809184 1DLJ1	WS0809185 5DLJ1	WS0809200 5DLJ1	WS0809203 0DLJ1	WS0809203 0DLJ2	WS0729150 0RTV1	WS0730160 5PDS1	WS0730164 0PDS1	WS0730171 0PDS1	WS0731154 5RTV1	WS0731161 0RTV1	WS0801131 5RTV1	WS0801140 0RTV1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	100	72.4	59.2	66.5	42.5	71.9	59.3	69.1	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.9	1.5	1.5	1.7	1.8	1.6	1.6	1.7	---	---	---	---	---	---	---	---
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	61.7	58.1	60.2	61.5	58.7	60.1	61.4	63	---	---	---	---	---	---	---	---
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	76700	73600	75800	76200	74700	75300	75700	76000	---	---	---	---	---	---	---	---
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	0.75	< 10	0.75	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.13	0.13	0.12	0.13	0.1	0.11	0.12	0.13	---	---	---	---	---	---	---	---
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.74	0.66	0.69	0.58	0.72	0.68	0.7	0.61	---	---	---	---	---	---	---	---
Hardness	mg/l	---	---	---	---	---	---	---	---	200	200	210	220	220	220	230	230
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	127	58.6	54.8	58.2	< 200	92.3	45.2	79.2	---	---	---	---	---	---	---	---
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.47	0.38	0.38	0.37	0.27	0.43	0.34	0.4	---	---	---	---	---	---	---	---
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	22900	21900	22200	23100	22700	22800	23100	23100	---	---	---	---	---	---	---	---
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	61.8	53.6	67.2	67.1	59.1	59.4	80.3	80.2	---	---	---	---	---	---	---	---
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	---	---	---	---	---	---	---	---	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	ug/l	0.8	0.71	0.68	0.63	0.66	0.71	0.73	0.58	---	---	---	---	---	---	---	---
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	1800	1710	1760	1800	1750	1780	1770	1780	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/9/2010 3:45 PM	8/9/2010 4:22 PM	8/9/2010 6:30 PM	8/9/2010 6:41 PM	8/9/2010 6:55 PM	8/9/2010 8:05 PM	8/9/2010 8:30 PM	8/9/2010 8:30 PM	7/29/2010 3:00 PM	7/30/2010 4:05 PM	7/30/2010 4:40 PM	7/30/2010 5:10 PM	7/31/2010 3:45 PM	7/31/2010 4:10 PM	8/1/2010 1:15 PM	8/1/2010 2:00 PM
	Sample	WS0809154 5DLJ1	WS0809162 2DLJ1	WS0809183 0DLJ1	WS0809184 1DLJ1	WS0809185 5DLJ1	WS0809200 5DLJ1	WS0809203 0DLJ1	WS0809203 0DLJ2	WS0729150 0RTV1	WS0730160 5PDS1	WS0730164 0PDS1	WS0730171 0PDS1	WS0731154 5RTV1	WS0731161 0RTV1	WS0801131 5RTV1	WS0801140 0RTV1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	19300	18400	18400	19100	19400	19100	19100	19200	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Vanadium	mg/l	---	---	---	---	---	---	---	---	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Vanadium	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---	---	---	---	---	---	---
PCB																	
Aroclor 1016	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Aroclor 1221	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Aroclor 1232	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Aroclor 1242	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Aroclor 1248	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Aroclor 1254	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Aroclor 1260	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
2-Chlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
2-Methylphenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
2-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
3- And 4- Methylphenol (Total)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	---	---	---	---	---	---	---	---
3-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
4-Chloroaniline	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/9/2010 3:45 PM	8/9/2010 4:22 PM	8/9/2010 6:30 PM	8/9/2010 6:41 PM	8/9/2010 6:55 PM	8/9/2010 8:05 PM	8/9/2010 8:30 PM	8/9/2010 8:30 PM	7/29/2010 3:00 PM	7/30/2010 4:05 PM	7/30/2010 4:40 PM	7/30/2010 5:10 PM	7/31/2010 3:45 PM	7/31/2010 4:10 PM	8/1/2010 1:15 PM	8/1/2010 2:00 PM
	Sample	WS0809154 5DLJ1	WS0809162 2DLJ1	WS0809183 0DLJ1	WS0809184 1DLJ1	WS0809185 5DLJ1	WS0809200 5DLJ1	WS0809203 0DLJ1	WS0809203 0DLJ2	WS0729150 0RTV1	WS0730160 5PDS1	WS0730164 0PDS1	WS0730171 0PDS1	WS0731154 5RTV1	WS0731161 0RTV1	WS0801131 5RTV1	WS0801140 0RTV1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---	---	---
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Dibenzofuran	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	---	---	---	---	---	---	---	---
Diethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Dimethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Hexachlorobenzene (C-66)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---	---	---
Hexachlorobutadiene (C-46)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene (C-56)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Nitrobenzene	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	---	---	---	---	---	---	---	---
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Pentachlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	22	19	17	< 100	27	27	18	< 100	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/9/2010 3:45 PM	8/9/2010 4:22 PM	8/9/2010 6:30 PM	8/9/2010 6:41 PM	8/9/2010 6:55 PM	8/9/2010 8:05 PM	8/9/2010 8:30 PM	8/9/2010 8:30 PM	7/29/2010 3:00 PM	7/30/2010 4:05 PM	7/30/2010 4:40 PM	7/30/2010 5:10 PM	7/31/2010 3:45 PM	7/31/2010 4:10 PM	8/1/2010 1:15 PM	8/1/2010 2:00 PM
	Sample	WS0809154 5DLJ1	WS0809162 2DLJ1	WS0809183 0DLJ1	WS0809184 1DLJ1	WS0809185 5DLJ1	WS0809200 5DLJ1	WS0809203 0DLJ1	WS0809203 0DLJ2	WS0729150 0RTV1	WS0730160 5PDS1	WS0730164 0PDS1	WS0730171 0PDS1	WS0731154 5RTV1	WS0731161 0RTV1	WS0801131 5RTV1	WS0801140 0RTV1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	47	< 500	< 500	< 500	170	130	72	< 500	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
2-Hexanone	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---	---	---	---	---	---	---
Acetone	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	---	---	---	---	---	---	---	---
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/9/2010 3:45 PM	8/9/2010 4:22 PM	8/9/2010 6:30 PM	8/9/2010 6:41 PM	8/9/2010 6:55 PM	8/9/2010 8:05 PM	8/9/2010 8:30 PM	8/9/2010 8:30 PM	7/29/2010 3:00 PM	7/30/2010 4:05 PM	7/30/2010 4:40 PM	7/30/2010 5:10 PM	7/31/2010 3:45 PM	7/31/2010 4:10 PM	8/1/2010 1:15 PM	8/1/2010 2:00 PM
	Sample	WS0809154 5DLJ1	WS0809162 2DLJ1	WS0809183 0DLJ1	WS0809184 1DLJ1	WS0809185 5DLJ1	WS0809200 5DLJ1	WS0809203 0DLJ1	WS0809203 0DLJ2	WS0729150 0RTV1	WS0730160 5PDS1	WS0730164 0PDS1	WS0730171 0PDS1	WS0731154 5RTV1	WS0731161 0RTV1	WS0801131 5RTV1	WS0801140 0RTV1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Dibromomethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Diethyl ether	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Toluene	ug/l	< 1	< 1	0.17	0.17	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Vinyl acetate	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---	---	---
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/1/2010 8:00 PM	8/2/2010 10:30 AM	8/2/2010 11:00 AM	8/2/2010 3:50 PM	8/3/2010 10:50 AM	8/3/2010 4:00 PM	8/3/2010 6:40 PM	8/3/2010 7:10 PM	8/3/2010 7:15 PM	8/4/2010 11:45 AM	8/4/2010 3:08 PM	8/4/2010 3:30 PM	8/4/2010 3:45 PM	8/4/2010 3:48 PM	8/4/2010 4:15 PM	8/4/2010 4:15 PM
	Sample	WS0801200 0PDS1	WS0802103 0RTV1	WS0802110 0RTV1	WS0802155 0PDS1	WS0803105 0RTV1	WS0803160 0RTV1	WS0803184 0PDS1	WS0803191 0NJH1	WS0803191 5NJH1	WS0804114 5JWP1	WS0804150 8JWP1	WS0804153 0JWP1	WS0804154 5JWP1	WS0804154 8JWP1	WS0804161 5RTV1	WS0804161 5JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hardness	mg/l	910	260	260	1100	270	260	980	260	280	280	260	270	260	270	250	260
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	0.065	< 0.02	< 0.02	0.072	< 0.02	< 0.02	0.021	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/1/2010 8:00 PM	8/2/2010 10:30 AM	8/2/2010 11:00 AM	8/2/2010 3:50 PM	8/3/2010 10:50 AM	8/3/2010 4:00 PM	8/3/2010 6:40 PM	8/3/2010 7:10 PM	8/3/2010 7:15 PM	8/4/2010 11:45 AM	8/4/2010 3:08 PM	8/4/2010 3:30 PM	8/4/2010 3:45 PM	8/4/2010 3:48 PM	8/4/2010 4:15 PM	8/4/2010 4:15 PM
	Sample	WS0801200 0PDS1	WS0802103 0RTV1	WS0802110 0RTV1	WS0802155 0PDS1	WS0803105 0RTV1	WS0803160 0RTV1	WS0803184 0PDS1	WS0803191 0NJH1	WS0803191 5NJH1	WS0804114 5JWP1	WS0804150 8JWP1	WS0804153 0JWP1	WS0804154 5JWP1	WS0804154 8JWP1	WS0804161 5RTV1	WS0804161 5JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.098	< 0.004	< 0.004	0.037	< 0.004	< 0.004	0.011	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Vanadium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB																	
Aroclor 1016	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1221	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1232	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1242	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1248	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1254	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1260	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methyl-4,6-dinitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3- And 4- Methylphenol (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenylether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenylether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Enbridge Energy, Limited Partnership

	Date Collected	8/1/2010 8:00 PM	8/2/2010 10:30 AM	8/2/2010 11:00 AM	8/2/2010 3:50 PM	8/3/2010 10:50 AM	8/3/2010 4:00 PM	8/3/2010 6:40 PM	8/3/2010 7:10 PM	8/3/2010 7:15 PM	8/4/2010 11:45 AM	8/4/2010 3:08 PM	8/4/2010 3:30 PM	8/4/2010 3:45 PM	8/4/2010 3:48 PM	8/4/2010 4:15 PM	8/4/2010 4:15 PM
	Sample	WS0801200 0PDS1	WS0802103 0RTV1	WS0802110 0RTV1	WS0802155 0PDS1	WS0803105 0RTV1	WS0803160 0RTV1	WS0803184 0PDS1	WS0803191 0NJH1	WS0803191 5NJH1	WS0804114 5JWP1	WS0804150 8JWP1	WS0804153 0JWP1	WS0804154 5JWP1	WS0804154 8JWP1	WS0804161 5RTV1	WS0804161 5JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(g,h,i)perylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy) methane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl) ether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene (C-66)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene (C-46)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene (C-56)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isophorone	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Nitroso-di-n-propylamine	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	Date Collected	8/1/2010 8:00 PM	8/2/2010 10:30 AM	8/2/2010 11:00 AM	8/2/2010 3:50 PM	8/3/2010 10:50 AM	8/3/2010 4:00 PM	8/3/2010 6:40 PM	8/3/2010 7:10 PM	8/3/2010 7:15 PM	8/4/2010 11:45 AM	8/4/2010 3:08 PM	8/4/2010 3:30 PM	8/4/2010 3:45 PM	8/4/2010 3:48 PM	8/4/2010 4:15 PM	8/4/2010 4:15 PM
	Sample	WS0801200 0PDS1	WS0802103 0RTV1	WS0802110 0RTV1	WS0802155 0PDS1	WS0803105 0RTV1	WS0803160 0RTV1	WS0803184 0PDS1	WS0803191 0NJH1	WS0803191 5NJH1	WS0804114 5JWP1	WS0804150 8JWP1	WS0804153 0JWP1	WS0804154 5JWP1	WS0804154 8JWP1	WS0804161 5RTV1	WS0804161 5JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-pentanone (MIBK)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromochloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	Sample	WS0801200 0PDS1	WS0802103 0RTV1	WS0802110 0RTV1	WS0802155 0PDS1	WS0803105 0RTV1	WS0803160 0RTV1	WS0803184 0PDS1	WS0803191 0NJH1	WS0803191 5NJH1	WS0804114 5JWP1	WS0804150 8JWP1	WS0804153 0JWP1	WS0804154 5JWP1	WS0804154 8JWP1	WS0804161 5RTV1	WS0804161 5JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Propylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/4/2010 4:35 PM	8/5/2010 6:40 AM	8/5/2010 10:45 AM	8/5/2010 11:22 AM	8/5/2010 2:45 PM	8/5/2010 2:49 PM	8/5/2010 3:00 PM	8/5/2010 3:54 PM	8/5/2010 6:45 PM	8/6/2010 6:30 AM	8/6/2010 9:39 AM	8/6/2010 10:29 AM	8/6/2010 11:00 AM	8/6/2010 12:05 PM	8/6/2010 2:55 PM	8/6/2010 4:14 PM
	Sample	WS0804163 5JWP1	WS0805064 0RTV1	WS0805104 5JWP1	WS0805112 2JWP1	WS0805144 5RTV1	WS0805144 9JWP1	WS0805150 0JWP1	WS0805155 4JWP1	WS0805184 5JWP1	WS0806063 0JWP1	WS0806093 9DLJ1	WS0806102 9DLJ1	WS0806110 0DLJ1	WS0806120 5DLJ1	WS0806145 5DLJ1	WS0806161 4DLJ1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	---	---	0.096	< 0.05	< 0.05	0.34	4.2	0.28	---	0.061	0.063	< 0.05	< 0.05	0.077	< 0.05	< 0.05
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.005
Antimony	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	mg/l	---	---	< 0.005	< 0.005	< 0.005	< 0.005	0.016	< 0.005	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/l	---	---	< 0.1	< 0.1	< 0.1	< 0.1	0.33	< 0.1	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	mg/l	---	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.002
Beryllium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/l	---	---	< 0.001	< 0.001	< 0.001	< 0.001	0.0024	< 0.001	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	mg/l	---	---	81	75	75	80	230	76	---	76	78	76	72	77	76	76
Calcium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	mg/l	---	---	< 0.01	< 0.01	< 0.01	< 0.01	0.11	< 0.01	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	mg/l	---	---	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	---	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cobalt	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/l	---	---	< 0.004	< 0.004	< 0.004	< 0.004	0.049	< 0.004	---	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.005
Copper	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hardness	mg/l	280	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	0.69	0.3	0.29	2	30	1.4	---	0.53	0.65	0.44	0.36	0.53	0.37	0.48
Iron	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/l	---	---	< 0.003	< 0.003	< 0.003	< 0.003	0.068	< 0.003	---	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Lead	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	mg/l	---	---	22	20	20	21	26	20	---	21	21	21	20	21	21	21
Magnesium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	mg/l	---	---	0.18	0.075	0.083	0.22	1.2	0.14	---	0.1	0.11	0.072	0.075	0.071	0.07	0.074
Manganese	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	mg/l	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00036	< 0.0002	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	< 0.02	---	< 0.02	< 0.02	< 0.02	< 0.02	0.022	< 0.02	---	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Nickel	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	mg/l	---	---	< 10	< 10	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/l	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00061	< 0.0002	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Silver	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Enbridge Energy, Limited Partnership

	Date Collected	8/4/2010 4:35 PM	8/5/2010 6:40 AM	8/5/2010 10:45 AM	8/5/2010 11:22 AM	8/5/2010 2:45 PM	8/5/2010 2:49 PM	8/5/2010 3:00 PM	8/5/2010 3:54 PM	8/5/2010 6:45 PM	8/6/2010 6:30 AM	8/6/2010 9:39 AM	8/6/2010 10:29 AM	8/6/2010 11:00 AM	8/6/2010 12:05 PM	8/6/2010 2:55 PM	8/6/2010 4:14 PM
	Sample	WS0804163 5JWP1	WS0805064 0RTV1	WS0805104 5JWP1	WS0805112 2JWP1	WS0805144 5RTV1	WS0805144 9JWP1	WS0805150 0JWP1	WS0805155 4JWP1	WS0805184 5JWP1	WS0806063 0JWP1	WS0806093 9DLJ1	WS0806102 9DLJ1	WS0806110 0DLJ1	WS0806120 5DLJ1	WS0806145 5DLJ1	WS0806161 4DLJ1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	18	16	16	17	16	16	---	17	17	18	17	17	18	18
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.005
Thallium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	< 0.004	---	< 0.004	< 0.004	< 0.004	< 0.004	0.0086	< 0.004	---	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.005
Vanadium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/l	---	---	< 0.05	< 0.05	< 0.05	< 0.05	0.34	< 0.05	---	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Zinc	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB																	
Aroclor 1016	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1221	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1232	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1242	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1248	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1254	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1260	ug/l	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	< 4	< 4	< 4	< 4	< 4	< 4	< 4
2,4-Dichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	---	---	---	---	---	---	---	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25
2,4-Dinitrotoluene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chloronaphthalene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Methyl-4,6-dinitrophenol	ug/l	---	---	---	---	---	---	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25
2-Nitrophenol	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25
4-Bromophenyl phenylether	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorophenyl phenylether	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10

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	Date Collected	8/4/2010 4:35 PM	8/5/2010 6:40 AM	8/5/2010 10:45 AM	8/5/2010 11:22 AM	8/5/2010 2:45 PM	8/5/2010 2:49 PM	8/5/2010 3:00 PM	8/5/2010 3:54 PM	8/5/2010 6:45 PM	8/6/2010 6:30 AM	8/6/2010 9:39 AM	8/6/2010 10:29 AM	8/6/2010 11:00 AM	8/6/2010 12:05 PM	8/6/2010 2:55 PM	8/6/2010 4:14 PM
	Sample	WS0804163 5JWP1	WS0805064 0RTV1	WS0805104 5JWP1	WS0805112 2JWP1	WS0805144 5RTV1	WS0805144 9JWP1	WS0805150 0JWP1	WS0805155 4JWP1	WS0805184 5JWP1	WS0806063 0JWP1	WS0806093 9DLJ1	WS0806102 9DLJ1	WS0806110 0DLJ1	WS0806120 5DLJ1	WS0806145 5DLJ1	WS0806161 4DLJ1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25
4-Nitrophenol	ug/l	---	---	---	---	---	---	---	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Acenaphthene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)pyrene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(b)fluoranthene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(g,h,i)perylene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(k)fluoranthene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroethoxy) methane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroisopropyl) ether	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzo(a,h)anthracene	ug/l	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibenzofuran	ug/l	---	---	---	---	---	---	---	---	---	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Diethyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dimethyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-butyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluorene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (C-46)	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene (C-56)	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Isophorone	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 3	< 3	< 3	< 3	< 3	< 3	< 3
n-Nitroso-di-n-propylamine	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	---	---	---	---	---	---	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Phenanthrene	ug/l	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Phenol	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Diesel Range Organics (C10-C20)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/4/2010 4:35 PM	8/5/2010 6:40 AM	8/5/2010 10:45 AM	8/5/2010 11:22 AM	8/5/2010 2:45 PM	8/5/2010 2:49 PM	8/5/2010 3:00 PM	8/5/2010 3:54 PM	8/5/2010 6:45 PM	8/6/2010 6:30 AM	8/6/2010 9:39 AM	8/6/2010 10:29 AM	8/6/2010 11:00 AM	8/6/2010 12:05 PM	8/6/2010 2:55 PM	8/6/2010 4:14 PM
	Sample	WS0804163 5JWP1	WS0805064 0RTV1	WS0805104 5JWP1	WS0805112 2JWP1	WS0805144 5RTV1	WS0805144 9JWP1	WS0805150 0JWP1	WS0805155 4JWP1	WS0805184 5JWP1	WS0806063 0JWP1	WS0806093 9DLJ1	WS0806102 9DLJ1	WS0806110 0DLJ1	WS0806120 5DLJ1	WS0806145 5DLJ1	WS0806161 4DLJ1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	< 0.1	< 0.1	< 0.1	< 0.1	0.64	0.24	< 0.1	< 0.1	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Oil Range Organics (C20-C34)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	---	---	---	---	---	---	---	---	---	< 25	< 25	< 25	< 25	< 25	< 25	< 25
2-Hexanone	ug/l	---	---	---	---	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Methylnaphthalene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	---	---	---	---	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	ug/l	---	---	---	---	---	---	---	---	---	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Benzene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/4/2010 4:35 PM	8/5/2010 6:40 AM	8/5/2010 10:45 AM	8/5/2010 11:22 AM	8/5/2010 2:45 PM	8/5/2010 2:49 PM	8/5/2010 3:00 PM	8/5/2010 3:54 PM	8/5/2010 6:45 PM	8/6/2010 6:30 AM	8/6/2010 9:39 AM	8/6/2010 10:29 AM	8/6/2010 11:00 AM	8/6/2010 12:05 PM	8/6/2010 2:55 PM	8/6/2010 4:14 PM
	Sample	WS0804163 5JWP1	WS0805064 0RTV1	WS0805104 5JWP1	WS0805112 2JWP1	WS0805144 5RTV1	WS0805144 9JWP1	WS0805150 0JWP1	WS0805155 4JWP1	WS0805184 5JWP1	WS0806063 0JWP1	WS0806093 9DLJ1	WS0806102 9DLJ1	WS0806110 0DLJ1	WS0806120 5DLJ1	WS0806145 5DLJ1	WS0806161 4DLJ1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibromochloropropane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl ether	ug/l	---	---	---	---	---	---	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isopropyl benzene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m&p-Xylene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methyl Iodide	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Vinyl chloride	ug/l	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	---	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/6/2010 6:45 PM	8/7/2010 9:14 AM	8/7/2010 10:45 AM	8/7/2010 11:29 AM	8/7/2010 12:02 PM	8/7/2010 2:12 PM	8/7/2010 2:37 PM	8/7/2010 3:10 PM	8/7/2010 3:30 PM	8/7/2010 4:39 PM	8/7/2010 6:19 PM	8/8/2010 7:04 AM	8/8/2010 10:58 AM	8/8/2010 12:07 PM	8/8/2010 2:50 PM	8/8/2010 3:15 PM
	Sample	WS0806184 5DLJ1	WS0807091 4DLJ1	WS0807104 5PDS1	WS0807112 9DLJ1	WS0807120 2DLJ1	WS0807141 2DLJ1	WS0807143 7DLJ1	WS0807151 0DLJ1	WS0807153 0DLJ1	WS0807163 9DLJ1	WS0807181 9DLJ1	WS0808070 4DLJ1	WS0808105 8DLJ1	WS0808120 7DLJ1	WS0808145 0DMH1	WS0808151 5DMH1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	0.081	< 0.05	< 0.05	< 0.05	< 0.05	0.16	0.079	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	71	59	72	82	29
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---
Antimony	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 3	< 3	< 3	< 3	< 3
Arsenic	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---
Arsenic	ug/l	---	---	---	---	---	---	---	---	---	---	---	1.7	1.7	1.7	1.7	1.7
Barium	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	---	---	---	---	---
Barium	ug/l	---	---	---	---	---	---	---	---	---	---	---	63	63	63	62	63
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---
Beryllium	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---	---	---
Cadmium	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Calcium	mg/l	77	75	75	74	72	74	74	76	73	73	73	---	---	---	---	---
Calcium	ug/l	---	---	---	---	---	---	---	---	---	---	---	84000	83000	85000	84000	85000
Chromium (Total)	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	---	---	---	---	---
Chromium (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 5	< 5	0.5	0.53	< 5
Cobalt	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	---	---	---	---	---
Cobalt	ug/l	---	---	---	---	---	---	---	---	---	---	---	0.17	0.14	0.17	0.17	0.14
Copper	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	---	---	---	---	---
Copper	ug/l	---	---	---	---	---	---	---	---	---	---	---	0.94	1.8	0.89	0.96	0.98
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	0.58	0.32	0.3	< 0.2	0.23	0.82	0.53	0.39	0.55	< 0.2	0.29	---	---	---	---	---
Iron	ug/l	---	---	---	---	---	---	---	---	---	---	---	510	400	450	470	300
Lead	mg/l	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	---	---	---	---	---
Lead	ug/l	---	---	---	---	---	---	---	---	---	---	---	0.83	0.6	0.66	0.71	0.59
Magnesium	mg/l	21	21	21	20	20	20	20	21	20	20	20	---	---	---	---	---
Magnesium	ug/l	---	---	---	---	---	---	---	---	---	---	---	24000	24000	24000	24000	24000
Manganese	mg/l	0.081	0.072	0.078	< 0.05	0.052	0.095	0.091	0.072	0.08	0.053	0.065	---	---	---	---	---
Manganese	ug/l	---	---	---	---	---	---	---	---	---	---	---	100	92	91	75	62
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---
Mercury (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	---	---	---	---	---
Nickel	ug/l	---	---	---	---	---	---	---	---	---	---	---	0.86	0.76	0.84	0.84	0.72
Potassium	mg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	1800	1700	1800	1800	1800
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	---	---	---	---	---
Selenium	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	---	---	---	---
Silver	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/6/2010 6:45 PM	8/7/2010 9:14 AM	8/7/2010 10:45 AM	8/7/2010 11:29 AM	8/7/2010 12:02 PM	8/7/2010 2:12 PM	8/7/2010 2:37 PM	8/7/2010 3:10 PM	8/7/2010 3:30 PM	8/7/2010 4:39 PM	8/7/2010 6:19 PM	8/8/2010 7:04 AM	8/8/2010 10:58 AM	8/8/2010 12:07 PM	8/8/2010 2:50 PM	8/8/2010 3:15 PM
	Sample	WS0806184 5DLJ1	WS0807091 4DLJ1	WS0807104 5PDS1	WS0807112 9DLJ1	WS0807120 2DLJ1	WS0807141 2DLJ1	WS0807143 7DLJ1	WS0807151 0DLJ1	WS0807153 0DLJ1	WS0807163 9DLJ1	WS0807181 9DLJ1	WS0808070 4DLJ1	WS0808105 8DLJ1	WS0808120 7DLJ1	WS0808145 0DMH1	WS0808151 5DMH1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	18	17	18	17	16	16	16	18	17	16	17	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	19000	19000	20000	20000	20000
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---	---	---
Thallium	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	---	---	---	---	---
Vanadium	ug/l	---	---	---	---	---	---	---	---	---	---	---	0.6	0.54	0.56	0.55	< 5
Zinc	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	---	---	---	---	---
Zinc	ug/l	---	---	---	---	---	---	---	---	---	---	---	8.6	7.5	15	15	8.4
PCB																	
Aroclor 1016	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Aroclor 1221	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Aroclor 1232	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Aroclor 1242	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Aroclor 1248	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Aroclor 1254	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Aroclor 1260	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 0.14	< 0.13	< 0.14	< 0.14	< 0.13
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 10	< 11	< 11	< 11
2,4,6-Trichlorophenol	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 10	< 11	< 11	< 11
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 10	< 11	< 11	< 11
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 22	< 21	< 22	< 22	< 21
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.56	< 0.52	< 0.55	< 0.55	< 0.53
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
2-Chlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 22	< 21	< 22	< 22	< 21
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.56	< 0.52	< 0.55	< 0.55	< 0.53
2-Methylphenol	ug/l	< 10	---	< 5	---	---	---	---	---	---	---	---	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
2-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 10	< 11	< 11	< 11
3- And 4- Methylphenol (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
3,3'-Dichlorobenzidine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
3-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 11	< 10	< 11	< 11	< 11
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 10	< 11	< 11	< 11
4-Chloroaniline	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 10	< 11	< 11	< 11
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
4-Methylphenol	ug/l	< 10	---	< 5	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/6/2010 6:45 PM	8/7/2010 9:14 AM	8/7/2010 10:45 AM	8/7/2010 11:29 AM	8/7/2010 12:02 PM	8/7/2010 2:12 PM	8/7/2010 2:37 PM	8/7/2010 3:10 PM	8/7/2010 3:30 PM	8/7/2010 4:39 PM	8/7/2010 6:19 PM	8/8/2010 7:04 AM	8/8/2010 10:58 AM	8/8/2010 12:07 PM	8/8/2010 2:50 PM	8/8/2010 3:15 PM
	Sample	WS0806184 5DLJ1	WS0807091 4DLJ1	WS0807104 5PDS1	WS0807112 9DLJ1	WS0807120 2DLJ1	WS0807141 2DLJ1	WS0807143 7DLJ1	WS0807151 0DLJ1	WS0807153 0DLJ1	WS0807163 9DLJ1	WS0807181 9DLJ1	WS0808070 4DLJ1	WS0808105 8DLJ1	WS0808120 7DLJ1	WS0808145 0DMH1	WS0808151 5DMH1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 11	< 10	< 11	< 11	< 11
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 22	< 21	< 22	< 22	< 21
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.22	< 0.21	< 0.22	< 0.22	< 0.21
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.22	< 0.21	< 0.22	< 0.22	< 0.21
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.22	< 0.21	< 0.22	< 0.22	< 0.21
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.22	< 0.21	< 0.22	< 0.22	< 0.21
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Bis(2-chloroethyl)ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 10	< 11	< 11	< 11
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.56	< 0.52	< 0.55	< 0.55	< 0.53
Dibenzo(a,h)anthracene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.33	< 0.31	< 0.33	< 0.33	< 0.32
Dibenzofuran	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Diethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Dimethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 10	< 11	< 11	< 11
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Hexachlorobenzene (C-66)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.56	< 0.52	< 0.55	< 0.55	< 0.53
Hexachlorobutadiene (C-46)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
Hexachlorocyclopentadiene (C-56)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 22	< 21	< 22	< 22	< 21
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
Indeno(1,2,3-c,d)pyrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.22	< 0.21	< 0.22	< 0.22	< 0.21
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 2.1	< 2.2	< 2.2	< 2.1
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Nitrobenzene	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 1.1	< 1	< 1.1	< 1.1	< 1.1
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.56	< 0.52	< 0.55	< 0.55	< 0.53
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Pentachlorophenol	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 22	< 21	< 22	< 22	< 21
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.6	< 5.2	< 5.5	< 5.5	< 5.3
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1	< 1.1	< 1.1	< 1.1
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	0.33	< 0.1	0.11	< 0.1	< 0.1	< 0.1	< 0.1	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 270	< 260	< 270	< 270	< 270

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	8/6/2010 6:45 PM	8/7/2010 9:14 AM	8/7/2010 10:45 AM	8/7/2010 11:29 AM	8/7/2010 12:02 PM	8/7/2010 2:12 PM	8/7/2010 2:37 PM	8/7/2010 3:10 PM	8/7/2010 3:30 PM	8/7/2010 4:39 PM	8/7/2010 6:19 PM	8/8/2010 7:04 AM	8/8/2010 10:58 AM	8/8/2010 12:07 PM	8/8/2010 2:50 PM	8/8/2010 3:15 PM
	Sample	WS0806184 5DLJ1	WS0807091 4DLJ1	WS0807104 5PDS1	WS0807112 9DLJ1	WS0807120 2DLJ1	WS0807141 2DLJ1	WS0807143 7DLJ1	WS0807151 0DLJ1	WS0807153 0DLJ1	WS0807163 9DLJ1	WS0807181 9DLJ1	WS0808070 4DLJ1	WS0808105 8DLJ1	WS0808120 7DLJ1	WS0808145 0DMH1	WS0808151 5DMH1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	< 200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	0.12	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.16	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 540	< 510	< 540	< 540	< 540
Specific Identification of Gasoline	ug/l	---	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 50	< 50	< 50	< 50	< 50
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/6/2010 6:45 PM	8/7/2010 9:14 AM	8/7/2010 10:45 AM	8/7/2010 11:29 AM	8/7/2010 12:02 PM	8/7/2010 2:12 PM	8/7/2010 2:37 PM	8/7/2010 3:10 PM	8/7/2010 3:30 PM	8/7/2010 4:39 PM	8/7/2010 6:19 PM	8/8/2010 7:04 AM	8/8/2010 10:58 AM	8/8/2010 12:07 PM	8/8/2010 2:50 PM	8/8/2010 3:15 PM
	Sample	WS0806184 5DLJ1	WS0807091 4DLJ1	WS0807104 5PDS1	WS0807112 9DLJ1	WS0807120 2DLJ1	WS0807141 2DLJ1	WS0807143 7DLJ1	WS0807151 0DLJ1	WS0807153 0DLJ1	WS0807163 9DLJ1	WS0807181 9DLJ1	WS0808070 4DLJ1	WS0808105 8DLJ1	WS0808120 7DLJ1	WS0808145 0DMH1	WS0808151 5DMH1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2
Dibromomethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---
Isopropyl benzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 5
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/8/2010 3:19 PM	8/8/2010 3:40 PM	8/8/2010 4:17 PM	8/8/2010 4:56 PM	8/8/2010 5:00 PM	8/8/2010 5:19 PM	8/8/2010 6:43 PM	8/9/2010 6:55 AM	8/9/2010 11:00 AM	8/9/2010 2:39 PM	8/9/2010 4:14 PM	8/9/2010 4:59 PM	8/9/2010 7:00 PM	8/10/2010 7:00 AM	8/10/2010 9:48 AM	8/10/2010 10:50 AM
	Sample	WS0808151 9DLJ1	WS0808154 0DMH1	WS0808161 7DLJ1	WS0808165 6DLJ1	WS0808170 0DMH1	WS0808171 9DLJ1	WS0808184 3DLJ1	WS0809065 5RTV1	WS0809110 0RCM1	WS0809143 9RCM3	WS0809161 4RCM1	WS0809165 9RCM1	WS0809190 0RCM1	WS0810070 0RCM1	WS0810094 8RCM1	WS0810105 0RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	71	55	34	73	130	130	51	128	73.7	36.6	89.2	80.3	69.5	72	20	72
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	0.13	< 2	< 2	< 2	< 2	< 2	< 3	< 3	< 3
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.8	1.7	1.7	1.7	1.8	1.8	1.7	2.1	1.5	1.5	1.8	1.7	1.8	1.6	1.6	1.7
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	65	64	64	63	65	65	62	64.7	< 100	62.7	< 100	< 100	< 100	66	63	65
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	87000	84000	83000	83000	85000	84000	85000	80900	78700	77100	78300	76300	78400	83000	83000	84000
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	0.63	< 5	< 5	< 5	0.83	0.7	< 5	0.82	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.19	0.14	0.13	0.15	0.2	0.19	0.13	0.17	0.14	0.12	0.16	0.12	0.16	0.14	0.17	0.14
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.97	0.92	0.89	0.93	1.2	1	0.84	1	< 4	0.6	< 4	< 4	< 4	0.87	1	0.82
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	550	340	190	410	700	600	330	213	107	< 200	494	76.2	157	430	160	450
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.79	0.51	0.4	0.68	1	1	0.46	0.6	0.42	0.28	0.5	0.37	0.36	0.59	0.42	0.56
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	25000	24000	23000	23000	24000	24000	24000	24100	22900	22800	23200	22300	23300	23000	23000	24000
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	90	63	56	78	94	110	70	91.2	101	62	74.9	91.8	92.6	97	58	110
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.89	0.72	0.81	0.74	0.9	0.88	0.76	0.85	< 2	0.66	< 2	< 2	< 2	0.77	51	0.73
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	1800	1700	1900	1700	1800	1800	1800	1760	1780	1820	1780	1730	1790	1700	1800	1700
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 2.5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/8/2010 3:19 PM	8/8/2010 3:40 PM	8/8/2010 4:17 PM	8/8/2010 4:56 PM	8/8/2010 5:00 PM	8/8/2010 5:19 PM	8/8/2010 6:43 PM	8/9/2010 6:55 AM	8/9/2010 11:00 AM	8/9/2010 2:39 PM	8/9/2010 4:14 PM	8/9/2010 4:59 PM	8/9/2010 7:00 PM	8/10/2010 7:00 AM	8/10/2010 9:48 AM	8/10/2010 10:50 AM
	Sample	WS0808151 9DLJ1	WS0808154 0DMH1	WS0808161 7DLJ1	WS0808165 6DLJ1	WS0808170 0DMH1	WS0808171 9DLJ1	WS0808184 3DLJ1	WS0809065 5RTV1	WS0809110 0RCM1	WS0809143 9RCM3	WS0809161 4RCM1	WS0809165 9RCM1	WS0809190 0RCM1	WS0810070 0RCM1	WS0810094 8RCM1	WS0810105 0RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	20000	20000	18000	20000	20000	19000	20000	19500	18800	18700	19800	19100	19700	19000	19000	19000
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.21	< 2	< 2	0.24	0.16	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	0.58	0.51	0.57	0.54	0.73	0.73	0.52	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	9.1	15	9	5.9	7.4	12	7	< 50	< 50	< 50	< 50	< 50	< 50	7.1	11	< 20
PCB																	
Aroclor 1016	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Aroclor 1221	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Aroclor 1232	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Aroclor 1242	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Aroclor 1248	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Aroclor 1254	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Aroclor 1260	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.13	< 0.13
Polychlorinated biphenyls (PCBs), total	ug/l	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.14	---	---	---	---	---	---	< 0.14	< 0.13	< 0.13
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
1,2-Dichlorobenzene	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 1	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.1	< 2.2
1,3-Dichlorobenzene	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 1	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.1	< 2.2
1,4-Dichlorobenzene	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 1	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.1	< 2.2
2,4,5-Trichlorophenol	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 11
2,4,6-Trichlorophenol	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 4	< 4	< 4	< 4	< 4	< 4	< 5.3	< 5.3	< 5.4
2,4-Dichlorophenol	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 11	< 11
2,4-Dimethylphenol	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 11
2,4-Dinitrophenol	ug/l	< 21	< 21	< 21	< 22	< 21	< 22	< 22	< 25	< 25	< 25	< 25	< 25	< 25	< 21	< 21	< 22
2,4-Dinitrotoluene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
2,6-Dinitrotoluene	ug/l	< 0.52	< 0.52	< 0.53	< 0.55	< 0.52	< 0.56	< 0.54	< 5	< 5	< 5	< 5	< 5	< 5	< 0.53	< 0.53	< 0.54
2-Chloronaphthalene	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
2-Chlorophenol	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 10	< 10	< 10	< 10	< 10	< 10	< 5.3	< 5.3	< 5.4
2-Methyl-4,6-dinitrophenol	ug/l	< 21	< 21	< 21	< 22	< 21	< 22	< 22	< 20	< 20	< 20	< 20	< 20	< 20	< 21	< 21	< 22
2-Methylnaphthalene	ug/l	< 0.52	< 0.52	< 0.53	< 0.55	< 0.52	< 0.56	< 0.54	< 5	< 5	< 5	< 5	< 5	< 5	< 0.53	< 0.53	< 0.54
2-Methylphenol	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 10	< 10	< 10	< 10	< 10	< 10	< 2.1	< 2.1	< 2.2
2-Nitroaniline	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 25	< 25	< 25	< 25	< 25	< 25	< 5.3	< 5.3	< 5.4
2-Nitrophenol	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 11
3- And 4- Methylphenol (Total)	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.1	< 2.1	< 2.2
3,3'-Dichlorobenzidine	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 4	< 4	< 4	< 4	< 4	< 4	< 5.3	< 5.3	< 5.4
3-Nitroaniline	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 25	< 25	< 25	< 25	< 25	< 25	< 11	< 11	< 11
4-Bromophenyl phenylether	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.3	< 5.4
4-Chloro-3-methylphenol	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 11
4-Chloroaniline	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 11	< 11	< 11
4-Chlorophenyl phenylether	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.3	< 5.4
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/8/2010 3:19 PM	8/8/2010 3:40 PM	8/8/2010 4:17 PM	8/8/2010 4:56 PM	8/8/2010 5:00 PM	8/8/2010 5:19 PM	8/8/2010 6:43 PM	8/9/2010 6:55 AM	8/9/2010 11:00 AM	8/9/2010 2:39 PM	8/9/2010 4:14 PM	8/9/2010 4:59 PM	8/9/2010 7:00 PM	8/10/2010 7:00 AM	8/10/2010 9:48 AM	8/10/2010 10:50 AM
	Sample	WS0808151 9DLJ1	WS0808154 0DMH1	WS0808161 7DLJ1	WS0808165 6DLJ1	WS0808170 0DMH1	WS0808171 9DLJ1	WS0808184 3DLJ1	WS0809065 5RTV1	WS0809110 0RCM1	WS0809143 9RCM3	WS0809161 4RCM1	WS0809165 9RCM1	WS0809190 0RCM1	WS0810070 0RCM1	WS0810094 8RCM1	WS0810105 0RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 25	< 25	< 25	< 25	< 25	< 25	< 11	< 11	< 11
4-Nitrophenol	ug/l	< 21	< 21	< 21	< 22	< 21	< 22	< 22	< 25	< 25	< 25	< 25	< 25	< 25	< 21	< 21	< 22
Acenaphthene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Acenaphthylene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Anthracene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Benzo(a)anthracene	ug/l	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.22	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.22
Benzo(a)pyrene	ug/l	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.22	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.22
Benzo(b)fluoranthene	ug/l	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.22	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.22
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.1
Benzo(k)fluoranthene	ug/l	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.22	< 1	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.21	< 0.22
Bis(2-chloroethoxy) methane	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
Bis(2-chloroethyl)ether	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 1	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.1	< 2.2
Bis(2-chloroisopropyl) ether	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
Bis(2-ethylhexyl)phthalate	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 11
Butyl benzyl phthalate	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
Carbazole	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 10	< 10	< 10	< 10	< 10	< 10	< 5.3	< 5.3	< 5.4
Chrysene	ug/l	< 0.52	< 0.52	< 0.53	< 0.55	< 0.52	< 0.56	< 0.54	< 1	< 1	< 1	< 1	< 1	< 1	< 0.53	< 0.53	< 0.54
Dibenzo(a,h)anthracene	ug/l	< 0.31	< 0.31	< 0.32	< 0.33	< 0.31	< 0.33	< 0.32	< 2	< 2	< 2	< 2	< 2	< 2	< 0.32	< 0.32	< 0.32
Dibenzofuran	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 4	< 4	< 4	< 4	< 4	< 4	< 2.1	< 2.1	< 2.2
Diethyl phthalate	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
Dimethyl phthalate	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
Di-n-butyl phthalate	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 5	0.76	< 5	0.74	< 5	< 5	< 5.3	< 5.3	< 5.4
Di-n-octyl phthalate	ug/l	< 10	< 10	< 11	< 11	< 10	< 11	< 11	< 5	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 11
Fluoranthene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.1
Fluorene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Hexachlorobenzene (C-66)	ug/l	< 0.52	< 0.52	< 0.53	< 0.55	< 0.52	< 0.56	< 0.54	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.53	< 0.53	< 0.54
Hexachlorobutadiene (C-46)	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 1	< 1	< 1	< 1	< 1	< 1	< 5.3	< 5.3	< 5.4
Hexachlorocyclopentadiene (C-56)	ug/l	< 21	< 21	< 21	< 22	< 21	< 22	< 22	< 5	< 5	< 5	< 5	< 5	< 5	< 21	< 21	< 22
Hexachloroethane	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.3	< 5.4
Indeno(1,2,3-c,d)pyrene	ug/l	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.22	< 2	< 2	< 2	< 2	< 2	< 2	< 0.21	< 0.21	< 0.22
Isophorone	ug/l	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.2	< 5	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.1	< 2.2
Naphthalene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Nitrobenzene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 3	< 3	< 3	< 3	< 3	< 3	< 1.1	< 1.1	< 1.1
n-Nitroso-di-n-propylamine	ug/l	< 0.52	< 0.52	< 0.53	< 0.55	< 0.52	< 0.56	< 0.54	< 5	< 5	< 5	< 5	< 5	< 5	< 0.53	< 0.53	< 0.54
N-Nitrosodiphenylamine	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Pentachlorophenol	ug/l	< 21	< 21	< 21	< 22	< 21	< 22	< 22	< 5	< 5	< 5	< 5	< 5	< 5	< 21	< 21	< 22
Phenanthrene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 2	< 2	< 2	< 2	< 2	< 2	< 1.1	< 1.1	< 1.1
Phenol	ug/l	< 5.2	< 5.2	< 5.3	< 5.5	< 5.2	< 5.6	< 5.4	< 5	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.3	< 5.4
Pyrene	ug/l	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1.1	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.1
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 260	< 260	< 260	< 270	< 250	< 270	< 260	15	< 100	< 100	< 100	< 100	< 100	< 270	< 270	< 270

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/8/2010 3:19 PM	8/8/2010 3:40 PM	8/8/2010 4:17 PM	8/8/2010 4:56 PM	8/8/2010 5:00 PM	8/8/2010 5:19 PM	8/8/2010 6:43 PM	8/9/2010 6:55 AM	8/9/2010 11:00 AM	8/9/2010 2:39 PM	8/9/2010 4:14 PM	8/9/2010 4:59 PM	8/9/2010 7:00 PM	8/10/2010 7:00 AM	8/10/2010 9:48 AM	8/10/2010 10:50 AM
	Sample	WS0808151 9DLJ1	WS0808154 0DMH1	WS0808161 7DLJ1	WS0808165 6DLJ1	WS0808170 0DMH1	WS0808171 9DLJ1	WS0808184 3DLJ1	WS0809065 5RTV1	WS0809110 0RCM1	WS0809143 9RCM3	WS0809161 4RCM1	WS0809165 9RCM1	WS0809190 0RCM1	WS0810070 0RCM1	WS0810094 8RCM1	WS0810105 0RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 520	< 520	< 520	< 530	< 510	< 530	< 510	< 500	< 500	< 500	64	< 500	< 500	310	< 530	< 530
Specific Identification of Gasoline	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	12	11	12	12	12	12	< 50	< 50	< 50
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5
Acetone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.9	1.4	< 25	< 25	< 25	< 25	< 25	< 5	< 5
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/8/2010 3:19 PM	8/8/2010 3:40 PM	8/8/2010 4:17 PM	8/8/2010 4:56 PM	8/8/2010 5:00 PM	8/8/2010 5:19 PM	8/8/2010 6:43 PM	8/9/2010 6:55 AM	8/9/2010 11:00 AM	8/9/2010 2:39 PM	8/9/2010 4:14 PM	8/9/2010 4:59 PM	8/9/2010 7:00 PM	8/10/2010 7:00 AM	8/10/2010 9:48 AM	8/10/2010 10:50 AM
	Sample	WS0808151 9DLJ1	WS0808154 0DMH1	WS0808161 7DLJ1	WS0808165 6DLJ1	WS0808170 0DMH1	WS0808171 9DLJ1	WS0808184 3DLJ1	WS0809065 5RTV1	WS0809110 0RCM1	WS0809143 9RCM3	WS0809161 4RCM1	WS0809165 9RCM1	WS0809190 0RCM1	WS0810070 0RCM1	WS0810094 8RCM1	WS0810105 0RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.5
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	3.1	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/10/2010 11:35 AM	8/10/2010 2:37 PM	8/10/2010 3:51 PM	8/10/2010 4:40 PM	8/10/2010 7:00 PM	8/11/2010 11:29 AM	8/12/2010 7:00 AM	8/12/2010 10:08 AM	8/12/2010 10:52 AM	8/12/2010 12:02 PM	8/12/2010 3:14 PM	8/12/2010 4:03 PM	8/12/2010 4:52 PM	8/12/2010 7:00 PM	8/13/2010 10:11 AM	8/13/2010 10:54 AM
	Sample	WS0810113 5RCM1	WS0810143 7RCM1	WS0810155 1RCM1	WS0810164 0RCM1	WS0810190 0RCM1	WS0811112 9RCM1	WS0812070 0RCM1	WS0812100 8RCM1	WS0812105 2RCM1	WS0812120 2RCM1	WS0812151 4RCM1	WS0812160 3RCM1	WS0812165 2RCM1	WS0812190 0RCM1	WS0813101 1RCM1	WS0813105 4RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	41	33	40	17	40	320	55	42	48	31	62	89	16	96	101	99.7
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 3	< 3	< 3	< 3	< 3	0.24	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	0.13	< 2
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.6	1.5	1.6	1.8	1.6	2.3	1.6	1.6	1.6	1.5	1.7	1.5	1.5	1.7	1.8	1.7
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	64	65	61	68	63	78	64	64	61	64	57	56	62	57	< 100	< 100
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.13	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	81000	82000	81000	84000	81000	81000	79000	77000	74000	79000	66000	68000	78000	69000	69500	68200
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 5	< 5	< 5	< 5	< 5	2.8	< 5	< 5	< 5	< 5	< 5	0.53	< 5	0.55	0.74	< 10
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.13	0.13	0.12	0.17	0.13	0.41	0.14	0.12	0.12	0.12	0.13	0.13	0.11	0.14	0.15	0.16
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.69	0.69	0.87	0.82	0.87	1.9	1.8	0.84	0.85	0.82	1	1	0.64	1.1	< 4	< 4
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	280	190	320	< 100	310	1700	420	460	350	180	420	430	100	500	375	373
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.61	0.42	0.44	0.37	0.45	2.4	0.52	0.41	0.52	0.32	0.81	0.69	0.18	0.69	0.65	0.55
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	23000	23000	23000	24000	23000	22000	22000	22000	21000	22000	18000	19000	22000	19000	19200	19000
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	100	64	88	86	89	150	84	72	95	66	72	73	43	69	74.9	100
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.76	0.82	0.76	0.84	0.78	1.5	0.73	0.68	0.63	0.65	0.65	0.68	0.64	0.73	0.77	0.71
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	1700	1700	1700	1900	1800	1800	1800	1700	1700	1700	1700	1700	1700	1800	1920	1920
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5	< 5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 0.2

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/10/2010 11:35 AM	8/10/2010 2:37 PM	8/10/2010 3:51 PM	8/10/2010 4:40 PM	8/10/2010 7:00 PM	8/11/2010 11:29 AM	8/12/2010 7:00 AM	8/12/2010 10:08 AM	8/12/2010 10:52 AM	8/12/2010 12:02 PM	8/12/2010 3:14 PM	8/12/2010 4:03 PM	8/12/2010 4:52 PM	8/12/2010 7:00 PM	8/13/2010 10:11 AM	8/13/2010 10:54 AM
	Sample	WS0810113 5RCM1	WS0810143 7RCM1	WS0810155 1RCM1	WS0810164 0RCM1	WS0810190 0RCM1	WS0811112 9RCM1	WS0812070 0RCM1	WS0812100 8RCM1	WS0812105 2RCM1	WS0812120 2RCM1	WS0812151 4RCM1	WS0812160 3RCM1	WS0812165 2RCM1	WS0812190 0RCM1	WS0813101 1RCM1	WS0813105 4RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	19000	19000	20000	20000	20000	19000	18000	18000	18000	19000	16000	17000	19000	16000	17600	17200
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 5	< 5	< 5	< 5	< 5	0.8	< 5	< 5	< 5	< 5	< 5	0.53	< 5	0.55	< 10	< 10
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	7.1	6.8	< 20	8.7	6.1	12	6.8	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50
PCB																	
Aroclor 1016	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Aroclor 1221	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Aroclor 1232	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Aroclor 1242	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Aroclor 1248	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Aroclor 1254	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Aroclor 1260	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	< 0.2	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	< 0.13	< 0.13	< 0.12	< 0.13	< 0.12	< 0.13	< 0.15	< 0.14	< 0.13	< 0.13	< 0.14	< 0.13	< 0.15	< 0.13	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 1	< 1
2,4,5-Trichlorophenol	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 4	< 4
2,4-Dichlorophenol	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 10	< 10
2,4-Dimethylphenol	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 5	< 5
2,4-Dinitrophenol	ug/l	< 22	< 21	< 21	< 21	< 21	< 22	< 22	< 23	< 23	< 23	< 23	< 22	< 24	< 22	< 25	< 25
2,4-Dinitrotoluene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 0.55	< 0.52	< 0.52	< 0.53	< 0.53	< 0.54	< 0.56	< 0.57	< 0.58	< 0.58	< 0.58	< 0.56	< 0.59	< 0.54	< 5	< 5
2-Chloronaphthalene	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
2-Chlorophenol	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 10	< 10
2-Methyl-4,6-dinitrophenol	ug/l	< 22	< 21	< 21	< 21	< 21	< 22	< 22	< 23	< 23	< 23	< 23	< 22	< 24	< 22	< 20	< 20
2-Methylnaphthalene	ug/l	< 0.55	< 0.52	< 0.52	< 0.53	< 0.53	< 0.54	< 0.56	< 0.57	< 0.58	< 0.58	< 0.58	< 0.56	< 0.59	< 0.54	< 5	< 5
2-Methylphenol	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 10	< 10
2-Nitroaniline	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 25	< 25
2-Nitrophenol	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 2	< 2
3,3'-Dichlorobenzidine	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 4	< 4
3-Nitroaniline	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 25	< 25
4-Bromophenyl phenylether	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 5	< 5
4-Chloroaniline	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 10	< 10
4-Chlorophenyl phenylether	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 5	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/10/2010 11:35 AM	8/10/2010 2:37 PM	8/10/2010 3:51 PM	8/10/2010 4:40 PM	8/10/2010 7:00 PM	8/11/2010 11:29 AM	8/12/2010 7:00 AM	8/12/2010 10:08 AM	8/12/2010 10:52 AM	8/12/2010 12:02 PM	8/12/2010 3:14 PM	8/12/2010 4:03 PM	8/12/2010 4:52 PM	8/12/2010 7:00 PM	8/13/2010 10:11 AM	8/13/2010 10:54 AM
	Sample	WS0810113 5RCM1	WS0810143 7RCM1	WS0810155 1RCM1	WS0810164 0RCM1	WS0810190 0RCM1	WS0811112 9RCM1	WS0812070 0RCM1	WS0812100 8RCM1	WS0812105 2RCM1	WS0812120 2RCM1	WS0812151 4RCM1	WS0812160 3RCM1	WS0812165 2RCM1	WS0812190 0RCM1	WS0813101 1RCM1	WS0813105 4RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 25	< 25
4-Nitrophenol	ug/l	< 22	< 21	< 21	< 21	< 21	< 22	< 22	< 23	< 23	< 23	< 23	< 22	< 24	< 22	< 25	< 25
Acenaphthene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Acenaphthylene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Anthracene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Benzo(a)anthracene	ug/l	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.24	< 0.22	< 1	< 1
Benzo(a)pyrene	ug/l	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.24	< 0.22	< 1	< 1
Benzo(b)fluoranthene	ug/l	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.24	< 0.22	< 1	< 1
Benzo(g,h,i)perylene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1	< 1
Benzo(k)fluoranthene	ug/l	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.24	< 0.22	< 1	< 1
Bis(2-chloroethoxy) methane	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 1	< 1
Bis(2-chloroisopropyl) ether	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 11	< 10	< 10	1.9	1.3	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 5	< 5
Butyl benzyl phthalate	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
Carbazole	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 10	< 10
Chrysene	ug/l	< 0.55	< 0.52	< 0.52	< 0.53	< 0.53	< 0.54	< 0.56	< 0.57	< 0.58	< 0.58	< 0.58	< 0.56	< 0.59	< 0.54	< 1	< 1
Dibenzo(a,h)anthracene	ug/l	< 0.33	< 0.31	< 0.31	< 0.32	< 0.32	< 0.33	< 0.33	< 0.34	< 0.35	< 0.35	< 0.35	< 0.33	< 0.35	< 0.33	< 2	< 2
Dibenzofuran	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 4	< 4
Diethyl phthalate	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
Dimethyl phthalate	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
Di-n-butyl phthalate	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 5	< 5
Di-n-octyl phthalate	ug/l	< 11	< 10	< 10	< 11	< 11	< 11	< 11	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 5	< 5
Fluoranthene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1	< 1
Fluorene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 0.55	< 0.52	< 0.52	< 0.53	< 0.53	< 0.54	< 0.56	< 0.57	< 0.58	< 0.58	< 0.58	< 0.56	< 0.59	< 0.54	< 0.2	< 0.2
Hexachlorobutadiene (C-46)	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 1	< 1
Hexachlorocyclopentadiene (C-56)	ug/l	< 22	< 21	< 21	< 21	< 21	< 22	< 22	< 23	< 23	< 23	< 23	< 22	< 24	< 22	< 5	< 5
Hexachloroethane	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.22	< 0.23	< 0.23	< 0.23	< 0.23	< 0.22	< 0.24	< 0.22	< 2	< 2
Isophorone	ug/l	< 2.2	< 2.1	< 2.1	< 2.1	< 2.1	< 2.2	< 2.2	< 2.3	< 2.3	< 2.3	< 2.3	< 2.2	< 2.4	< 2.2	< 5	< 5
Naphthalene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Nitrobenzene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 3	< 3
n-Nitroso-di-n-propylamine	ug/l	< 0.55	< 0.52	< 0.52	< 0.53	< 0.53	< 0.54	< 0.56	< 0.57	< 0.58	< 0.58	< 0.58	< 0.56	< 0.59	< 0.54	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Pentachlorophenol	ug/l	< 22	< 21	< 21	< 21	< 21	< 22	< 22	< 23	< 23	< 23	< 23	< 22	< 24	< 22	< 5	< 5
Phenanthrene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 2	< 2
Phenol	ug/l	< 5.5	< 5.2	< 5.2	< 5.3	< 5.3	< 5.4	< 5.6	< 5.7	< 5.8	< 5.8	< 5.8	< 5.6	< 5.9	< 5.4	< 5	< 5
Pyrene	ug/l	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 280	< 250	< 240	< 250	< 260	< 260	< 280	< 280	< 280	< 280	< 280	< 270	< 270	< 270	25	27

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	8/10/2010 11:35 AM	8/10/2010 2:37 PM	8/10/2010 3:51 PM	8/10/2010 4:40 PM	8/10/2010 7:00 PM	8/11/2010 11:29 AM	8/12/2010 7:00 AM	8/12/2010 10:08 AM	8/12/2010 10:52 AM	8/12/2010 12:02 PM	8/12/2010 3:14 PM	8/12/2010 4:03 PM	8/12/2010 4:52 PM	8/12/2010 7:00 PM	8/13/2010 10:11 AM	8/13/2010 10:54 AM
	Sample	WS0810113 5RCM1	WS0810143 7RCM1	WS0810155 1RCM1	WS0810164 0RCM1	WS0810190 0RCM1	WS0811112 9RCM1	WS0812070 0RCM1	WS0812100 8RCM1	WS0812105 2RCM1	WS0812120 2RCM1	WS0812151 4RCM1	WS0812160 3RCM1	WS0812165 2RCM1	WS0812190 0RCM1	WS0813101 1RCM1	WS0813105 4RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 560	260	< 490	300	< 520	< 530	< 560	< 560	< 560	< 560	< 560	< 540	< 540	< 540	60	69
Specific Identification of Gasoline	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50
Acetone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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	Date Collected	8/10/2010 11:35 AM	8/10/2010 2:37 PM	8/10/2010 3:51 PM	8/10/2010 4:40 PM	8/10/2010 7:00 PM	8/11/2010 11:29 AM	8/12/2010 7:00 AM	8/12/2010 10:08 AM	8/12/2010 10:52 AM	8/12/2010 12:02 PM	8/12/2010 3:14 PM	8/12/2010 4:03 PM	8/12/2010 4:52 PM	8/12/2010 7:00 PM	8/13/2010 10:11 AM	8/13/2010 10:54 AM
	Sample	WS0810113 5RCM1	WS0810143 7RCM1	WS0810155 1RCM1	WS0810164 0RCM1	WS0810190 0RCM1	WS0811112 9RCM1	WS0812070 0RCM1	WS0812100 8RCM1	WS0812105 2RCM1	WS0812120 2RCM1	WS0812151 4RCM1	WS0812160 3RCM1	WS0812165 2RCM1	WS0812190 0RCM1	WS0813101 1RCM1	WS0813105 4RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/13/2010 11:36 AM	8/13/2010 2:20 PM	8/13/2010 3:46 PM	8/13/2010 4:33 PM	8/14/2010 1:39 PM	8/14/2010 1:57 PM	8/14/2010 4:39 PM	8/14/2010 6:30 PM	8/15/2010 7:26 AM	8/15/2010 9:45 AM	8/15/2010 10:41 AM	8/15/2010 1:45 PM	8/15/2010 2:20 PM	8/15/2010 3:30 PM	8/15/2010 6:30 PM	8/16/2010 7:57 AM
	Sample	WS0813113 6RCM1	WS0813142 0RCM1	WS0813154 6RCM1	WS0813163 3RCM1	WS0814133 9RCM1	WS0814135 7RCM1	WS0814163 9RCM1	WS0814183 0RCM1	WS0815072 6RCM1	WS0815094 5RCM1	WS0815104 1RCM1	WS0815134 5RCM1	WS0815142 0RCM1	WS0815153 0RCM1	WS0815183 0RCM1	WS0816075 7RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	37.7	24.5	53.7	150	< 100	< 100	< 100	< 100	94	13	33	26	160	81	120	86.5
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 2	< 2	< 2	< 2	0.21	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 2
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.6	1.6	1.7	1.8	1.5	1.6	1.7	1.9	1.9	1.6	1.8	1.6	2.2	1.9	2.1	2.4
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	< 100	< 100	< 100	< 100	60	61	62	65	65	61	64	60	69	63	65	65.8
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	67400	71800	68900	75000	70000	71000	75000	75000	78000	73000	76000	72000	80000	78000	78000	80500
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 10	< 10	0.78	1.4	< 5	< 5	< 5	0.6	2.6	< 5	< 5	< 5	1.2	0.53	0.98	< 10
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.1	0.11	0.13	0.16	0.16	0.12	0.12	0.2	0.24	0.11	0.14	0.11	0.22	0.15	0.19	0.13
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	< 4	< 4	< 4	< 4	0.87	2.5	0.91	1.7	1.2	1	0.98	1.1	1.6	1.2	2	0.67
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	124	< 200	293	394	190	200	320	500	590	150	270	180	770	480	630	338
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.25	< 3	0.39	0.75	0.3	0.36	0.42	0.79	0.75	0.26	0.38	0.34	1.3	0.7	1	< 3
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	18900	22200	20100	23000	20000	20000	21000	21000	22000	20000	21000	20000	22000	22000	22000	22300
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	54.6	40.3	84.1	128	51	51	76	89	94	46	69	56	120	92	96	78.7
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.6	0.67	0.83	0.85	0.76	0.7	0.73	0.8	2.1	0.71	0.74	0.68	1	0.77	1.1	0.87
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	1900	1750	1870	1870	1800	1800	1800	1800	1900	1900	1800	1900	1900	1900	1900	1900
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/13/2010 11:36 AM	8/13/2010 2:20 PM	8/13/2010 3:46 PM	8/13/2010 4:33 PM	8/14/2010 1:39 PM	8/14/2010 1:57 PM	8/14/2010 4:39 PM	8/14/2010 6:30 PM	8/15/2010 7:26 AM	8/15/2010 9:45 AM	8/15/2010 10:41 AM	8/15/2010 1:45 PM	8/15/2010 2:20 PM	8/15/2010 3:30 PM	8/15/2010 6:30 PM	8/16/2010 7:57 AM
	Sample	WS0813113 6RCM1	WS0813142 0RCM1	WS0813154 6RCM1	WS0813163 3RCM1	WS0814133 9RCM1	WS0814135 7RCM1	WS0814163 9RCM1	WS0814183 0RCM1	WS0815072 6RCM1	WS0815094 5RCM1	WS0815104 1RCM1	WS0815134 5RCM1	WS0815142 0RCM1	WS0815153 0RCM1	WS0815183 0RCM1	WS0816075 7RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	17800	20400	18300	21200	17000	17000	17000	17000	17000	17000	17000	17000	19000	19000	18000	17700
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 10	< 10	< 10	< 10	< 5	< 5	0.52	0.63	0.62	< 5	< 5	0.54	0.82	0.66	0.79	< 10
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 50	< 50	< 50	< 50	< 20	< 20	< 20	18	< 20	< 20	< 20	< 20	6.7	< 20	9.6	< 50
PCB																	
Aroclor 1016	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Aroclor 1221	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Aroclor 1232	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Aroclor 1242	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Aroclor 1248	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Aroclor 1254	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Aroclor 1260	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	< 0.16	< 0.14	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.17	< 0.14	< 0.14	< 0.14	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 5
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 1
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 5
2,4,6-Trichlorophenol	ug/l	< 4	< 4	< 4	< 4	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.4	< 6.1	< 4
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 5
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 22	< 23	< 24	< 24	< 24	< 21	< 22	< 21	< 21	< 22	< 24	< 25
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 0.55	< 0.57	< 0.6	< 0.6	< 0.6	< 0.53	< 0.56	< 0.53	< 0.53	< 0.54	< 0.61	< 5
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 5
2-Chlorophenol	ug/l	< 10	< 10	< 10	< 10	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.4	< 6.1	< 10
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 22	< 23	< 24	< 24	< 24	< 21	< 22	< 21	< 21	< 22	< 24	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 0.55	< 0.57	< 0.6	< 0.6	< 0.6	< 0.53	< 0.56	< 0.53	< 0.53	< 0.54	< 0.61	< 5
2-Methylphenol	ug/l	< 10	< 10	< 10	< 10	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 10
2-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.4	< 6.1	< 25
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 5
3- And 4- Methylphenol (Total)	ug/l	< 2	< 2	< 2	< 2	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.2	< 2.4	< 2
3,3'-Dichlorobenzidine	ug/l	< 4	< 4	< 4	< 4	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.4	< 6.1	< 4
3-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 25
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.4	< 6.1	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 5
4-Chloroaniline	ug/l	< 10	< 10	< 10	< 10	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 10
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.4	< 6.1	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	Date Collected	8/13/2010 11:36 AM	8/13/2010 2:20 PM	8/13/2010 3:46 PM	8/13/2010 4:33 PM	8/14/2010 1:39 PM	8/14/2010 1:57 PM	8/14/2010 4:39 PM	8/14/2010 6:30 PM	8/15/2010 7:26 AM	8/15/2010 9:45 AM	8/15/2010 10:41 AM	8/15/2010 1:45 PM	8/15/2010 2:20 PM	8/15/2010 3:30 PM	8/15/2010 6:30 PM	8/16/2010 7:57 AM
	Sample	WS0813113 6RCM1	WS0813142 0RCM1	WS0813154 6RCM1	WS0813163 3RCM1	WS0814133 9RCM1	WS0814135 7RCM1	WS0814163 9RCM1	WS0814183 0RCM1	WS0815072 6RCM1	WS0815094 5RCM1	WS0815104 1RCM1	WS0815134 5RCM1	WS0815142 0RCM1	WS0815153 0RCM1	WS0815183 0RCM1	WS0816075 7RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	< 25
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 22	< 23	< 24	< 24	< 24	< 21	< 22	< 21	< 21	< 22	< 24	< 25
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 5
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 0.22	< 0.23	< 0.24	< 0.24	< 0.24	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.22	< 0.24
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 0.22	< 0.23	< 0.24	< 0.24	< 0.24	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.22	< 0.24
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 0.22	< 0.23	< 0.24	< 0.24	< 0.24	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.22	< 0.24
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 0.22	< 0.23	< 0.24	< 0.24	< 0.24	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.22	< 0.24
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Bis(2-chloroethyl)ether	ug/l	< 1	< 1	< 1	< 1	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Bis(2-ethylhexyl)phthalate	ug/l	1.1	< 5	< 5	< 5	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 12	0.9
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.3	< 5.4	< 6.1
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 0.55	< 0.57	< 0.6	< 0.6	< 0.6	< 0.53	< 0.56	< 0.53	< 0.53	< 0.53	< 0.54	< 0.61
Dibenzo(a,h)anthracene	ug/l	< 2	< 2	< 2	< 2	< 0.33	< 0.34	< 0.36	< 0.36	< 0.36	< 0.32	< 0.34	< 0.32	< 0.32	< 0.32	< 0.33	< 0.37
Dibenzofuran	ug/l	< 4	< 4	< 4	< 4	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Diethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Dimethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.3	< 5.4	< 6.1
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 12	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Hexachlorobenzene (C-66)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.55	< 0.57	< 0.6	< 0.6	< 0.6	< 0.53	< 0.56	< 0.53	< 0.53	< 0.53	< 0.54	< 0.61
Hexachlorobutadiene (C-46)	ug/l	< 1	< 1	< 1	< 1	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.3	< 5.4	< 6.1
Hexachlorocyclopentadiene (C-56)	ug/l	< 5	< 5	< 5	< 5	< 22	< 23	< 24	< 24	< 24	< 21	< 22	< 21	< 21	< 21	< 22	< 24
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.3	< 5.4	< 6.1
Indeno(1,2,3-c,d)pyrene	ug/l	< 2	< 2	< 2	< 2	< 0.22	< 0.23	< 0.24	< 0.24	< 0.24	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.22	< 0.24
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 2.2	< 2.3	< 2.4	< 2.4	< 2.4	< 2.1	< 2.2	< 2.1	< 2.1	< 2.1	< 2.2	< 2.4
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Nitrobenzene	ug/l	< 3	< 3	< 3	< 3	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 0.55	< 0.57	< 0.6	< 0.6	< 0.6	< 0.53	< 0.56	< 0.53	< 0.53	< 0.53	< 0.54	< 0.61
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Pentachlorophenol	ug/l	< 5	< 5	< 5	< 5	< 22	< 23	< 24	< 24	< 24	< 21	< 22	< 21	< 21	< 21	< 22	< 24
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5.5	< 5.7	< 6	< 6	< 6	< 5.3	< 5.6	< 5.3	< 5.3	< 5.3	< 5.4	< 6.1
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	22	< 100	< 100	< 100	< 250	< 260	< 260	< 300	< 280	< 250	< 250	< 250	< 250	< 250	< 250	< 100

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/13/2010 11:36 AM	8/13/2010 2:20 PM	8/13/2010 3:46 PM	8/13/2010 4:33 PM	8/14/2010 1:39 PM	8/14/2010 1:57 PM	8/14/2010 4:39 PM	8/14/2010 6:30 PM	8/15/2010 7:26 AM	8/15/2010 9:45 AM	8/15/2010 10:41 AM	8/15/2010 1:45 PM	8/15/2010 2:20 PM	8/15/2010 3:30 PM	8/15/2010 6:30 PM	8/16/2010 7:57 AM
	Sample	WS0813113 6RCM1	WS0813142 0RCM1	WS0813154 6RCM1	WS0813163 3RCM1	WS0814133 9RCM1	WS0814135 7RCM1	WS0814163 9RCM1	WS0814183 0RCM1	WS0815072 6RCM1	WS0815094 5RCM1	WS0815104 1RCM1	WS0815134 5RCM1	WS0815142 0RCM1	WS0815153 0RCM1	WS0815183 0RCM1	WS0816075 7RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 500	< 500	< 500	< 500	< 510	< 520	< 520	< 600	< 560	< 500	< 500	< 500	< 500	< 500	< 500	< 500
Specific Identification of Gasoline	ug/l	< 100	< 100	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 25	< 25	0.69	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 25
2-Hexanone	ug/l	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Acetone	ug/l	< 25	< 25	1.6	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.4
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/13/2010 11:36 AM	8/13/2010 2:20 PM	8/13/2010 3:46 PM	8/13/2010 4:33 PM	8/14/2010 1:39 PM	8/14/2010 1:57 PM	8/14/2010 4:39 PM	8/14/2010 6:30 PM	8/15/2010 7:26 AM	8/15/2010 9:45 AM	8/15/2010 10:41 AM	8/15/2010 1:45 PM	8/15/2010 2:20 PM	8/15/2010 3:30 PM	8/15/2010 6:30 PM	8/16/2010 7:57 AM
	Sample	WS0813113 6RCM1	WS0813142 0RCM1	WS0813154 6RCM1	WS0813163 3RCM1	WS0814133 9RCM1	WS0814135 7RCM1	WS0814163 9RCM1	WS0814183 0RCM1	WS0815072 6RCM1	WS0815094 5RCM1	WS0815104 1RCM1	WS0815134 5RCM1	WS0815142 0RCM1	WS0815153 0RCM1	WS0815183 0RCM1	WS0816075 7RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1
Dibromomethane	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 1	< 1	< 1	< 1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 50
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/16/2010 9:30 AM	8/16/2010 10:05 AM	8/16/2010 11:40 AM	8/16/2010 2:40 PM	8/16/2010 3:00 PM	8/17/2010 7:28 AM	8/17/2010 10:00 AM	8/17/2010 11:00 AM	8/17/2010 11:25 AM	8/17/2010 2:43 PM	8/17/2010 4:31 PM	8/19/2010 11:10 AM	8/19/2010 11:30 AM	8/19/2010 11:58 AM	8/19/2010 2:55 PM	8/19/2010 3:18 PM
	Sample	WS0816093 0RCM1	WS0816100 5RCM1	WS0816114 0RCM1	WS0816144 0RCM1	WS0816150 0RCM1	WS0817072 8RCM1	WS0817100 0RCM1	WS0817110 0RCM1	WS0817112 5RCM1	WS0817144 3RCM1	WS0817163 1RCM1	WSE081911 10RCM1	WSE081911 30RCM1	WSE081911 58RCM1	WSE081914 55RCM1	WSE081915 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	7	7	7	7	7
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	91.9	93.2	55	97.8	53.1	44	67	30	36	59	60	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 2	< 2	< 2	< 2	< 2	< 3	< 3	< 3	< 3	< 3	< 3	< 2	< 2	< 2	< 2	< 2
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	2.5	2.5	2.5	2.6	2.6	1.8	1.8	1.6	1.7	1.7	1.8	1.8	1.8	1.7	1.9	1.6
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	64.1	62.3	63.2	60.5	63.9	64	63	63	64	64	64	61.2	61.5	60	63.2	59.4
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	80800	79200	76200	76800	79800	77000	78000	76000	77000	78000	79000	81700	82100	80000	83900	79200
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	0.73	< 10	< 10	0.74	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	0.72	< 10
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.14	0.14	0.098	0.11	0.11	0.12	0.14	0.12	0.11	0.12	0.13	0.11	0.11	0.11	0.15	0.11
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.88	0.91	0.56	0.81	0.89	< 2	< 2	< 2	< 2	< 2	< 2	0.76	0.7	0.89	0.99	0.77
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	331	303	97.4	206	103	330	430	180	190	230	350	72.4	62.6	50.6	304	46.6
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	< 3	< 3	< 3	< 3	< 3	0.44	0.58	0.35	0.39	0.48	0.52	0.26	0.25	0.23	0.64	0.22
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	23000	21900	21000	21300	21500	22000	22000	22000	22000	22000	22000	23600	23500	22600	23900	22200
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	78.7	71.8	56.7	65.3	62.2	74	74	49	51	54	71	51.2	49	45	80.8	44.4
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.079	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	0.98	1.1	1	1.1	1
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.81	0.85	0.79	0.8	0.74	0.69	0.8	0.84	0.74	0.86	0.74	0.76	0.83	0.74	1.5	0.67
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	1950	1880	1950	1910	1960	1700	1800	1800	1800	1800	1800	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	8/16/2010 9:30 AM	8/16/2010 10:05 AM	8/16/2010 11:40 AM	8/16/2010 2:40 PM	8/16/2010 3:00 PM	8/17/2010 7:28 AM	8/17/2010 10:00 AM	8/17/2010 11:00 AM	8/17/2010 11:25 AM	8/17/2010 2:43 PM	8/17/2010 4:31 PM	8/19/2010 11:10 AM	8/19/2010 11:30 AM	8/19/2010 11:58 AM	8/19/2010 2:55 PM	8/19/2010 3:18 PM
	Sample	WS0816093 0RCM1	WS0816100 5RCM1	WS0816114 0RCM1	WS0816144 0RCM1	WS0816150 0RCM1	WS0817072 8RCM1	WS0817100 0RCM1	WS0817110 0RCM1	WS0817112 5RCM1	WS0817144 3RCM1	WS0817163 1RCM1	WSE081911 10RCM1	WSE081911 30RCM1	WSE081911 58RCM1	WSE081914 55RCM1	WSE081915 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	19500	17900	18100	18100	18000	17000	18000	17000	18000	18000	18000	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	0.51	< 5	< 10	< 10	< 10	< 10	< 10
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 50	< 50	< 50	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50
PCB																	
Aroclor 1016	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1221	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1232	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1242	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1248	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1254	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1260	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	< 0.14	< 0.14	< 0.16	< 0.13	< 0.13	< 0.12	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 1	< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 11	< 10	< 11	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 4	< 4	< 4	< 4	< 4	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 4	< 4	< 4	< 4	< 4
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 11	< 11	< 12	< 11	< 10	< 11	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 11	< 10	< 11	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 21	< 22	< 25	< 22	< 21	< 21	< 25	< 25	< 25	< 25	< 25
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 0.53	< 0.55	< 0.62	< 0.54	< 0.52	< 0.53	< 5	< 5	< 5	< 5	< 5
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 10	< 10	< 10	< 10	< 10
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 21	< 22	< 25	< 22	< 21	< 21	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 0.53	< 0.55	< 0.62	< 0.54	< 0.52	< 0.53	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 10	< 10	< 10	< 10	< 10
2-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 25	< 25	< 25	< 25	< 25
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 11	< 10	< 11	< 5	< 5	< 5	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 2	< 2	< 2	< 2	< 2
3,3'-Dichlorobenzidine	ug/l	< 4	< 4	< 4	< 4	< 4	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 4	< 4	< 4	< 4	< 4
3-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 11	< 11	< 12	< 11	< 10	< 11	< 25	< 25	< 25	< 25	< 25
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 11	< 10	< 11	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 10	< 10	< 10	< 10	< 10	< 11	< 11	< 12	< 11	< 10	< 11	< 10	< 10	< 10	< 10	< 10
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 11	< 11	< 12	< 11	< 10	< 11	< 25	< 25	< 25	< 25	< 25
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 21	< 22	< 25	< 22	< 21	< 21	< 25	< 25	< 25	< 25	< 25
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.22	< 0.25	< 0.22	< 0.21	< 0.21	< 1	< 1	< 1	< 1	< 1
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.22	< 0.25	< 0.22	< 0.21	< 0.21	< 1	< 1	< 1	< 1	< 1
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.22	< 0.25	< 0.22	< 0.21	< 0.21	< 1	< 1	< 1	< 1	< 1
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1	< 1	< 1	< 1	< 1
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 0.21	< 0.22	< 0.25	< 0.22	< 0.21	< 0.21	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 11	< 10	< 11	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 1	< 0.53	< 0.55	< 0.62	< 0.54	< 0.52	< 0.53	< 1	< 1	< 1	< 1	< 1
Dibenzo(a,h)anthracene	ug/l	< 2	< 2	< 2	< 2	< 2	< 0.32	< 0.33	< 0.38	< 0.32	< 0.31	< 0.32	< 2	< 2	< 2	< 2	< 2
Dibenzofuran	ug/l	< 4	< 4	< 4	< 4	< 4	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 4	< 4	< 4	< 4	< 4
Diethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
Dimethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 11	< 11	< 12	< 11	< 10	< 11	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1	< 1	< 1	< 1	< 1
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.53	< 0.55	< 0.62	< 0.54	< 0.52	< 0.53	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobutadiene (C-46)	ug/l	< 1	< 1	< 1	< 1	< 1	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene (C-56)	ug/l	< 5	< 5	< 5	< 5	< 5	< 21	< 22	< 25	< 22	< 21	< 21	< 5	< 5	< 5	< 5	< 5
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 0.21	< 0.22	< 0.25	< 0.22	< 0.21	< 0.21	< 2	< 2	< 2	< 2	< 2
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 2.1	< 2.2	< 2.5	< 2.2	< 2.1	< 2.1	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 3	< 3	< 3	< 3	< 3	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 3	< 3	< 3	< 3	< 3
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 0.53	< 0.55	< 0.62	< 0.54	< 0.52	< 0.53	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 21	< 22	< 25	< 22	< 21	< 21	< 5	< 5	< 5	< 5	< 5
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 2	< 2	< 2	< 2	< 2
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5.3	< 5.5	< 6.2	< 5.4	< 5.2	< 5.3	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	6	5	6	8	6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 100	< 100	< 100	< 100	< 100	< 290	< 270	< 260	< 270	< 290	< 290	< 100	< 100	< 100	< 100	< 100

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/16/2010 9:30 AM	8/16/2010 10:05 AM	8/16/2010 11:40 AM	8/16/2010 2:40 PM	8/16/2010 3:00 PM	8/17/2010 7:28 AM	8/17/2010 10:00 AM	8/17/2010 11:00 AM	8/17/2010 11:25 AM	8/17/2010 2:43 PM	8/17/2010 4:31 PM	8/19/2010 11:10 AM	8/19/2010 11:30 AM	8/19/2010 11:58 AM	8/19/2010 2:55 PM	8/19/2010 3:18 PM
	Sample	WS0816093 0RCM1	WS0816100 5RCM1	WS0816114 0RCM1	WS0816144 0RCM1	WS0816150 0RCM1	WS0817072 8RCM1	WS0817100 0RCM1	WS0817110 0RCM1	WS0817112 5RCM1	WS0817144 3RCM1	WS0817163 1RCM1	WSE081911 10RCM1	WSE081911 30RCM1	WSE081911 58RCM1	WSE081914 55RCM1	WSE081915 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 500	< 500	< 500	< 500	< 500	< 570	< 540	< 510	< 530	< 580	< 570	< 500	< 500	< 500	< 500	< 500
Specific Identification of Gasoline	ug/l	< 100	< 100	< 100	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 100	< 100	< 100
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 25	< 25	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 25
2-Hexanone	ug/l	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 50	< 50
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 50	< 50
Acetone	ug/l	1.4	1.9	1.7	4.2	2	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 25	< 25	< 25
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/16/2010 9:30 AM	8/16/2010 10:05 AM	8/16/2010 11:40 AM	8/16/2010 2:40 PM	8/16/2010 3:00 PM	8/17/2010 7:28 AM	8/17/2010 10:00 AM	8/17/2010 11:00 AM	8/17/2010 11:25 AM	8/17/2010 2:43 PM	8/17/2010 4:31 PM	8/19/2010 11:10 AM	8/19/2010 11:30 AM	8/19/2010 11:58 AM	8/19/2010 2:55 PM	8/19/2010 3:18 PM
	Sample	WS0816093 0RCM1	WS0816100 5RCM1	WS0816114 0RCM1	WS0816144 0RCM1	WS0816150 0RCM1	WS0817072 8RCM1	WS0817100 0RCM1	WS0817110 0RCM1	WS0817112 5RCM1	WS0817144 3RCM1	WS0817163 1RCM1	WSE081911 10RCM1	WSE081911 30RCM1	WSE081911 58RCM1	WSE081914 55RCM1	WSE081915 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1	< 1	< 1	< 1	< 1
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 50	< 50	< 50
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	301	302	293	308	289

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/19/2010 4:50 PM	8/20/2010 9:37 AM	8/20/2010 9:57 AM	8/20/2010 11:30 AM	8/20/2010 2:08 PM	8/20/2010 2:28 PM	8/20/2010 2:50 PM	8/20/2010 3:56 PM	8/20/2010 4:46 PM	8/21/2010 2:07 PM	8/21/2010 2:38 PM	8/21/2010 3:17 PM	8/21/2010 3:50 PM	8/21/2010 4:01 PM	8/21/2010 4:15 PM	8/21/2010 5:15 PM
	Sample	WSE081916 50RCM1	WSE082009 37RCM1	WSE082009 57RCM1	WSE082011 30RCM1	WSE082014 08RCM1	WSE082014 28RCM1	WSE082014 50RCM1	WSE082015 56RCM1	WSE082016 46RCM1	WSE082114 07RCM1	WSE082114 38RCM1	WSE082115 17RCM1	WSE082115 50JRP1	WSE082116 01RCM1	WSE082116 15RCM1	WSE082117 15JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	6	6	6	7	7	7	7	7	5	6	6	6	5	6	6	5
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.7	1.7	1.9	1.9	1.8	1.8	1.6	1.9	1.9	1.8	1.6	1.6	1.6	1.8	1.7	1.9
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	59.9	60.7	61.5	60.9	60.8	60.4	58.9	61.1	60.2	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	83700	79200	79400	77300	79100	80900	77000	79500	81000	80600	80600	78800	80400	81800	80500	82000
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 10	1.2	< 10	< 10	< 10	1	< 10	< 10	1.1	< 10	< 10	< 10	< 10	< 10	< 10	0.75
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.13	0.17	0.14	0.12	0.11	0.2	0.11	0.13	0.19	0.12	0.11	0.1	0.12	0.12	0.099	0.14
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.86	0.97	0.91	0.74	0.79	1.1	0.67	0.77	1	0.82	0.67	0.68	< 4	0.63	0.73	< 4
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	188	489	309	117	38.5	515	30.4	47.8	514	103	110	< 200	160	69.2	< 200	234
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.34	0.74	0.51	0.37	0.23	0.84	0.2	0.25	0.84	0.33	0.24	< 3	< 3	0.26	< 3	< 3
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	23600	23700	24000	23000	23900	24200	23700	24000	24300	24100	24200	23400	24500	24800	23600	25200
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	63.2	77.6	72.8	59.2	43.3	76.1	41.9	43.5	76.2	57.4	51.8	39.5	60.6	57.1	39.2	64.2
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	1.1	< 1	1.1	< 1	1.1	1.1	1.1	1	1.1	1.2	1.1	1.1	1.2	1.1	1.1	1.2
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.74	0.93	0.69	0.8	0.68	0.86	0.76	0.75	0.86	0.76	0.69	0.7	0.64	0.77	0.73	0.84
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/19/2010 4:50 PM	8/20/2010 9:37 AM	8/20/2010 9:57 AM	8/20/2010 11:30 AM	8/20/2010 2:08 PM	8/20/2010 2:28 PM	8/20/2010 2:50 PM	8/20/2010 3:56 PM	8/20/2010 4:46 PM	8/21/2010 2:07 PM	8/21/2010 2:38 PM	8/21/2010 3:17 PM	8/21/2010 3:50 PM	8/21/2010 4:01 PM	8/21/2010 4:15 PM	8/21/2010 5:15 PM
	Sample	WSE081916 50RCM1	WSE082009 37RCM1	WSE082009 57RCM1	WSE082011 30RCM1	WSE082014 08RCM1	WSE082014 28RCM1	WSE082014 50RCM1	WSE082015 56RCM1	WSE082016 46RCM1	WSE082114 07RCM1	WSE082114 38RCM1	WSE082115 17RCM1	WSE082115 50JRP1	WSE082116 01RCM1	WSE082116 15RCM1	WSE082117 15JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PCB																	
Aroclor 1016	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1221	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1232	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1242	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1248	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1254	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Aroclor 1260	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.8	< 4	< 4	< 4	< 4.9	< 4	< 4
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 12	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 30	< 25	< 25	< 25	< 30	< 25	< 25
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
2-Chlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 12	< 10	< 10
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 24	< 20	< 20	< 20	< 24	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
2-Methylphenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 12	< 10	< 10
2-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 30	< 25	< 25	< 25	< 30	< 25	< 25
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.4	< 2	< 2	< 2	< 2.4	< 2	< 2
3,3'-Dichlorobenzidine	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.8	< 4	< 4	< 4	< 4.9	< 4	< 4
3-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 30	< 25	< 25	< 25	< 30	< 25	< 25
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
4-Chloroaniline	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 12	< 10	< 10
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	8/19/2010 4:50 PM	8/20/2010 9:37 AM	8/20/2010 9:57 AM	8/20/2010 11:30 AM	8/20/2010 2:08 PM	8/20/2010 2:28 PM	8/20/2010 2:50 PM	8/20/2010 3:56 PM	8/20/2010 4:46 PM	8/21/2010 2:07 PM	8/21/2010 2:38 PM	8/21/2010 3:17 PM	8/21/2010 3:50 PM	8/21/2010 4:01 PM	8/21/2010 4:15 PM	8/21/2010 5:15 PM
	Sample	WSE081916 50RCM1	WSE082009 37RCM1	WSE082009 57RCM1	WSE082011 30RCM1	WSE082014 08RCM1	WSE082014 28RCM1	WSE082014 50RCM1	WSE082015 56RCM1	WSE082016 46RCM1	WSE082114 07RCM1	WSE082114 38RCM1	WSE082115 17RCM1	WSE082115 50JRP1	WSE082116 01RCM1	WSE082116 15RCM1	WSE082117 15JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 30	< 25	< 25	< 25	< 30	< 25	< 25
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 30	< 25	< 25	< 25	< 30	< 25	< 25
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 12	< 10	< 10
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Dibenzo(a,h)anthracene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.4	< 2	< 2	< 2	< 2.4	< 2	< 2
Dibenzofuran	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4.8	< 4	< 4	< 4	< 4.9	< 4	< 4
Diethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Dimethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.24	< 0.2	< 0.2	< 0.2	< 0.24	< 0.2	< 0.2
Hexachlorobutadiene (C-46)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1	< 1	< 1	< 1.2	< 1	< 1
Hexachlorocyclopentadiene (C-56)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.4	< 2	< 2	< 2	< 2.4	< 2	< 2
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Nitrobenzene	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3.6	< 3	< 3	< 3	< 3.7	< 3	< 3
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Pentachlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.4	< 2	< 2	< 2	< 2.4	< 2	< 2
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 5	< 5	< 5	< 6.1	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	2	5	5	10	5	4	5	5	2	6	4	4	< 4	< 4	< 4	< 4
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	8/19/2010 4:50 PM	8/20/2010 9:37 AM	8/20/2010 9:57 AM	8/20/2010 11:30 AM	8/20/2010 2:08 PM	8/20/2010 2:28 PM	8/20/2010 2:50 PM	8/20/2010 3:56 PM	8/20/2010 4:46 PM	8/21/2010 2:07 PM	8/21/2010 2:38 PM	8/21/2010 3:17 PM	8/21/2010 3:50 PM	8/21/2010 4:01 PM	8/21/2010 4:15 PM	8/21/2010 5:15 PM
	Sample	WSE081916 50RCM1	WSE082009 37RCM1	WSE082009 57RCM1	WSE082011 30RCM1	WSE082014 08RCM1	WSE082014 28RCM1	WSE082014 50RCM1	WSE082015 56RCM1	WSE082016 46RCM1	WSE082114 07RCM1	WSE082114 38RCM1	WSE082115 17RCM1	WSE082115 50JRP1	WSE082116 01RCM1	WSE082116 15RCM1	WSE082117 15JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500
Specific Identification of Gasoline	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	0.8	< 25	< 25	< 25	< 25	< 25
2-Hexanone	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/19/2010 4:50 PM	8/20/2010 9:37 AM	8/20/2010 9:57 AM	8/20/2010 11:30 AM	8/20/2010 2:08 PM	8/20/2010 2:28 PM	8/20/2010 2:50 PM	8/20/2010 3:56 PM	8/20/2010 4:46 PM	8/21/2010 2:07 PM	8/21/2010 2:38 PM	8/21/2010 3:17 PM	8/21/2010 3:50 PM	8/21/2010 4:01 PM	8/21/2010 4:15 PM	8/21/2010 5:15 PM
	Sample	WSE081916 50RCM1	WSE082009 37RCM1	WSE082009 57RCM1	WSE082011 30RCM1	WSE082014 08RCM1	WSE082014 28RCM1	WSE082014 50RCM1	WSE082015 56RCM1	WSE082016 46RCM1	WSE082114 07RCM1	WSE082114 38RCM1	WSE082115 17RCM1	WSE082115 50JRP1	WSE082116 01RCM1	WSE082116 15RCM1	WSE082117 15JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	360	295	297	288	296	301	290	297	302	300	301	293	302	306	298	308

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/22/2010 9:47 AM	8/22/2010 10:00 AM	8/22/2010 10:08 AM	8/22/2010 10:10 AM	8/22/2010 10:38 AM	8/22/2010 11:20 AM	8/23/2010 9:20 AM	8/23/2010 9:37 AM	8/23/2010 9:55 AM	8/23/2010 2:10 PM	8/23/2010 2:20 PM	8/23/2010 2:40 PM	8/23/2010 2:43 PM	8/23/2010 3:12 PM	8/23/2010 3:40 PM	8/24/2010 10:45 AM
	Sample	WSE082209 47RCM1	WSE082210 00JRP1	WSE082210 08RCM1	WSE082210 10JRP1	WSE082210 38RCM1	WSE082211 20JRP1	WSE082309 20RCM1	WSE082309 37RCM1	WSE082309 55JRP1	WSE082314 10JRP1	WSE082314 20RCM1	WSE082314 40JRP1	WSE082314 43RCM1	WSE082315 12RCM1	WSE082315 40JRP1	WSE082410 45JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	6	5	6	5	6	5	7	7	5	5	6	5	6	7	5	5
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 2	< 2	< 3	< 3	< 2	< 3	< 2	< 2	< 3	< 2
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.6	1.7	1.7	1.7	1.7	1.6	2.2	1.9	1.7	1.7	1.7	1.8	1.9	1.8	1.6	1.6
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	63	65	65	64	65	65	< 100	< 100	64	65	< 100	65	< 100	< 100	62	61.1
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.5	< 1	< 0.5	< 1	< 1	< 0.5	< 1
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	78000	80000	82000	80000	78000	79000	83600	80200	80000	82000	80400	81000	83200	82000	81000	83900
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 5	< 5	< 5	0.5	< 5	< 5	1	< 10	< 5	< 5	< 10	0.76	< 10	< 10	< 5	< 10
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.18	0.12	0.13	0.12	0.3	0.11	0.097	0.069	0.1	0.11	0.059	0.13	0.077	< 20	< 1	0.16
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.77	0.86	0.78	0.82	0.82	0.96	< 4	< 4	< 2	< 2	< 4	< 2	< 4	< 4	< 2	1.3
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	280	310	280	390	230	350	256	65.9	370	360	< 200	530	< 200	< 200	350	268
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.5	0.47	0.49	0.56	0.42	0.5	< 3	< 3	0.52	0.54	< 3	0.78	< 3	< 3	0.58	0.61
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	23000	24000	24000	24000	23000	23000	23100	22300	25000	25000	21900	24000	22600	22700	25000	25200
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	64	69	67	72	62	79	61.4	42.4	73	71	52.8	100	52.7	44.3	77	69.2
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	1.1	1.3	< 4	< 4	1	< 4	1	1.1	< 4	1.2
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.79	0.67	0.71	0.66	0.86	0.67	0.96	0.77	0.61	0.68	0.7	0.7	0.68	0.76	0.63	0.88
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5	< 5	< 2.5	< 2.5	< 5	< 2.5	< 5	< 5	< 2.5	< 5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.2	< 0.2	< 0.5	< 0.2

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/22/2010 9:47 AM	8/22/2010 10:00 AM	8/22/2010 10:08 AM	8/22/2010 10:10 AM	8/22/2010 10:38 AM	8/22/2010 11:20 AM	8/23/2010 9:20 AM	8/23/2010 9:37 AM	8/23/2010 9:55 AM	8/23/2010 2:10 PM	8/23/2010 2:20 PM	8/23/2010 2:40 PM	8/23/2010 2:43 PM	8/23/2010 3:12 PM	8/23/2010 3:40 PM	8/24/2010 10:45 AM
	Sample	WSE082209 47RCM1	WSE082210 00JRP1	WSE082210 08RCM1	WSE082210 10JRP1	WSE082210 38RCM1	WSE082211 20JRP1	WSE082309 20RCM1	WSE082309 37RCM1	WSE082309 55JRP1	WSE082314 10JRP1	WSE082314 20RCM1	WSE082314 40JRP1	WSE082314 43RCM1	WSE082315 12RCM1	WSE082315 40JRP1	WSE082410 45JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	< 10	< 5	< 10	< 10	< 5	< 10
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 20	< 20	< 50	< 20	< 50	< 50	< 20	7.3
PCB																	
Aroclor 1016	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	< 0.14	< 0.13	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Aroclor 1221	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	< 0.14	< 0.13	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Aroclor 1232	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	< 0.14	< 0.13	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Aroclor 1242	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	< 0.14	< 0.13	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Aroclor 1248	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	1.3	0.68	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Aroclor 1254	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	< 0.14	< 0.13	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Aroclor 1260	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	< 0.2	< 0.2	< 0.14	< 0.13	< 0.2	< 0.13	< 0.2	< 0.2	< 0.13	< 0.2
Polychlorinated biphenyls (PCBs), total	ug/l	< 0.14	< 0.14	< 0.14	< 0.15	< 0.14	< 0.14	---	---	1.3	0.68	---	< 0.13	---	---	< 0.13	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
1,2-Dichlorobenzene	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 1	< 1	< 2.2	< 2.1	< 1	< 2.2	< 1	< 1	< 2	< 1
1,3-Dichlorobenzene	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 1	< 1	< 2.2	< 2.1	< 1	< 2.2	< 1	< 1	< 2	< 1
1,4-Dichlorobenzene	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 1	< 1	< 2.2	< 2.1	< 1	< 2.2	< 1	< 1	< 2	< 1
2,4,5-Trichlorophenol	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 5	< 5	< 11	< 11	< 5	< 11	< 5	< 5	< 10	< 5
2,4,6-Trichlorophenol	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 4	< 4	< 5.4	< 5.3	< 4	< 5.6	< 4	< 4	< 5.1	< 4
2,4-Dichlorophenol	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 10	< 10	< 11	< 11	< 10	< 11	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 5	< 5	< 11	< 11	< 5	< 11	< 5	< 5	< 10	< 5
2,4-Dinitrophenol	ug/l	< 24	< 22	< 24	< 21	< 25	< 22	< 25	< 25	< 22	< 21	< 25	< 22	< 25	< 25	< 25	< 25
2,4-Dinitrotoluene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
2,6-Dinitrotoluene	ug/l	< 0.59	< 0.54	< 0.59	< 0.52	< 0.62	< 0.56	< 5	< 5	< 0.54	< 0.53	< 5	< 0.56	< 5	< 5	< 0.51	< 5
2-Chloronaphthalene	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
2-Chlorophenol	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 10	< 10	< 5.4	< 5.3	< 10	< 5.6	< 10	< 10	< 5.1	< 10
2-Methyl-4,6-dinitrophenol	ug/l	< 24	< 22	< 24	< 21	< 25	< 22	< 20	< 20	< 22	< 21	< 20	< 22	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 0.59	< 0.54	< 0.59	< 0.52	< 0.62	< 0.56	< 5	< 5	< 0.54	< 0.53	< 5	< 0.56	< 5	< 5	< 0.51	< 5
2-Methylphenol	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 10	< 10	< 2.2	< 2.1	< 10	< 2.2	< 10	< 10	< 2	< 10
2-Nitroaniline	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 25	< 25	< 5.4	< 5.3	< 25	< 5.6	< 25	< 25	< 5.1	< 25
2-Nitrophenol	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 5	< 5	< 11	< 11	< 5	< 11	< 5	< 5	< 10	< 5
3- And 4- Methylphenol (Total)	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 2	< 2	< 2.2	< 2.1	< 2	< 2.2	< 2	< 2	< 2	< 2
3,3'-Dichlorobenzidine	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 4	< 4	< 5.4	< 5.3	< 4	< 5.6	< 4	< 4	< 5.1	< 4
3-Nitroaniline	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 25	< 25	< 11	< 11	< 25	< 11	< 25	< 25	< 10	< 25
4-Bromophenyl phenylether	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 5	< 5	< 5.4	< 5.3	< 5	< 5.6	< 5	< 5	< 5.1	< 5
4-Chloro-3-methylphenol	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 5	< 5	< 11	< 11	< 5	< 11	< 5	< 5	< 10	< 5
4-Chloroaniline	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 10	< 10	< 11	< 11	< 10	< 11	< 10	< 10	< 10	< 10
4-Chlorophenyl phenylether	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 5	< 5	< 5.4	< 5.3	< 5	< 5.6	< 5	< 5	< 5.1	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/22/2010 9:47 AM	8/22/2010 10:00 AM	8/22/2010 10:08 AM	8/22/2010 10:10 AM	8/22/2010 10:38 AM	8/22/2010 11:20 AM	8/23/2010 9:20 AM	8/23/2010 9:37 AM	8/23/2010 9:55 AM	8/23/2010 2:10 PM	8/23/2010 2:20 PM	8/23/2010 2:40 PM	8/23/2010 2:43 PM	8/23/2010 3:12 PM	8/23/2010 3:40 PM	8/24/2010 10:45 AM
	Sample	WSE082209 47RCM1	WSE082210 00JRP1	WSE082210 08RCM1	WSE082210 10JRP1	WSE082210 38RCM1	WSE082211 20JRP1	WSE082309 20RCM1	WSE082309 37RCM1	WSE082309 55JRP1	WSE082314 10JRP1	WSE082314 20RCM1	WSE082314 40JRP1	WSE082314 43RCM1	WSE082315 12RCM1	WSE082315 40JRP1	WSE082410 45JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 25	< 25	< 11	< 11	< 25	< 11	< 25	< 25	< 10	< 25
4-Nitrophenol	ug/l	< 24	< 22	< 24	< 21	< 25	< 22	< 25	< 25	< 22	< 21	< 25	< 22	< 25	< 25	< 20	< 25
Acenaphthene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Acenaphthylene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Anthracene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Benzo(a)anthracene	ug/l	< 0.24	< 0.22	< 0.24	< 0.21	< 0.25	< 0.22	< 1	< 1	< 0.22	< 0.21	< 1	< 0.22	< 1	< 1	< 0.2	< 1
Benzo(a)pyrene	ug/l	< 0.24	< 0.22	< 0.24	< 0.21	< 0.25	< 0.22	< 1	< 1	< 0.22	< 0.21	< 1	< 0.22	< 1	< 1	< 0.2	< 1
Benzo(b)fluoranthene	ug/l	< 0.24	< 0.22	< 0.24	< 0.21	< 0.25	< 0.22	< 1	< 1	< 0.22	< 0.21	< 1	< 0.22	< 1	< 1	< 0.2	< 1
Benzo(g,h,i)perylene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1	< 1	< 1	< 1
Benzo(k)fluoranthene	ug/l	< 0.24	< 0.22	< 0.24	< 0.21	< 0.25	< 0.22	< 1	< 1	< 0.22	< 0.21	< 1	< 0.22	< 1	< 1	< 0.2	< 1
Bis(2-chloroethoxy) methane	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
Bis(2-chloroethyl)ether	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 1	< 1	< 2.2	< 2.1	< 1	< 2.2	< 1	< 1	< 2	< 1
Bis(2-chloroisopropyl) ether	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 5	< 5	< 11	< 11	< 5	< 11	< 5	< 5	< 10	< 5
Butyl benzyl phthalate	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
Carbazole	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 10	< 10	< 5.4	< 5.3	< 10	< 5.6	< 10	< 10	< 5.1	< 10
Chrysene	ug/l	< 0.59	< 0.54	< 0.59	< 0.52	< 0.62	< 0.56	< 1	< 1	< 0.54	< 0.53	< 1	< 0.56	< 1	< 1	< 0.51	< 1
Dibenzo(a,h)anthracene	ug/l	< 0.35	< 0.33	< 0.35	< 0.31	< 0.38	< 0.34	< 2	< 2	< 0.33	< 0.32	< 2	< 0.34	< 2	< 2	< 0.3	< 2
Dibenzofuran	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 4	< 4	< 2.2	< 2.1	< 4	< 2.2	< 4	< 4	< 2	< 4
Diethyl phthalate	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
Dimethyl phthalate	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
Di-n-butyl phthalate	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 5	< 5	< 5.4	< 5.3	< 5	< 5.6	< 5	< 5	< 5.1	< 5
Di-n-octyl phthalate	ug/l	< 12	< 11	< 12	< 10	< 12	< 11	< 5	< 5	< 11	< 11	< 5	< 11	< 5	< 5	< 10	< 5
Fluoranthene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 1	< 1	< 1.1	< 1.1	< 1	< 1.1	< 1	< 1	< 1	< 1
Fluorene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Hexachlorobenzene (C-66)	ug/l	< 0.59	< 0.54	< 0.59	< 0.52	< 0.62	< 0.56	< 0.2	< 0.2	< 0.54	< 0.53	< 0.2	< 0.56	< 0.2	< 0.2	< 0.51	< 0.2
Hexachlorobutadiene (C-46)	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 1	< 1	< 5.4	< 5.3	< 1	< 5.6	< 1	< 1	< 5.1	< 1
Hexachlorocyclopentadiene (C-56)	ug/l	< 24	< 22	< 24	< 21	< 25	< 22	< 5	< 5	< 22	< 21	< 5	< 22	< 5	< 5	< 20	< 5
Hexachloroethane	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 5	< 5	< 5.4	< 5.3	< 5	< 5.6	< 5	< 5	< 5.1	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 0.24	< 0.22	< 0.24	< 0.21	< 0.25	< 0.22	< 2	< 2	< 0.22	< 0.21	< 2	< 0.22	< 2	< 2	< 0.2	< 2
Isophorone	ug/l	< 2.4	< 2.2	< 2.4	< 2.1	< 2.5	< 2.2	< 5	< 5	< 2.2	< 2.1	< 5	< 2.2	< 5	< 5	< 2	< 5
Naphthalene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Nitrobenzene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 3	< 3	< 1.1	< 1.1	< 3	< 1.1	< 3	< 3	< 1	< 3
n-Nitroso-di-n-propylamine	ug/l	< 0.59	< 0.54	< 0.59	< 0.52	< 0.62	< 0.56	< 5	< 5	< 0.54	< 0.53	< 5	< 0.56	< 5	< 5	< 0.51	< 5
N-Nitrosodiphenylamine	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Pentachlorophenol	ug/l	< 24	< 22	< 24	< 21	< 25	< 22	< 5	< 5	< 22	< 21	< 5	< 22	< 5	< 5	< 20	< 5
Phenanthrene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 2	< 2	< 1.1	< 1.1	< 2	< 1.1	< 2	< 2	< 1	< 2
Phenol	ug/l	< 5.9	< 5.4	< 5.9	< 5.2	< 6.2	< 5.6	< 5	< 5	< 5.4	< 5.3	< 5	< 5.6	< 5	< 5	< 5.1	< 5
Pyrene	ug/l	< 1.2	< 1.1	< 1.2	< 1	< 1.2	< 1.1	< 5	< 5	< 1.1	< 1.1	< 5	< 1.1	< 5	< 5	< 1	< 5
Solids																	
Total Suspended Solids	mg/l	7	5.5	5.5	8.5	6	6.5	19	9	5.5	6.5	7	9.5	8	10	7	5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 290	< 260	< 260	< 270	< 290	< 280	< 100	< 100	< 260	< 260	< 100	< 280	< 100	< 100	< 270	< 100

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/22/2010 9:47 AM	8/22/2010 10:00 AM	8/22/2010 10:08 AM	8/22/2010 10:10 AM	8/22/2010 10:38 AM	8/22/2010 11:20 AM	8/23/2010 9:20 AM	8/23/2010 9:37 AM	8/23/2010 9:55 AM	8/23/2010 2:10 PM	8/23/2010 2:20 PM	8/23/2010 2:40 PM	8/23/2010 2:43 PM	8/23/2010 3:12 PM	8/23/2010 3:40 PM	8/24/2010 10:45 AM
	Sample	WSE082209 47RCM1	WSE082210 00JRP1	WSE082210 08RCM1	WSE082210 10JRP1	WSE082210 38RCM1	WSE082211 20JRP1	WSE082309 20RCM1	WSE082309 37RCM1	WSE082309 55JRP1	WSE082314 10JRP1	WSE082314 20RCM1	WSE082314 40JRP1	WSE082314 43RCM1	WSE082315 12RCM1	WSE082315 40JRP1	WSE082410 45JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 580	< 520	< 530	< 540	< 590	< 560	< 500	< 500	< 520	< 520	< 500	< 560	< 500	< 500	< 540	< 500
Specific Identification of Gasoline	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 100	< 50	< 50	< 100	< 50	< 100	< 100	< 50	< 100
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 1	< 5	< 5	< 1	< 5
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.5
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 1	< 10	< 1	< 1	< 10	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 25	< 25	< 5	< 5	< 25	< 5	< 25	< 25	< 5	< 25
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 50	< 5	< 50	< 50	< 5	< 50
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 1	< 5	< 5	< 1	< 5
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 50	< 5	< 50	< 50	< 5	< 50
Acetone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	1.5	< 25	< 5	< 5	< 25	< 5	< 25	3.7	< 5	< 25
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/22/2010 9:47 AM	8/22/2010 10:00 AM	8/22/2010 10:08 AM	8/22/2010 10:10 AM	8/22/2010 10:38 AM	8/22/2010 11:20 AM	8/23/2010 9:20 AM	8/23/2010 9:37 AM	8/23/2010 9:55 AM	8/23/2010 2:10 PM	8/23/2010 2:20 PM	8/23/2010 2:40 PM	8/23/2010 2:43 PM	8/23/2010 3:12 PM	8/23/2010 3:40 PM	8/24/2010 10:45 AM
	Sample	WSE082209 47RCM1	WSE082210 00JRP1	WSE082210 08RCM1	WSE082210 10JRP1	WSE082210 38RCM1	WSE082211 20JRP1	WSE082309 20RCM1	WSE082309 37RCM1	WSE082309 55JRP1	WSE082314 10JRP1	WSE082314 20RCM1	WSE082314 40JRP1	WSE082314 43RCM1	WSE082315 12RCM1	WSE082315 40JRP1	WSE082410 45JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 2	< 2	< 1	< 2	< 1	< 1	< 2	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 1	< 5	< 5	< 1	< 5
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 1	< 1	< 2	< 1	< 2	< 2	< 1	< 2
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 1	< 5	< 5	< 1	< 5
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.5	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 1	< 1	< 2.5	< 2.5	< 1	< 2.5	< 1	< 1	< 2.5	< 1
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 2	< 2	< 5	< 2	< 5	< 5	< 2	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 1	< 5	< 5	< 1	< 5
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 5	< 1	< 5	< 5	< 1	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.75	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 50	< 50	< 5	< 5	< 50	< 5	< 50	< 50	< 50	< 50
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.5	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	290	300	300	300	290	290	232	223	300	310	223	300	230	227	300	313

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/24/2010 10:48 AM	8/24/2010 11:27 AM	8/24/2010 2:15 PM	8/24/2010 3:27 PM	8/24/2010 3:45 PM	8/24/2010 4:00 PM	8/24/2010 4:32 PM	8/25/2010 10:05 AM	8/25/2010 10:45 AM	8/25/2010 11:20 AM	8/25/2010 12:08 PM	8/25/2010 3:00 PM	8/25/2010 3:30 PM	8/25/2010 3:46 PM	8/25/2010 4:15 PM	8/25/2010 4:18 PM
	Sample	WSE082410 48RCM1	WSE082411 27RCM1	WSE082414 15JRP1	WSE082415 27RCM1	WSE082415 45RCM1	WSE082416 00JRP1	WSE082416 32RCM1	WSE082510 05RCM1	WSE082510 45JRP1	WSE082511 20RCM1	WSE082512 08RCM1	WSE082515 00RCM1	WSE082515 30JRP1	WSE082515 46RCM1	WSE082516 15JRP1	WSE082516 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	6	6	5	6	6	5	6	5	4	6	6	5	4	5	5	5
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.5	1.6	1.6	1.8	1.6	1.5	1.7	1.6
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	< 100	< 100	61.2	< 100	< 100	62.5	< 100	63	62	59	62	63	59	61	61	63
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	82100	81200	84800	83400	81900	84200	84200	84000	86000	80000	82000	88000	83000	83000	84000	86000
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 10	< 10	0.73	< 10	< 10	0.78	< 10	< 5	< 5	< 5	< 5	0.67	< 5	< 5	0.9	< 5
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.14	0.13	0.14	0.12	0.13	0.17	0.11	0.11	< 1	0.11	0.1	0.14	< 1	0.1	0.19	0.11
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.81	0.7	4	0.77	0.75	0.94	0.65	0.81	0.98	0.9	0.73	1.1	0.87	1.2	1.3	1
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	107	59	188	48.8	< 200	330	< 200	270	210	190	190	370	320	230	560	200
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.47	0.4	0.5	0.36	0.22	0.66	0.2	0.48	0.28	0.42	0.39	0.66	0.51	0.42	0.92	0.35
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	24400	24700	25600	25000	24600	25200	25500	25000	25000	25000	25000	26000	25000	25000	24000	26000
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	56.2	47.2	66	55.5	41.7	90.5	41.3	76	50	49	50	79	78	66	88	64
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	1	1	1.2	1.1	1.2	1.1	1	0.98	0.95	1	0.95	0.98	0.87	0.97	0.96	0.96
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.79	0.84	1.3	0.76	0.65	0.77	0.71	0.68	0.6	0.73	0.7	0.76	0.68	0.77	0.8	0.66
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/24/2010 10:48 AM	8/24/2010 11:27 AM	8/24/2010 2:15 PM	8/24/2010 3:27 PM	8/24/2010 3:45 PM	8/24/2010 4:00 PM	8/24/2010 4:32 PM	8/25/2010 10:05 AM	8/25/2010 10:45 AM	8/25/2010 11:20 AM	8/25/2010 12:08 PM	8/25/2010 3:00 PM	8/25/2010 3:30 PM	8/25/2010 3:46 PM	8/25/2010 4:15 PM	8/25/2010 4:18 PM
	Sample	WSE082410 48RCM1	WSE082411 27RCM1	WSE082414 15JRP1	WSE082415 27RCM1	WSE082415 45RCM1	WSE082416 00JRP1	WSE082416 32RCM1	WSE082510 05RCM1	WSE082510 45JRP1	WSE082511 20RCM1	WSE082512 08RCM1	WSE082515 00RCM1	WSE082515 30JRP1	WSE082515 46RCM1	WSE082516 15JRP1	WSE082516 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	0.56	< 5	0.6	0.53	0.58	0.52	0.54	0.74	0.54
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	2.6	4.7	3.1	< 50	< 50	3.9	2.5	< 20	< 20	< 20	< 20	6.2	< 20	6.3	8.9	< 20
PCB																	
Aroclor 1016	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Aroclor 1221	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Aroclor 1232	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Aroclor 1242	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Aroclor 1248	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Aroclor 1254	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Aroclor 1260	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---	---	---	< 0.14	< 0.14	< 0.14	< 0.15	< 0.15	< 0.14	< 0.15	< 0.14	< 0.14
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
2,4,6-Trichlorophenol	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 24	< 22	< 25	< 24	< 24	< 22	< 24	< 22	< 24
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.59	< 0.54	< 0.62	< 0.59	< 0.59	< 0.54	< 0.6	< 0.54	< 0.59
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
2-Chlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 24	< 22	< 25	< 24	< 24	< 22	< 24	< 22	< 24
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.59	< 0.54	< 0.62	< 0.59	< 0.59	< 0.54	< 0.6	< 0.54	< 0.59
2-Methylphenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
2-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
3- And 4- Methylphenol (Total)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
3,3'-Dichlorobenzidine	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
3-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
4-Chloroaniline	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/24/2010 10:48 AM	8/24/2010 11:27 AM	8/24/2010 2:15 PM	8/24/2010 3:27 PM	8/24/2010 3:45 PM	8/24/2010 4:00 PM	8/24/2010 4:32 PM	8/25/2010 10:05 AM	8/25/2010 10:45 AM	8/25/2010 11:20 AM	8/25/2010 12:08 PM	8/25/2010 3:00 PM	8/25/2010 3:30 PM	8/25/2010 3:46 PM	8/25/2010 4:15 PM	8/25/2010 4:18 PM
	Sample	WSE082410 48RCM1	WSE082411 27RCM1	WSE082414 15JRP1	WSE082415 27RCM1	WSE082415 45RCM1	WSE082416 00JRP1	WSE082416 32RCM1	WSE082510 05RCM1	WSE082510 45JRP1	WSE082511 20RCM1	WSE082512 08RCM1	WSE082515 00RCM1	WSE082515 30JRP1	WSE082515 46RCM1	WSE082516 15JRP1	WSE082516 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 24	< 22	< 25	< 24	< 24	< 22	< 24	< 22	< 24
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.24	< 0.22	< 0.25	< 0.24	< 0.24	< 0.22	< 0.24	< 0.22	< 0.24
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.24	< 0.22	< 0.25	< 0.24	< 0.24	< 0.22	< 0.24	< 0.22	< 0.24
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.24	< 0.22	< 0.25	< 0.24	< 0.24	< 0.22	< 0.24	< 0.22	< 0.24
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.24	< 0.22	< 0.25	< 0.24	< 0.24	< 0.22	< 0.24	< 0.22	< 0.24
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Bis(2-chloroethyl)ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.59	< 0.54	< 0.62	< 0.59	< 0.59	< 0.54	< 0.6	< 0.54	< 0.59
Dibenzo(a,h)anthracene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.35	< 0.33	< 0.38	< 0.35	< 0.35	< 0.33	< 0.36	< 0.33	< 0.35
Dibenzofuran	ug/l	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Diethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Dimethyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 11	< 12	< 12	< 12	< 11	< 12	< 11	< 12
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Hexachlorobenzene (C-66)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.59	< 0.54	< 0.62	< 0.59	< 0.59	< 0.54	< 0.6	< 0.54	< 0.59
Hexachlorobutadiene (C-46)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
Hexachlorocyclopentadiene (C-56)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 24	< 22	< 25	< 24	< 24	< 22	< 24	< 22	< 24
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
Indeno(1,2,3-c,d)pyrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 0.24	< 0.22	< 0.25	< 0.24	< 0.24	< 0.22	< 0.24	< 0.22	< 0.24
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.4	< 2.2	< 2.5	< 2.4	< 2.4	< 2.2	< 2.4	< 2.2	< 2.4
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Nitrobenzene	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 0.59	< 0.54	< 0.62	< 0.59	< 0.59	< 0.54	< 0.6	< 0.54	< 0.59
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Pentachlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 24	< 22	< 25	< 24	< 24	< 22	< 24	< 22	< 24
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5.9	< 5.4	< 6.2	< 5.9	< 5.9	< 5.4	< 6	< 5.4	< 5.9
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2
Solids																	
Total Suspended Solids	mg/l	9	6	4	2	9	< 4	6	9.5	2.5	15	13	10	6.5	6.5	12	6.5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	15	< 300	< 280	< 280	< 290	< 310	< 280	< 290	< 280	< 310

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	8/24/2010 10:48 AM	8/24/2010 11:27 AM	8/24/2010 2:15 PM	8/24/2010 3:27 PM	8/24/2010 3:45 PM	8/24/2010 4:00 PM	8/24/2010 4:32 PM	8/25/2010 10:05 AM	8/25/2010 10:45 AM	8/25/2010 11:20 AM	8/25/2010 12:08 PM	8/25/2010 3:00 PM	8/25/2010 3:30 PM	8/25/2010 3:46 PM	8/25/2010 4:15 PM	8/25/2010 4:18 PM
	Sample	WSE082410 48RCM1	WSE082411 27RCM1	WSE082414 15JRP1	WSE082415 27RCM1	WSE082415 45RCM1	WSE082416 00JRP1	WSE082416 32RCM1	WSE082510 05RCM1	WSE082510 45JRP1	WSE082511 20RCM1	WSE082512 08RCM1	WSE082515 00RCM1	WSE082515 30JRP1	WSE082515 46RCM1	WSE082516 15JRP1	WSE082516 18RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 500	< 500	< 500	< 500	51	< 500	51	< 610	< 560	< 560	< 580	< 620	< 560	< 590	< 560	< 620
Specific Identification of Gasoline	ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	0.53	< 1	< 1	0.63	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	0.53	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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	Date Collected	8/24/2010 10:48 AM	8/24/2010 11:27 AM	8/24/2010 2:15 PM	8/24/2010 3:27 PM	8/24/2010 3:45 PM	8/24/2010 4:00 PM	8/24/2010 4:32 PM	8/25/2010 10:05 AM	8/25/2010 10:45 AM	8/25/2010 11:20 AM	8/25/2010 12:08 PM	8/25/2010 3:00 PM	8/25/2010 3:30 PM	8/25/2010 3:46 PM	8/25/2010 4:15 PM	8/25/2010 4:18 PM
	Sample	WSE08241048RCM1	WSE08241127RCM1	WSE08241415JRP1	WSE08241527RCM1	WSE08241545RCM1	WSE08241600JRP1	WSE08241632RCM1	WSE08251005RCM1	WSE08251045JRP1	WSE08251120RCM1	WSE08251208RCM1	WSE08251500RCM1	WSE08251530JRP1	WSE08251546RCM1	WSE08251615JRP1	WSE08251618RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	0.33	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	0.42	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	0.19	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	0.33	< 1	< 1	0.88	< 1	< 1	< 1	0.25	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	0.61	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	305	304	317	311	306	314	315	310	320	300	310	330	310	310	310	320

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/26/2010 9:40 AM	8/26/2010 9:48 AM	8/26/2010 10:51 AM	8/26/2010 10:55 AM	8/26/2010 11:30 AM	8/26/2010 3:15 PM	8/26/2010 3:25 PM	8/26/2010 3:36 PM	8/27/2010 10:15 AM	8/27/2010 10:30 AM	8/27/2010 10:38 AM	8/27/2010 11:00 AM	8/27/2010 11:30 AM	8/27/2010 2:45 PM	8/27/2010 2:52 PM	8/27/2010 3:25 PM
	Sample	WSE082609 40JRP1	WSE082609 48RCM1	WSE082610 51RCM1	WSE082610 55JRP1	WSE082611 30RCM1	WSE082615 15JRP1	WSE082615 25JRP1	WSE082615 36RCM1	WSE082710 15RCM1	WSE082710 30JRP3	WSE082710 38RCM1	WSE082711 00PML1	WSE082711 30PML1	WSE082714 45PML1	WSE082714 52RCM1	WSE082715 25RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4.3	5	5	4.6	5	4.4	4.3	5	4.3	3.6	4.8	4.4	4.2	4.3	4.6	4.5
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 3	0.21	< 2	< 3	< 2	< 3	< 3	< 2	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.4	1.8	1.6	1.7	1.6	1.5	1.5	1.7	1.6	1.4	1.7	1.6	1.4	1.5	1.7	1.5
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	62	64	59	120	63	60	60	59	64	61	61	61	61	60	61	61
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 0.5	< 1	< 1	< 0.5	< 1	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	83000	85600	79200	84000	83600	82000	84000	74800	80000	79000	75000	81000	81000	81000	78000	80000
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 5	0.97	< 10	< 5	< 10	< 5	< 5	< 10	0.81	< 5	< 5	0.5	< 5	< 5	0.83	< 5
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.15	0.17	0.13	0.13	0.12	0.12	0.12	0.1	0.19	0.12	0.16	0.13	< 1	0.11	0.18	0.12
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	0.88	0.96	0.62	1.1	0.57	0.92	0.98	0.71	1.3	< 2	1	1.2	0.67	0.79	1.2	1
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	220	284	55.6	270	44.8	290	290	< 200	410	270	200	330	200	230	410	230
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	0.32	0.73	0.34	0.38	0.36	0.43	0.41	0.29	0.82	0.47	0.48	0.59	0.32	0.34	0.8	0.44
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	24000	25200	24000	25000	25000	24000	25000	24400	23000	24000	23000	24000	24000	24000	23000	24000
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	49	73.5	47.5	110	51	56	55	45.8	97	55	63	69	53	53	76	69
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	< 4	1.2	1.1	< 4	1.1	< 4	< 4	1.1	0.58	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.61	0.73	0.64	0.62	0.69	0.62	0.66	0.64	0.88	0.65	0.72	0.69	0.57	0.67	0.84	0.68
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 2.5	< 5	< 5	< 2.5	< 5	< 2.5	< 2.5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.5	< 0.2	< 0.2	< 0.5	< 0.2	< 0.5	< 0.5	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/26/2010 9:40 AM	8/26/2010 9:48 AM	8/26/2010 10:51 AM	8/26/2010 10:55 AM	8/26/2010 11:30 AM	8/26/2010 3:15 PM	8/26/2010 3:25 PM	8/26/2010 3:36 PM	8/27/2010 10:15 AM	8/27/2010 10:30 AM	8/27/2010 10:38 AM	8/27/2010 11:00 AM	8/27/2010 11:30 AM	8/27/2010 2:45 PM	8/27/2010 2:52 PM	8/27/2010 3:25 PM
	Sample	WSE082609 40JRP1	WSE082609 48RCM1	WSE082610 51RCM1	WSE082610 55JRP1	WSE082611 30RCM1	WSE082615 15JRP1	WSE082615 25JRP1	WSE082615 36RCM1	WSE082710 15RCM1	WSE082710 30JRP3	WSE082710 38RCM1	WSE082711 00PML1	WSE082711 30PML1	WSE082714 45PML1	WSE082714 52RCM1	WSE082715 25RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 5	0.54	< 10	< 5	< 10	< 5	< 5	< 10	0.63	< 5	0.59	0.53	< 5	< 5	0.62	0.55
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 20	7	< 50	< 20	3.2	< 20	< 20	< 50	5.4	< 20	< 20	< 20	< 20	< 20	5.6	< 20
PCB																	
Aroclor 1016	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Aroclor 1221	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Aroclor 1232	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Aroclor 1242	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Aroclor 1248	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Aroclor 1254	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Aroclor 1260	ug/l	< 0.13	< 0.2	< 0.2	< 0.14	< 0.2	< 0.14	< 0.14	< 0.2	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
Polychlorinated biphenyls (PCBs), total	ug/l	< 0.13	---	---	< 0.14	---	< 0.14	< 0.14	---	< 0.15	< 0.14	< 0.15	< 0.13	< 0.12	< 0.15	< 0.14	< 0.15
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
1,2-Dichlorobenzene	ug/l	< 2.1	< 1	< 1.2	< 2.2	< 1	< 2.2	< 2.2	< 1.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
1,3-Dichlorobenzene	ug/l	< 2.1	< 1	< 1.2	< 2.2	< 1	< 2.2	< 2.2	< 1.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
1,4-Dichlorobenzene	ug/l	< 2.1	< 1	< 1.2	< 2.2	< 1	< 2.2	< 2.2	< 1.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
2,4,5-Trichlorophenol	ug/l	< 11	< 5	< 6.2	< 11	< 5	< 11	< 11	< 6.2	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
2,4,6-Trichlorophenol	ug/l	< 5.3	< 4	< 4.9	< 5.6	< 4	< 5.5	< 5.4	< 5	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
2,4-Dichlorophenol	ug/l	< 11	< 10	< 12	< 11	< 10	< 11	< 11	< 12	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
2,4-Dimethylphenol	ug/l	< 11	< 5	< 6.2	< 11	< 5	< 11	< 11	< 6.2	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
2,4-Dinitrophenol	ug/l	< 21	< 25	< 31	< 22	< 25	< 22	< 22	< 31	< 25	< 22	< 25	< 24	< 22	< 24	< 25	< 25
2,4-Dinitrotoluene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
2,6-Dinitrotoluene	ug/l	< 0.53	< 5	< 6.2	< 0.56	< 5	< 0.55	< 0.54	< 6.2	< 0.62	< 0.54	< 0.62	< 0.59	< 0.56	< 0.59	< 0.62	< 0.62
2-Chloronaphthalene	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
2-Chlorophenol	ug/l	< 5.3	< 10	< 12	< 5.6	< 10	< 5.5	< 5.4	< 12	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
2-Methyl-4,6-dinitrophenol	ug/l	< 21	< 20	< 25	< 22	< 20	< 22	< 22	< 25	< 25	< 22	< 25	< 24	< 22	< 24	< 25	< 25
2-Methylnaphthalene	ug/l	< 0.53	< 5	< 6.2	< 0.56	< 5	< 0.55	< 0.54	< 6.2	< 0.62	0.18	< 0.62	< 0.59	< 0.56	< 0.59	< 0.62	< 0.62
2-Methylphenol	ug/l	< 2.1	< 10	< 12	< 2.2	< 10	< 2.2	< 2.2	< 12	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
2-Nitroaniline	ug/l	< 5.3	< 25	< 31	< 5.6	< 25	< 5.5	< 5.4	< 31	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
2-Nitrophenol	ug/l	< 11	< 5	< 6.2	< 11	< 5	< 11	< 11	< 6.2	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
3- And 4- Methylphenol (Total)	ug/l	< 2.1	< 2	< 2.5	< 2.2	< 2	< 2.2	< 2.2	< 2.5	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
3,3'-Dichlorobenzidine	ug/l	< 5.3	< 4	< 4.9	< 5.6	< 4	< 5.5	< 5.4	< 5	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
3-Nitroaniline	ug/l	< 11	< 25	< 31	< 11	< 25	< 11	< 11	< 31	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
4-Bromophenyl phenylether	ug/l	< 5.3	< 5	< 6.2	< 5.6	< 5	< 5.5	< 5.4	< 6.2	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
4-Chloro-3-methylphenol	ug/l	< 11	< 5	< 6.2	< 11	< 5	< 11	< 11	< 6.2	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
4-Chloroaniline	ug/l	< 11	< 10	< 12	< 11	< 10	< 11	< 11	< 12	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
4-Chlorophenyl phenylether	ug/l	< 5.3	< 5	< 6.2	< 5.6	< 5	< 5.5	< 5.4	< 6.2	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Enbridge Energy, Limited Partnership

	Date Collected	8/26/2010 9:40 AM	8/26/2010 9:48 AM	8/26/2010 10:51 AM	8/26/2010 10:55 AM	8/26/2010 11:30 AM	8/26/2010 3:15 PM	8/26/2010 3:25 PM	8/26/2010 3:36 PM	8/27/2010 10:15 AM	8/27/2010 10:30 AM	8/27/2010 10:38 AM	8/27/2010 11:00 AM	8/27/2010 11:30 AM	8/27/2010 2:45 PM	8/27/2010 2:52 PM	8/27/2010 3:25 PM
	Sample	WSE082609 40JRP1	WSE082609 48RCM1	WSE082610 51RCM1	WSE082610 55JRP1	WSE082611 30RCM1	WSE082615 15JRP1	WSE082615 25JRP1	WSE082615 36RCM1	WSE082710 15RCM1	WSE082710 30JRP3	WSE082710 38RCM1	WSE082711 00PML1	WSE082711 30PML1	WSE082714 45PML1	WSE082714 52RCM1	WSE082715 25RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 11	< 25	< 31	< 11	< 25	< 11	< 11	< 31	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
4-Nitrophenol	ug/l	< 21	< 25	< 31	< 22	< 25	< 22	< 22	< 31	< 25	< 22	< 25	< 24	< 22	< 24	< 25	< 25
Acenaphthene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Acenaphthylene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Anthracene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Benzo(a)anthracene	ug/l	< 0.21	< 1	< 1.2	< 0.22	< 1	< 0.22	< 0.22	< 1.2	< 0.25	< 0.22	< 0.25	< 0.24	< 0.22	< 0.24	< 0.25	< 0.25
Benzo(a)pyrene	ug/l	< 0.21	< 1	< 1.2	< 0.22	< 1	< 0.22	< 0.22	< 1.2	< 0.25	< 0.22	< 0.25	< 0.24	< 0.22	< 0.24	< 0.25	< 0.25
Benzo(b)fluoranthene	ug/l	< 0.21	< 1	< 1.2	< 0.22	< 1	< 0.22	< 0.22	< 1.2	< 0.25	< 0.22	< 0.25	< 0.24	< 0.22	< 0.24	< 0.25	< 0.25
Benzo(g,h,i)perylene	ug/l	< 1.1	< 1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Benzo(k)fluoranthene	ug/l	< 0.21	< 1	< 1.2	< 0.22	< 1	< 0.22	< 0.22	< 1.2	< 0.25	< 0.22	< 0.25	< 0.24	< 0.22	< 0.24	< 0.25	< 0.25
Bis(2-chloroethoxy) methane	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Bis(2-chloroethyl)ether	ug/l	< 2.1	< 1	< 1.2	< 2.2	< 1	< 2.2	< 2.2	< 1.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Bis(2-chloroisopropyl) ether	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Bis(2-ethylhexyl)phthalate	ug/l	< 11	< 5	< 6.2	< 11	< 5	< 11	< 11	< 6.2	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
Butyl benzyl phthalate	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Carbazole	ug/l	< 5.3	< 10	< 12	< 5.6	< 10	< 5.5	< 5.4	< 12	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
Chrysene	ug/l	< 0.53	< 1	< 1.2	< 0.56	< 1	< 0.55	< 0.54	< 1.2	< 0.62	< 0.54	< 0.62	< 0.59	< 0.56	< 0.59	< 0.62	< 0.62
Dibenzo(a,h)anthracene	ug/l	< 0.32	< 2	< 2.5	< 0.34	< 2	< 0.33	< 0.33	< 2.5	< 0.38	< 0.33	< 0.38	< 0.35	< 0.34	< 0.35	< 0.38	< 0.37
Dibenzofuran	ug/l	< 2.1	< 4	< 4.9	< 2.2	< 4	< 2.2	< 2.2	< 5	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Diethyl phthalate	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Dimethyl phthalate	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Di-n-butyl phthalate	ug/l	< 5.3	< 5	< 6.2	< 5.6	< 5	< 5.5	< 5.4	< 6.2	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
Di-n-octyl phthalate	ug/l	< 11	< 5	< 6.2	< 11	< 5	< 11	< 11	< 6.2	< 12	< 11	< 12	< 12	< 11	< 12	< 12	< 12
Fluoranthene	ug/l	< 1.1	< 1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Fluorene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Hexachlorobenzene (C-66)	ug/l	< 0.53	< 0.2	< 0.25	< 0.56	< 0.2	< 0.55	< 0.54	< 0.25	< 0.62	< 0.54	< 0.62	< 0.59	< 0.56	< 0.59	< 0.62	< 0.62
Hexachlorobutadiene (C-46)	ug/l	< 5.3	< 1	< 1.2	< 5.6	< 1	< 5.5	< 5.4	< 1.2	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
Hexachlorocyclopentadiene (C-56)	ug/l	< 21	< 5	< 6.2	< 22	< 5	< 22	< 22	< 6.2	< 25	< 22	< 25	< 24	< 22	< 24	< 25	< 25
Hexachloroethane	ug/l	< 5.3	< 5	< 6.2	< 5.6	< 5	< 5.5	< 5.4	< 6.2	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
Indeno(1,2,3-c,d)pyrene	ug/l	< 0.21	< 2	< 2.5	< 0.22	< 2	< 0.22	< 0.22	< 2.5	< 0.25	< 0.22	< 0.25	< 0.24	< 0.22	< 0.24	< 0.25	< 0.25
Isophorone	ug/l	< 2.1	< 5	< 6.2	< 2.2	< 5	< 2.2	< 2.2	< 6.2	< 2.5	< 2.2	< 2.5	< 2.4	< 2.2	< 2.4	< 2.5	< 2.5
Naphthalene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	0.23	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Nitrobenzene	ug/l	< 1.1	< 3	< 3.7	< 1.1	< 3	< 1.1	< 1.1	< 3.8	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
n-Nitroso-di-n-propylamine	ug/l	< 0.53	< 5	< 6.2	< 0.56	< 5	< 0.55	< 0.54	< 6.2	< 0.62	< 0.54	< 0.62	< 0.59	< 0.56	< 0.59	< 0.62	< 0.62
N-Nitrosodiphenylamine	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Pentachlorophenol	ug/l	< 21	< 5	< 6.2	< 22	< 5	< 22	< 22	< 6.2	< 25	< 22	< 25	< 24	< 22	< 24	< 25	< 25
Phenanthrene	ug/l	< 1.1	< 2	< 2.5	< 1.1	< 2	< 1.1	< 1.1	< 2.5	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Phenol	ug/l	< 5.3	< 5	< 6.2	< 5.6	< 5	< 5.5	< 5.4	< 6.2	< 6.2	< 5.4	< 6.2	< 5.9	< 5.6	< 5.9	< 6.2	< 6.2
Pyrene	ug/l	< 1.1	< 5	< 6.2	< 1.1	< 5	< 1.1	< 1.1	< 6.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2	< 1.2
Solids																	
Total Suspended Solids	mg/l	5	14	7	7	6	2	5	7	19	3	15	6	1.5	3.5	16	9.5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 270	< 100	< 100	< 280	< 100	< 280	< 270	< 100	< 270	< 270	< 310	< 250	< 270	< 270	< 270	< 330

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/26/2010 9:40 AM	8/26/2010 9:48 AM	8/26/2010 10:51 AM	8/26/2010 10:55 AM	8/26/2010 11:30 AM	8/26/2010 3:15 PM	8/26/2010 3:25 PM	8/26/2010 3:36 PM	8/27/2010 10:15 AM	8/27/2010 10:30 AM	8/27/2010 10:38 AM	8/27/2010 11:00 AM	8/27/2010 11:30 AM	8/27/2010 2:45 PM	8/27/2010 2:52 PM	8/27/2010 3:25 PM
	Sample	WSE082609 40JRP1	WSE082609 48RCM1	WSE082610 51RCM1	WSE082610 55JRP1	WSE082611 30RCM1	WSE082615 15JRP1	WSE082615 25JRP1	WSE082615 36RCM1	WSE082710 15RCM1	WSE082710 30JRP3	WSE082710 38RCM1	WSE082711 00PML1	WSE082711 30PML1	WSE082714 45PML1	WSE082714 52RCM1	WSE082715 25RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 540	< 500	< 500	< 560	< 500	< 560	< 540	< 500	< 540	< 540	< 620	< 500	< 550	< 550	< 550	< 660
Specific Identification of Gasoline	ug/l	< 50	< 100	< 100	< 50	< 100	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 5	< 5	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	0.52	< 1	< 1	0.51	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 10	< 1	< 1	< 10	< 1	< 10	< 10	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 5	< 25	< 25	< 5	< 25	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 50	< 50	< 5	< 50	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 1	< 5	< 5	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 50	< 50	< 5	< 50	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 5	< 25	< 25	< 5	< 25	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	0.38	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/26/2010 9:40 AM	8/26/2010 9:48 AM	8/26/2010 10:51 AM	8/26/2010 10:55 AM	8/26/2010 11:30 AM	8/26/2010 3:15 PM	8/26/2010 3:25 PM	8/26/2010 3:36 PM	8/27/2010 10:15 AM	8/27/2010 10:30 AM	8/27/2010 10:38 AM	8/27/2010 11:00 AM	8/27/2010 11:30 AM	8/27/2010 2:45 PM	8/27/2010 2:52 PM	8/27/2010 3:25 PM
	Sample	WSE082609 40JRP1	WSE082609 48RCM1	WSE082610 51RCM1	WSE082610 55JRP1	WSE082611 30RCM1	WSE082615 15JRP1	WSE082615 25JRP1	WSE082615 36RCM1	WSE082710 15RCM1	WSE082710 30JRP3	WSE082710 38RCM1	WSE082711 00PML1	WSE082711 30PML1	WSE082714 45PML1	WSE082714 52RCM1	WSE082715 25RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 2	< 1	< 1	< 2	< 1	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	ug/l	< 1	< 5	< 5	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 2	< 2	< 1	< 2	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 1	0.49	< 5	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.36	< 2	0.34	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2.5	< 1	< 1	< 2.5	< 1	< 2.5	< 2.5	< 1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methylene chloride	ug/l	< 2	< 5	< 5	< 2	< 5	< 2	< 2	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 5	< 5	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 5	< 5	< 1	< 5	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.75	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 5	< 50	< 50	< 5	< 50	< 5	< 5	< 50	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.36	< 2	0.34	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	310	318	297	310	312	300	310	248	300	290	280	300	300	300	290	300

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 3:55 PM	8/27/2010 4:00 PM	8/28/2010 9:53 AM	8/28/2010 10:37 AM	8/28/2010 10:45 AM	8/28/2010 10:45 AM	8/28/2010 11:15 AM	8/28/2010 11:15 AM	8/28/2010 11:40 AM	8/28/2010 11:45 AM	8/28/2010 12:58 PM	8/28/2010 12:58 PM	8/28/2010 2:35 PM	8/28/2010 2:45 PM	8/28/2010 2:45 PM	8/28/2010 3:20 PM
	Sample	WSE082715 55RCM1	WSE082716 00JRP1	WSE082809 53RCM1	WSE082810 37RCM1	WSE082810 45JRP1	WSE082810 45JRP2	WSE082811 15PML1	WSE082811 15RCM1	WSE082811 40PML1	WSE082811 45JRP1	WSB082812 58JLS1	WSB082812 58JLS2	WSE082814 35PML1	WSE082814 45JRP1	WSE082814 45RCM1	WSE082815 20RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4.5	4.3	4.6	4.8	3.6	3.5	4.1	4.7	4	3.6	2.9	3	4.1	3.7	5.1	5
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	ug/l	1.5	1.4	1.5	1.4	1.4	1.4	1.5	1.4	1.5	1.4	1.3	1.8	1.6	1.5	1.5	1.6
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	ug/l	57	59	58	56	60	60	62	56	61	59	44	51	60	61	59	61
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	73000	78000	80000	78000	84000	85000	83000	77000	83000	82000	84000	85000	83000	83000	81000	81000
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	3	< 5	< 5	< 5	< 5
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	ug/l	0.21	0.19	0.11	< 1	0.13	0.12	0.11	< 1	0.12	0.11	< 1	0.2	0.13	0.12	0.15	0.12
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/l	1.2	< 2	0.79	0.98	0.66	0.7	0.9	3	0.97	0.74	0.48	0.94	0.84	0.78	0.86	1.1
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	ug/l	130	210	100	94	210	220	260	95	300	250	270	910	390	260	180	180
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	ug/l	< 0.5	0.33	0.23	0.17	0.31	0.32	0.4	0.37	0.44	0.36	0.34	1.3	0.59	0.37	0.35	0.34
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	23000	23000	25000	25000	24000	25000	25000	24000	24000	24000	25000	25000	25000	24000	25000	25000
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	ug/l	26	50	35	33	46	46	58	32	59	47	51	130	76	64	53	54
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	ug/l	< 4	0.67	0.9	0.82	1.4	1.3	0.81	0.72	0.81	0.84	0.8	0.82	0.78	0.85	1.4	1
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/l	0.74	0.65	0.83	0.64	0.61	0.6	< 2	0.63	< 2	0.62	0.43	0.83	< 2	0.66	0.73	0.68
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 3:55 PM	8/27/2010 4:00 PM	8/28/2010 9:53 AM	8/28/2010 10:37 AM	8/28/2010 10:45 AM	8/28/2010 10:45 AM	8/28/2010 11:15 AM	8/28/2010 11:15 AM	8/28/2010 11:40 AM	8/28/2010 11:45 AM	8/28/2010 12:58 PM	8/28/2010 12:58 PM	8/28/2010 2:35 PM	8/28/2010 2:45 PM	8/28/2010 2:45 PM	8/28/2010 3:20 PM
	Sample	WSE082715 55RCM1	WSE082716 00JRP1	WSE082809 53RCM1	WSE082810 37RCM1	WSE082810 45JRP1	WSE082810 45JRP2	WSE082811 15PML1	WSE082811 15RCM1	WSE082811 40PML1	WSE082811 45JRP1	WSB082812 58JLS1	WSB082812 58JLS2	WSE082814 35PML1	WSE082814 45JRP1	WSE082814 45RCM1	WSE082815 20RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	ug/l	< 5	0.54	0.52	< 5	< 5	< 5	0.51	0.52	0.53	< 5	< 5	0.92	0.62	0.54	0.57	0.59
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20
PCB																	
Aroclor 1016	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Aroclor 1221	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Aroclor 1232	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Aroclor 1242	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Aroclor 1248	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Aroclor 1254	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Aroclor 1260	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
Polychlorinated biphenyls (PCBs), total	ug/l	< 0.15	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.13	< 0.13	< 0.14	< 0.14	< 0.14	< 0.13	< 0.16	< 0.16
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 2.5	0.3	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
1,2-Dichlorobenzene	ug/l	< 2.5	0.35	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
1,3-Dichlorobenzene	ug/l	< 2.5	0.34	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
1,4-Dichlorobenzene	ug/l	< 2.5	0.38	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
2,4,5-Trichlorophenol	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
2,4,6-Trichlorophenol	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
2,4-Dichlorophenol	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
2,4-Dimethylphenol	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
2,4-Dinitrophenol	ug/l	< 25	< 22	< 22	< 23	< 21	< 22	< 22	< 24	< 21	< 20	< 23	< 22	< 22	< 21	< 24	< 28
2,4-Dinitrotoluene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
2,6-Dinitrotoluene	ug/l	< 0.62	< 0.54	< 0.56	< 0.57	< 0.53	< 0.56	< 0.56	< 0.61	< 0.53	< 0.51	< 0.57	< 0.54	< 0.56	< 0.53	< 0.6	< 0.69
2-Chloronaphthalene	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
2-Chlorophenol	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
2-Methyl-4,6-dinitrophenol	ug/l	< 25	< 22	< 22	< 23	< 21	< 22	< 22	< 24	< 21	< 20	< 23	< 22	< 22	< 21	< 24	< 28
2-Methylnaphthalene	ug/l	< 0.62	0.24	< 0.56	< 0.57	< 0.53	< 0.56	< 0.56	< 0.61	< 0.53	< 0.51	< 0.57	< 0.54	< 0.56	< 0.53	< 0.6	< 0.69
2-Methylphenol	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
2-Nitroaniline	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
2-Nitrophenol	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
3- And 4- Methylphenol (Total)	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
3,3'-Dichlorobenzidine	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
3-Nitroaniline	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
4-Bromophenyl phenylether	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
4-Chloro-3-methylphenol	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
4-Chloroaniline	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
4-Chlorophenyl phenylether	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 3:55 PM	8/27/2010 4:00 PM	8/28/2010 9:53 AM	8/28/2010 10:37 AM	8/28/2010 10:45 AM	8/28/2010 10:45 AM	8/28/2010 11:15 AM	8/28/2010 11:15 AM	8/28/2010 11:40 AM	8/28/2010 11:45 AM	8/28/2010 12:58 PM	8/28/2010 12:58 PM	8/28/2010 2:35 PM	8/28/2010 2:45 PM	8/28/2010 2:45 PM	8/28/2010 3:20 PM
	Sample	WSE082715 55RCM1	WSE082716 00JRP1	WSE082809 53RCM1	WSE082810 37RCM1	WSE082810 45JRP1	WSE082810 45JRP2	WSE082811 15PML1	WSE082811 15RCM1	WSE082811 40PML1	WSE082811 45JRP1	WSB082812 58JLS1	WSB082812 58JLS2	WSE082814 35PML1	WSE082814 45JRP1	WSE082814 45RCM1	WSE082815 20RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
4-Nitrophenol	ug/l	< 25	< 22	< 22	< 23	< 21	< 22	< 22	< 24	< 21	< 20	< 23	< 22	< 22	< 21	< 24	< 28
Acenaphthene	ug/l	< 1.2	0.14	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Acenaphthylene	ug/l	< 1.2	0.13	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Anthracene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Benzo(a)anthracene	ug/l	< 0.25	< 0.22	< 0.22	< 0.23	< 0.21	< 0.22	< 0.22	< 0.24	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.21	< 0.24	< 0.28
Benzo(a)pyrene	ug/l	< 0.25	< 0.22	< 0.22	< 0.23	0.13	< 0.22	< 0.22	< 0.24	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.21	< 0.24	< 0.28
Benzo(b)fluoranthene	ug/l	< 0.25	< 0.22	< 0.22	< 0.23	< 0.21	< 0.22	< 0.22	< 0.24	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.21	< 0.24	< 0.28
Benzo(g,h,i)perylene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	0.28	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	0.18	< 1.2	< 1.4
Benzo(k)fluoranthene	ug/l	< 0.25	< 0.22	< 0.22	< 0.23	< 0.21	< 0.22	< 0.22	< 0.24	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	< 0.21	< 0.24	< 0.28
Bis(2-chloroethoxy) methane	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Bis(2-chloroethyl)ether	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Bis(2-chloroisopropyl) ether	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Bis(2-ethylhexyl)phthalate	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
Butyl benzyl phthalate	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Carbazole	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
Chrysene	ug/l	< 0.62	< 0.54	< 0.56	< 0.57	< 0.53	< 0.56	< 0.56	< 0.61	< 0.53	< 0.51	< 0.57	< 0.54	< 0.56	< 0.53	< 0.6	< 0.69
Dibenzo(a,h)anthracene	ug/l	< 0.37	< 0.33	< 0.34	< 0.34	0.27	< 0.34	< 0.33	< 0.37	< 0.32	< 0.3	< 0.34	< 0.33	< 0.33	0.16	< 0.36	< 0.42
Dibenzofuran	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Diethyl phthalate	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Dimethyl phthalate	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Di-n-butyl phthalate	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
Di-n-octyl phthalate	ug/l	< 12	< 11	< 11	< 11	< 11	< 11	< 11	< 12	< 11	< 10	< 11	< 11	< 11	< 11	< 12	< 14
Fluoranthene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Fluorene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Hexachlorobenzene (C-66)	ug/l	< 0.62	< 0.54	< 0.56	< 0.57	< 0.53	< 0.56	< 0.56	< 0.61	< 0.53	< 0.51	< 0.57	< 0.54	< 0.56	< 0.53	< 0.6	< 0.69
Hexachlorobutadiene (C-46)	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
Hexachlorocyclopentadiene (C-56)	ug/l	< 25	< 22	< 22	< 23	< 21	< 22	< 22	< 24	< 21	< 20	< 23	< 22	< 22	< 21	< 24	< 28
Hexachloroethane	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
Indeno(1,2,3-c,d)pyrene	ug/l	< 0.25	< 0.22	< 0.22	< 0.23	0.25	< 0.22	< 0.22	< 0.24	< 0.21	< 0.2	< 0.23	< 0.22	< 0.22	0.17	< 0.24	< 0.28
Isophorone	ug/l	< 2.5	< 2.2	< 2.2	< 2.3	< 2.1	< 2.2	< 2.2	< 2.4	< 2.1	< 2	< 2.3	< 2.2	< 2.2	< 2.1	< 2.4	< 2.8
Naphthalene	ug/l	< 1.2	0.31	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Nitrobenzene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
n-Nitroso-di-n-propylamine	ug/l	< 0.62	< 0.54	< 0.56	< 0.57	< 0.53	< 0.56	< 0.56	< 0.61	< 0.53	< 0.51	< 0.57	< 0.54	< 0.56	< 0.53	< 0.6	< 0.69
N-Nitrosodiphenylamine	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Pentachlorophenol	ug/l	< 25	< 22	< 22	< 23	< 21	< 22	< 22	< 24	< 21	< 20	< 23	< 22	< 22	< 21	< 24	< 28
Phenanthrene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Phenol	ug/l	< 6.2	< 5.4	< 5.6	< 5.7	< 5.3	< 5.6	< 5.6	< 6.1	< 5.3	< 5.1	< 5.7	< 5.4	< 5.6	< 5.3	< 6	< 6.9
Pyrene	ug/l	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.1	< 1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	< 1.4
Solids																	
Total Suspended Solids	mg/l	4.5	3.5	7	8	< 5	< 5	5	7.5	5	5	18	22	< 5	5.5	10	11
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diesel Range Organics (C10-C20)	ug/l	< 310	< 260	< 320	< 290	< 260	< 270	< 270	< 310	< 260	< 260	< 280	< 290	< 270	< 260	< 310	< 330

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 3:55 PM	8/27/2010 4:00 PM	8/28/2010 9:53 AM	8/28/2010 10:37 AM	8/28/2010 10:45 AM	8/28/2010 10:45 AM	8/28/2010 11:15 AM	8/28/2010 11:15 AM	8/28/2010 11:40 AM	8/28/2010 11:45 AM	8/28/2010 12:58 PM	8/28/2010 12:58 PM	8/28/2010 2:35 PM	8/28/2010 2:45 PM	8/28/2010 2:45 PM	8/28/2010 3:20 PM
	Sample	WSE082715 55RCM1	WSE082716 00JRP1	WSE082809 53RCM1	WSE082810 37RCM1	WSE082810 45JRP1	WSE082810 45JRP2	WSE082811 15PML1	WSE082811 15RCM1	WSE082811 40PML1	WSE082811 45JRP1	WSB082812 58JLS1	WSB082812 58JLS2	WSE082814 35PML1	WSE082814 45JRP1	WSE082814 45RCM1	WSE082815 20RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	ug/l	< 620	< 510	< 640	< 570	< 520	< 540	< 550	< 620	< 530	< 520	< 560	< 570	< 540	< 520	< 620	< 670
Specific Identification of Gasoline	ug/l	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/27/2010 3:55 PM	8/27/2010 4:00 PM	8/28/2010 9:53 AM	8/28/2010 10:37 AM	8/28/2010 10:45 AM	8/28/2010 10:45 AM	8/28/2010 11:15 AM	8/28/2010 11:15 AM	8/28/2010 11:40 AM	8/28/2010 11:45 AM	8/28/2010 12:58 PM	8/28/2010 12:58 PM	8/28/2010 2:35 PM	8/28/2010 2:45 PM	8/28/2010 2:45 PM	8/28/2010 3:20 PM
	Sample	WSE082715 55RCM1	WSE082716 00JRP1	WSE082809 53RCM1	WSE082810 37RCM1	WSE082810 45JRP1	WSE082810 45JRP2	WSE082811 15PML1	WSE082811 15RCM1	WSE082811 40PML1	WSE082811 45JRP1	WSB082812 58JLS1	WSB082812 58JLS2	WSE082814 35PML1	WSE082814 45JRP1	WSE082814 45RCM1	WSE082815 20RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	0.55	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	0.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	280	290	300	300	310	310	310	290	310	300	310	310	310	310	300	300

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/28/2010 3:39 PM	8/29/2010 9:45 AM	8/29/2010 10:05 AM	8/29/2010 10:31 AM	8/29/2010 10:58 AM	8/29/2010 11:00 AM	8/29/2010 11:15 AM	8/29/2010 11:25 AM	8/29/2010 11:50 AM	8/29/2010 2:20 PM	8/30/2010 9:30 AM	8/30/2010 9:50 AM	8/30/2010 10:00 AM	8/30/2010 10:16 AM	8/30/2010 10:30 AM	8/30/2010 10:46 AM
	Sample	WSE082815 39RCM1	WSE082909 45PML1	WSE082910 05PML1	WSE082910 31PML1	WSE082910 58MHS1	WSE082911 00JRP1	WSE082911 15JRP1	WSE082911 25MHS1	WSE082911 50MHS1	WSE082914 20PML1	WSE083009 30JAW1	WSE083009 50MHS1	WSE083010 00PML1	WSE083010 16MHS1	WSE083010 30PML1	WSE083010 46MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	5.2	6	5	5	6	4	5	5	5	4	3.5	3.8	3.6	3.9	3.6	3.9
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	0.00023	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Antimony	ug/l	< 3	< 2	< 2	< 2	0.13	< 2	< 2	0.14	< 2	< 2	---	---	---	---	---	---
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	0.0009	0.00095	0.0012	0.00093	0.0012	0.00092
Arsenic	ug/l	1.5	1.6	1.8	1.7	1.7	1.5	1.4	1.8	1.8	1.6	---	---	---	---	---	---
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	0.057	0.054	0.056	0.054	0.056	0.05
Barium	ug/l	60	59.1	61.8	59.1	59.4	63.5	61.7	58.7	58.4	62.1	---	---	---	---	---	---
Beryllium	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	ug/l	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---	---	---
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	82000	77800	81500	80100	81200	85200	83200	80000	77400	84100	---	---	---	---	---	---
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	0.00022	0.00011	< 0.005	0.000085	< 0.005	0.000045
Chromium (Total)	ug/l	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.005	0.00022	< 0.005	0.00024	< 0.005	0.00021
Cobalt	ug/l	0.11	0.12	0.12	0.13	0.12	0.088	0.084	0.11	0.1	0.12	---	---	---	---	---	---
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	0.00081	0.00072	0.00091	0.0007	0.00089	0.00097
Copper	ug/l	1.4	< 4	< 4	< 4	0.69	0.65	0.64	0.71	0.6	< 4	---	---	---	---	---	---
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	290	280	300	280	290	260
Iron	mg/l	---	---	---	---	---	---	---	---	---	---	0.2	0.13	0.18	0.13	0.18	< 0.08
Iron	ug/l	170	< 200	55.8	< 200	< 200	< 200	< 200	< 200	< 200	< 200	---	---	---	---	---	---
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.003	0.00021	< 0.003	0.00019	< 0.003	0.000095
Lead	ug/l	0.33	0.31	0.48	0.38	0.32	0.3	0.24	0.32	< 3	0.32	---	---	---	---	---	---
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	25000	24800	25400	24700	25000	25200	24900	24600	25100	25500	---	---	---	---	---	---
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	0.055	0.047	0.054	0.047	0.054	0.022
Manganese	ug/l	55	52.6	60.9	55.2	51.3	45.2	44.4	52.2	31	55.7	---	---	---	---	---	---
Mercury (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury (Total)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---
Molybdenum	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.005	0.0011	< 0.005	0.001	< 0.005	0.00099
Molybdenum	ug/l	0.9	1.1	1	0.98	1.1	1.1	1	1.1	1.1	1	---	---	---	---	---	---
Nickel	mg/l	---	---	---	---	---	---	---	---	---	---	0.00046	0.00042	0.00053	0.00037	0.00052	0.00038
Nickel	ug/l	0.69	< 2	< 2	< 2	0.76	0.73	0.62	0.62	0.68	< 2	---	---	---	---	---	---
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Silver	ug/l	< 0.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/28/2010 3:39 PM	8/29/2010 9:45 AM	8/29/2010 10:05 AM	8/29/2010 10:31 AM	8/29/2010 10:58 AM	8/29/2010 11:00 AM	8/29/2010 11:15 AM	8/29/2010 11:25 AM	8/29/2010 11:50 AM	8/29/2010 2:20 PM	8/30/2010 9:30 AM	8/30/2010 9:50 AM	8/30/2010 10:00 AM	8/30/2010 10:16 AM	8/30/2010 10:30 AM	8/30/2010 10:46 AM
	Sample	WSE082815 39RCM1	WSE082909 45PML1	WSE082910 05PML1	WSE082910 31PML1	WSE082910 58MHS1	WSE082911 00JRP1	WSE082911 15JRP1	WSE082911 25MHS1	WSE082911 50MHS1	WSE082914 20PML1	WSE083009 30JAW1	WSE083009 50MHS1	WSE083010 00PML1	WSE083010 16MHS1	WSE083010 30PML1	WSE083010 46MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Thallium	ug/l	< 2	< 2	< 2	< 2	0.14	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---
Vanadium	mg/l	---	---	---	---	---	---	---	---	---	---	0.00048	0.00042	0.00043	0.00036	0.00041	0.00037
Vanadium	ug/l	0.58	0.67	< 10	0.72	0.62	< 10	0.48	0.7	0.66	0.52	---	---	---	---	---	---
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	0.0018	0.0059	0.0029	< 0.01	0.0017	< 0.01
Zinc	ug/l	< 20	< 50	< 50	< 50	5.3	3.5	< 50	2.5	< 50	< 50	---	---	---	---	---	---
PCB																	
Aroclor 1016	ug/l	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	0.03	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.14	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Polychlorinated biphenyls (PCBs), total	ug/l	0.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 6.3	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 13	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 0.63	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chloronaphthalene	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 6.3	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 25	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 0.63	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 2.5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 6.3	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	< 2.5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	< 6.3	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 13	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 6.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 13	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 6.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/28/2010 3:39 PM	8/29/2010 9:45 AM	8/29/2010 10:05 AM	8/29/2010 10:31 AM	8/29/2010 10:58 AM	8/29/2010 11:00 AM	8/29/2010 11:15 AM	8/29/2010 11:25 AM	8/29/2010 11:50 AM	8/29/2010 2:20 PM	8/30/2010 9:30 AM	8/30/2010 9:50 AM	8/30/2010 10:00 AM	8/30/2010 10:16 AM	8/30/2010 10:30 AM	8/30/2010 10:46 AM
	Sample	WSE082815 39RCM1	WSE082909 45PML1	WSE082910 05PML1	WSE082910 31PML1	WSE082910 58MHS1	WSE082911 00JRP1	WSE082911 15JRP1	WSE082911 25MHS1	WSE082911 50MHS1	WSE082914 20PML1	WSE083009 30JAW1	WSE083009 50MHS1	WSE083010 00PML1	WSE083010 16MHS1	WSE083010 30PML1	WSE083010 46MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 13	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 0.25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 0.25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 0.25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 1.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 0.25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.69	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 6.3	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 0.63	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 0.38	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 2.5	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 6.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 13	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 1.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 0.63	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 6.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 6.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 0.25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 2.5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 1.3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 0.63	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 1.3	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 6.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 1.3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	12	12	10	8	5	2	< 4	3	< 4	< 4	< 6	7.5	< 6	< 6	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Diesel Range Organics (C10-C20)	ug/l	< 310	23	< 100	< 100	16	< 100	< 100	20	< 100	< 100	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/28/2010 3:39 PM	8/29/2010 9:45 AM	8/29/2010 10:05 AM	8/29/2010 10:31 AM	8/29/2010 10:58 AM	8/29/2010 11:00 AM	8/29/2010 11:15 AM	8/29/2010 11:25 AM	8/29/2010 11:50 AM	8/29/2010 2:20 PM	8/30/2010 9:30 AM	8/30/2010 9:50 AM	8/30/2010 10:00 AM	8/30/2010 10:16 AM	8/30/2010 10:30 AM	8/30/2010 10:46 AM
	Sample	WSE082815 39RCM1	WSE082909 45PML1	WSE082910 05PML1	WSE082910 31PML1	WSE082910 58MHS1	WSE082911 00JRP1	WSE082911 15JRP1	WSE082911 25MHS1	WSE082911 50MHS1	WSE082914 20PML1	WSE083009 30JAW1	WSE083009 50MHS1	WSE083010 00PML1	WSE083010 16MHS1	WSE083010 30PML1	WSE083010 46MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	---	---	---	---	---	---	---	---	---	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Oil Range Organics (C20-C34)	ug/l	< 620	< 500	< 500	< 500	< 500	< 500	47	< 500	< 500	< 500	---	---	---	---	---	---
Specific Identification of Gasoline	ug/l	< 50	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 5	2.2	2	< 25	< 25	< 25	< 25	< 25	< 25	1.8	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/28/2010 3:39 PM	8/29/2010 9:45 AM	8/29/2010 10:05 AM	8/29/2010 10:31 AM	8/29/2010 10:58 AM	8/29/2010 11:00 AM	8/29/2010 11:15 AM	8/29/2010 11:25 AM	8/29/2010 11:50 AM	8/29/2010 2:20 PM	8/30/2010 9:30 AM	8/30/2010 9:50 AM	8/30/2010 10:00 AM	8/30/2010 10:16 AM	8/30/2010 10:30 AM	8/30/2010 10:46 AM
	Sample	WSE082815 39RCM1	WSE082909 45PML1	WSE082910 05PML1	WSE082910 31PML1	WSE082910 58MHS1	WSE082911 00JRP1	WSE082911 15JRP1	WSE082911 25MHS1	WSE082911 50MHS1	WSE082914 20PML1	WSE083009 30JAW1	WSE083009 50MHS1	WSE083010 00PML1	WSE083010 16MHS1	WSE083010 30PML1	WSE083010 46MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	310	296	308	302	306	316	310	301	297	315	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/30/2010 11:00 AM	8/30/2010 11:00 AM	8/30/2010 2:30 PM	8/30/2010 3:00 PM	8/30/2010 3:30 PM	8/30/2010 3:40 PM	8/31/2010 9:30 AM	8/31/2010 9:30 AM	8/31/2010 9:50 AM	8/31/2010 10:00 AM	8/31/2010 10:05 AM	8/31/2010 10:30 AM	8/31/2010 10:40 AM	8/31/2010 10:40 AM	8/31/2010 1:30 PM	8/31/2010 1:45 PM
	Sample	WSE083011 00PML1	WSE083011 00JAW1	WSE083014 30PML1	WSE083015 00PML1	WSE083015 30PML1	WSE083015 40MHS1	WSE083109 30PML1	WSE083109 30JAW1	WSE083109 50PML1	WSE083110 00JAW1	WSE083110 05MHS1	WSE083110 30PML1	WSE083110 40MHS1	WSE083110 40MHS2	WSE083113 30PML1	WSE083113 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.6	3.5	4	4	3.8	4.1	3.9	3.5	3.9	3.5	4	4.3	4.2	3.9	4.1	4
Metals																	
Aluminum	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	mg/l	< 0.002	0.00016	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0002	< 0.002	0.00013	0.0007	< 0.002	0.00033	< 0.002	< 0.002	< 0.002
Antimony	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	mg/l	0.00091	0.0013	0.0013	0.0011	0.0011	0.00074	0.0016	0.0014	0.0016	0.0014	0.0015	0.0018	0.0016	0.0015	0.0015	0.0016
Arsenic	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/l	0.056	0.054	0.054	0.053	0.056	0.053	0.05	0.057	0.052	0.055	0.053	0.059	0.053	0.052	0.052	0.052
Barium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00012	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	mg/l	< 0.005	0.00021	< 0.005	< 0.005	< 0.005	0.000057	0.00014	0.00019	0.00013	0.00016	0.00054	0.00046	0.00023	0.00022	0.00011	0.0001
Chromium (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00022	< 0.005	0.00026	< 0.005	0.00024	0.00031	< 0.005	0.00025	0.00024	< 0.005	< 0.005
Cobalt	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/l	0.00075	0.0008	0.00071	0.00075	0.00084	0.0012	< 0.005	0.00084	< 0.005	0.00072	0.00092	< 0.005	0.00076	0.00072	< 0.005	< 0.005
Copper	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hardness	mg/l	290	290	280	280	290	270	260	290	270	280	260	280	280	270	270	260
Iron	mg/l	0.18	0.19	0.13	0.13	0.24	0.096	0.08	0.21	0.12	0.2	0.23	0.3	0.13	0.12	0.11	0.11
Iron	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/l	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.00012	< 0.003	0.00026	< 0.003	0.00025	0.00045	< 0.003	0.00018	0.00016	< 0.003	< 0.003
Lead	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	mg/l	0.056	0.05	0.04	0.043	0.077	0.029	0.027	0.053	0.036	0.046	0.051	0.11	0.036	0.035	0.035	0.035
Manganese	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury (Total)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00098	< 0.005	0.0012	< 0.005	0.001	0.0018	< 0.005	0.0013	0.0011	< 0.005	< 0.005
Molybdenum	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/l	0.00056	0.00054	0.00056	0.00045	0.00048	0.00048	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Silver	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/30/2010 11:00 AM	8/30/2010 11:00 AM	8/30/2010 2:30 PM	8/30/2010 3:00 PM	8/30/2010 3:30 PM	8/30/2010 3:40 PM	8/31/2010 9:30 AM	8/31/2010 9:30 AM	8/31/2010 9:50 AM	8/31/2010 10:00 AM	8/31/2010 10:05 AM	8/31/2010 10:30 AM	8/31/2010 10:40 AM	8/31/2010 10:40 AM	8/31/2010 1:30 PM	8/31/2010 1:45 PM
	Sample	WSE083011 00PML1	WSE083011 00JAW1	WSE083014 30PML1	WSE083015 00PML1	WSE083015 30PML1	WSE083015 40MHS1	WSE083109 30PML1	WSE083109 30JAW1	WSE083109 50PML1	WSE083110 00JAW1	WSE083110 05MHS1	WSE083110 30PML1	WSE083110 40MHS1	WSE083110 40MHS2	WSE083113 30PML1	WSE083113 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Oil Range Organics (C20-C34)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	0.43	0.54	< 20	1.5	1.2	< 20	1.3	2.4	0.37	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/30/2010 11:00 AM	8/30/2010 11:00 AM	8/30/2010 2:30 PM	8/30/2010 3:00 PM	8/30/2010 3:30 PM	8/30/2010 3:40 PM	8/31/2010 9:30 AM	8/31/2010 9:30 AM	8/31/2010 9:50 AM	8/31/2010 10:00 AM	8/31/2010 10:05 AM	8/31/2010 10:30 AM	8/31/2010 10:40 AM	8/31/2010 10:40 AM	8/31/2010 1:30 PM	8/31/2010 1:45 PM
	Sample	WSE083011 00PML1	WSE083011 00JAW1	WSE083014 30PML1	WSE083015 00PML1	WSE083015 30PML1	WSE083015 40MHS1	WSE083109 30PML1	WSE083109 30JAW1	WSE083109 50PML1	WSE083110 00JAW1	WSE083110 05MHS1	WSE083110 30PML1	WSE083110 40MHS1	WSE083110 40MHS2	WSE083113 30PML1	WSE083113 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Wet Chem																	
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 2:00 PM	8/31/2010 2:00 PM	8/31/2010 2:40 PM	8/31/2010 3:05 PM	8/31/2010 3:45 PM
	Sample	WSE083114 00PML1	WSE083114 00JAW3	WSE083114 40MHS1	WSE083115 05MHS1	WSE083115 45MHS1
Analyte	Units	Result	Result	Result	Result	Result
Carbon						
Total Organic Carbon	mg/l	4	3.6	4	4.1	4.2
Metals						
Aluminum	mg/l	---	---	---	---	---
Aluminum	ug/l	---	---	---	---	---
Antimony	mg/l	0.0004	< 0.002	0.00013	< 0.002	< 0.002
Antimony	ug/l	---	---	---	---	---
Arsenic	mg/l	0.0016	0.0023	0.0015	0.0015	0.0016
Arsenic	ug/l	---	---	---	---	---
Barium	mg/l	0.053	0.067	0.054	0.056	0.054
Barium	ug/l	---	---	---	---	---
Beryllium	mg/l	0.00013	< 0.001	< 0.001	< 0.001	< 0.001
Beryllium	ug/l	---	---	---	---	---
Cadmium	mg/l	0.0001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	ug/l	---	---	---	---	---
Calcium	mg/l	---	---	---	---	---
Calcium	ug/l	---	---	---	---	---
Chromium (Total)	mg/l	0.0002	0.0021	0.00021	0.00027	0.00018
Chromium (Total)	ug/l	---	---	---	---	---
Cobalt	mg/l	0.00032	0.00045	0.00026	0.00026	0.00024
Cobalt	ug/l	---	---	---	---	---
Copper	mg/l	0.00083	0.0019	0.00072	0.00084	0.00073
Copper	ug/l	---	---	---	---	---
Hardness	mg/l	270	300	270	280	270
Iron	mg/l	0.14	1.3	0.17	0.17	0.13
Iron	ug/l	---	---	---	---	---
Lead	mg/l	0.00029	0.0022	0.00028	0.00027	0.0002
Lead	ug/l	---	---	---	---	---
Magnesium	mg/l	---	---	---	---	---
Magnesium	ug/l	---	---	---	---	---
Manganese	mg/l	0.044	0.18	0.051	0.052	0.046
Manganese	ug/l	---	---	---	---	---
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Mercury (Total)	ug/l	---	---	---	---	---
Molybdenum	mg/l	0.0019	0.0011	0.0012	0.0011	0.0011
Molybdenum	ug/l	---	---	---	---	---
Nickel	mg/l	< 0.005	0.0002	< 0.005	< 0.005	< 0.005
Nickel	ug/l	---	---	---	---	---
Potassium	mg/l	---	---	---	---	---
Potassium	ug/l	---	---	---	---	---
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	ug/l	---	---	---	---	---
Silver	mg/l	0.000035	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Silver	ug/l	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 2:00 PM	8/31/2010 2:00 PM	8/31/2010 2:40 PM	8/31/2010 3:05 PM	8/31/2010 3:45 PM
	Sample	WSE083114 00PML1	WSE083114 00JAW3	WSE083114 40MHS1	WSE083115 05MHS1	WSE083115 45MHS1
Analyte	Units	Result	Result	Result	Result	Result
Sodium	mg/l	---	---	---	---	---
Sodium	ug/l	---	---	---	---	---
Thallium	mg/l	0.00026	< 0.002	< 0.002	< 0.002	< 0.002
Thallium	ug/l	---	---	---	---	---
Vanadium	mg/l	0.00053	0.00087	0.00047	0.00034	0.00039
Vanadium	ug/l	---	---	---	---	---
Zinc	mg/l	< 0.01	0.012	< 0.01	0.0016	< 0.01
Zinc	ug/l	---	---	---	---	---
PCB						
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Polychlorinated biphenyls (PCBs), total	ug/l	---	---	---	---	---
PNA						
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5
3- And 4- Methylphenol (Total)	ug/l	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 2:00 PM	8/31/2010 2:00 PM	8/31/2010 2:40 PM	8/31/2010 3:05 PM	8/31/2010 3:45 PM
	Sample	WSE083114 00PML1	WSE083114 00JAW3	WSE083114 40MHS1	WSE083115 05MHS1	WSE083115 45MHS1
Analyte	Units	Result	Result	Result	Result	Result
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	0.87	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5
Solids						
Total Suspended Solids	mg/l	9	< 6	7.5	6	5.5
TPH						
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Diesel Range Organics (C10-C20)	ug/l	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 2:00 PM	8/31/2010 2:00 PM	8/31/2010 2:40 PM	8/31/2010 3:05 PM	8/31/2010 3:45 PM
	Sample	WSE083114 00PML1	WSE083114 00JAW3	WSE083114 40MHS1	WSE083115 05MHS1	WSE083115 45MHS1
Analyte	Units	Result	Result	Result	Result	Result
Diesel Range Organics (C10-C38)	mg/l	---	---	---	---	---
Gasoline Range Organics (C5-C10)	ug/l	---	---	---	---	---
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Oil Range Organics (C20-C34)	ug/l	---	---	---	---	---
Specific Identification of Gasoline	ug/l	---	---	---	---	---
VOC						
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	2.9	2.2	4.7	2.5	2.6
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	8/31/2010 2:00 PM	8/31/2010 2:00 PM	8/31/2010 2:40 PM	8/31/2010 3:05 PM	8/31/2010 3:45 PM
	Sample	WSE083114 00PML1	WSE083114 00JAW3	WSE083114 40MHS1	WSE083115 05MHS1	WSE083115 45MHS1
Analyte	Units	Result	Result	Result	Result	Result
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	0.15	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2
Wet Chem						
Hardness	mg/l	---	---	---	---	---

Table 4-a. Morrow Lake Surface Water Analytical Results July-August 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	9/1/2010 9:45 AM	9/1/2010 9:50 AM	9/1/2010 9:50 AM	9/1/2010 10:00 AM	9/1/2010 10:25 AM	9/1/2010 10:25 AM	9/1/2010 10:35 AM	9/1/2010 11:10 AM	9/1/2010 11:30 AM	9/1/2010 12:25 PM	9/1/2010 12:40 PM	9/1/2010 12:45 PM
	Sample						WSE090109 45JAW1	WSE090109 50PML1	WSE090109 50PML2	WSE090110 00MHS1	WSE090110 25MHS1	WSE090110 25JAW1	WSE090110 35PML1	WSE090111 10MHS3	WSE090111 30PML1	WSE090112 25PML1	WSE090112 40PML1	WSD09011 245RRS1
	Units						Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																		
Total Organic Carbon	mg/l	NCE	NCE	NCE	NCE	NCE	3.5	3.8	3.7	3.7	3.7	3.6	3.7	3.9	3.7	3.6	3.7	4.1
Metals																		
Antimony	mg/l	1.1	2.3	0.24	NCE	0.13	< 0.002	0.00015	< 0.002	< 0.002	< 0.002	0.00031	< 0.002	< 0.002	< 0.002	0.00088	0.00049	0.00036
Arsenic	mg/l	0.34	0.68	0.15	NCE	0.28	0.0016	0.0013	0.0015	0.0015	0.0014	0.0013	0.0014	0.0014	0.0011	0.0014	0.0015	0.0014
Barium	mg/l	NCE	NCE	NCE	NCE	160	0.061	0.063	0.063	0.059	0.056	0.068	0.063	0.058	0.061	0.065	0.066	0.059
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00012	< 0.001	< 0.001	< 0.001	0.000088
Cadmium	mg/l	NCE	NCE	NCE	NCE	0.13	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	NCE	NCE	NCE	NCE	9.4	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.37	0.74	0.1	NCE	NCE	0.0003	0.00032	0.00031	0.00032	0.00029	0.00032	0.00032	0.00037	0.00029	0.00033	0.00032	0.00035
Copper	mg/l	NCE	NCE	NCE	NCE	38	0.0055	0.0011	0.001	0.0013	0.001	0.001	0.0016	0.0041	0.00093	0.001	0.001	0.00098
Hardness	mg/l	NCE	NCE	NCE	NCE	NCE	290	300	300	290	270	300	290	290	290	290	290	290
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.2	0.31	0.29	0.3	0.17	0.24	0.31	0.18	0.23	0.28	0.28	0.14
Lead	mg/l	NCE	NCE	NCE	NCE	0.19	0.00032	0.00046	0.00047	0.00064	0.00036	0.00037	0.00055	0.00038	0.00035	0.00043	0.00047	0.00033
Manganese	mg/l	NCE	NCE	NCE	NCE	59	0.055	0.066	0.066	0.067	0.053	0.065	0.063	0.055	0.057	0.065	0.068	0.054
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	0.00006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.00024	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	0.0012	0.0011	0.0011	< 0.005	< 0.005	0.0012	0.0011	< 0.005	0.0011	0.0012	0.0011	0.0015
Nickel	mg/l	NCE	NCE	NCE	NCE	210	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0012	0.00063	< 0.005	< 0.005	< 0.005	0.00023
Selenium	mg/l	0.062	0.12	0.005	NCE	2.7	0.00066	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00076	< 0.005	< 0.005	< 0.005	0.00067
Silver	mg/l	0.00054	0.0011	6e-005	NCE	11	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	0.047	0.094	0.0072	NCE	0.0037	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00022	< 0.002	< 0.002	< 0.002	0.00022
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	0.00025	0.00026	0.00032	0.00035	0.00019	0.00026	0.00022	0.00049	0.00018	0.00024	0.00027	0.00028
Zinc	mg/l	NCE	NCE	NCE	NCE	16	0.0028	0.0023	0.0054	0.0038	0.0051	0.0028	0.0037	0.0024	0.0019	0.0033	0.0051	0.0034
PCB																		
Aroclor 1016	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																		
1,2,4-Trichlorobenzene	ug/l	100	200	30	NCE	99	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	120	240	13	NCE	11000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	100	200	28	NCE	65	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	100	210	17	240	11000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	39	79	5	290	14000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	92	180	11	NCE	1100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	1300	2700	380	NCE	8700	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	130	270	19	NCE	2800	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	9/1/2010 9:45 AM	9/1/2010 9:50 AM	9/1/2010 9:50 AM	9/1/2010 10:00 AM	9/1/2010 10:25 AM	9/1/2010 10:25 AM	9/1/2010 10:35 AM	9/1/2010 11:10 AM	9/1/2010 11:30 AM	9/1/2010 12:25 PM	9/1/2010 12:40 PM	9/1/2010 12:45 PM
	Sample						WSE090109 45JAW1	WSE090109 50PML1	WSE090109 50PML2	WSE090110 00MHS1	WSE090110 25MHS1	WSE090110 25JAW1	WSE090110 35PML1	WSE090111 10MHS3	WSE090111 30PML1	WSE090112 25PML1	WSE090112 40PML1	WSD09011 245RRS1
	Units						Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	160	320	18	NCE	400	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	740	1500	82	NCE	44000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	510	1000	56	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	41	81	4.5	0.2	950	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	67	130	7.4	NCE	39000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	NCE	NCE	NCE	72	1400	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	230	450	25	NCE	45000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	940	1900	200	NCE	18000	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	100	200	38	NCE	890	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	NCE	NCE	NCE	NCE	2400	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	NCE	NCE	NCE	15	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	NCE	NCE	NCE	290	47000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	285	285	NCE	32	160	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	310	630	67	NCE	160	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	36	72	4	41	NCE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	36	72	4	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	980	2000	110	NCE	40000	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	38	75	9.7	NCE	690	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	NCE	NCE	NCE	NCE	300	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	14	28	1.6	NCE	18	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	110	220	12	NCE	160	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	NCE	NCE	NCE	0.00045	0.046	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	7	15	1	0.35	0.098	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	NCE	NCE	NCE	NCE	450	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	110	210	13	6.7	7.6	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	9/1/2010 9:45 AM	9/1/2010 9:50 AM	9/1/2010 9:50 AM	9/1/2010 10:00 AM	9/1/2010 10:25 AM	9/1/2010 10:25 AM	9/1/2010 10:35 AM	9/1/2010 11:10 AM	9/1/2010 11:30 AM	9/1/2010 12:25 PM	9/1/2010 12:40 PM	9/1/2010 12:45 PM
	Sample						WSE090109 45JAW1	WSE090109 50PML1	WSE090109 50PML2	WSE090110 00MHS1	WSE090110 25MHS1	WSE090110 25JAW1	WSE090110 35PML1	WSE090111 10MHS3	WSE090111 30PML1	WSE090112 25PML1	WSE090112 40PML1	WSD09011 245RRS1
	Units						Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	4600	9200	1300	8200	110000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	1000	2100	220	180	730	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	NCE	NCE	NCE	2.8	450	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	3400	6800	450	NCE	1200	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	NCE	NCE	NCE	NCE	15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																		
Total Suspended Solids	mg/l	NCE	NCE	NCE	NCE	NCE	< 6	< 6	< 6	7	< 6	< 6	< 6	6	5.5	< 6	7	6.5
TPH																		
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																		
1,1,1,2-Tetrachloroethane	ug/l	NCE	NCE	NCE	100	3500	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	800	1600	89	NCE	42000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	910	1800	200	78	4300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	280	570	32	NCE	1.834e+006	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	3200	6400	730	330	3000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	6600	13000	740	NCE	62000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	1200	2300	130	NCE	33000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	100	200	30	NCE	99	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	120	240	13	NCE	11000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	8200	16000	2000	360	420000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	2000	4000	230	290	380000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	100	200	28	NCE	65	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	81	160	9	140	39000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	81	160	9	140	39000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	100	210	17	240	11000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	20000	40000	2200	NCE	3.8e+006	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	NCE	NCE	NCE	NCE	630000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	15000	30000	1700	NCE	450000	0.88	< 20	< 20	2.2	2.7	0.72	< 20	1.4	0.59	< 20	< 20	< 20
Acrylonitrile	ug/l	590	1200	66	1.2	320	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	9/1/2010 9:45 AM	9/1/2010 9:50 AM	9/1/2010 9:50 AM	9/1/2010 10:00 AM	9/1/2010 10:25 AM	9/1/2010 10:25 AM	9/1/2010 10:35 AM	9/1/2010 11:10 AM	9/1/2010 11:30 AM	9/1/2010 12:25 PM	9/1/2010 12:40 PM	9/1/2010 12:45 PM
	Sample						WSE090109 45JAW1	WSE090109 50PML1	WSE090109 50PML2	WSE090110 00MHS1	WSE090110 25MHS1	WSE090110 25JAW1	WSE090110 35PML1	WSE090111 10MHS3	WSE090111 30PML1	WSE090112 25PML1	WSE090112 40PML1	WSD09011 245RRS1
	Units						Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	NCE	NCE	NCE	NCE	59000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	NCE	NCE	NCE	180	4500	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	NCE	NCE	NCE	890	8100	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	320	640	35	NCE	2600	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	NCE	NCE	NCE	NCE	34000	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	690	1400	77	45	140	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	220	450	25	NCE	3200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	10000	20000	1100	9400	2.7e+007	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	5700	11000	630	NCE	11000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	NCE	NCE	NCE	7300	1.3e+006	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	5500	11000	620	NCE	36000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	NCE	NCE	NCE	150	12000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	NCE	NCE	NCE	4.9	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	NCE	NCE	NCE	NCE	90000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	NCE	NCE	NCE	NCE	1e+006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	140	280	15	5.7	8200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	110	210	13	6.7	7.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	8500	17000	1500	2600	90000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	210000	420000	32000	7100	63000	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	1400	2900	160	80	18000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	1400	2900	190	60	1800	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	14000	28000	1500	NCE	19000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	1800	3500	200	370	550	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	8400	17000	930	13	4400	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/1/2010 2:20 PM	9/1/2010 2:30 PM	9/1/2010 2:30 PM	9/1/2010 2:45 PM	9/1/2010 3:06 PM	9/1/2010 3:20 PM	9/1/2010 4:22 PM	9/1/2010 5:00 PM	9/2/2010 9:00 AM	9/2/2010 9:25 AM	9/2/2010 9:30 AM	9/2/2010 9:55 AM	9/2/2010 9:55 AM	9/2/2010 10:27 AM	9/2/2010 1:00 PM	9/2/2010 1:20 PM
	Sample	WSE090114 20MHS1	WSE090114 30JAW1	WSE090114 30JAW2	WSE090114 45MHS1	WSE090115 06MHS1	WSE090115 20PML1	WSE090116 22PML1	WSE090117 00RRS1	WSE090209 00PML1	WSE090209 25PML1	WSE090209 30MHS1	WSE090209 55PML1	WSE090209 55JAW1	WSE090210 27JAW1	WSE090213 00PML1	WSE090213 20PML1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.7	3.6	3.7	4.3	3.9	3.8	3.8	3.7	3.9	4	3.9	3.9	3.8	3.5	4.2	4.1
Metals																	
Antimony	mg/l	< 0.002	0.00022	0.00019	< 0.002	< 0.002	0.00029	0.00022	0.00016	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0015	0.0016	0.0014	0.0014	0.0013	0.0014	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013	0.0011	0.0037	0.0013	0.0013
Barium	mg/l	0.061	0.063	0.064	0.062	0.06	0.062	0.065	0.062	0.058	0.055	0.056	0.059	0.062	0.66	0.056	0.058
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00012	< 0.001	< 0.001	0.0001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.00033	0.00033	0.00032	0.00032	0.0003	0.00033	0.00031	0.00036	< 0.005	0.00032	< 0.005	0.00033	< 0.005	< 0.005	0.00029	0.00032
Copper	mg/l	0.0012	0.0014	0.0011	0.001	0.00098	0.0011	0.001	0.005	0.00095	0.00085	0.0011	0.00094	0.00077	0.0028	0.00096	0.001
Hardness	mg/l	290	290	290	300	290	290	300	290	290	270	280	290	290	300	270	280
Iron	mg/l	0.37	0.37	0.29	0.2	0.2	0.39	0.26	0.18	0.18	0.2	0.19	0.18	0.2	1.3	0.18	0.22
Lead	mg/l	0.00077	0.00065	0.00046	0.0004	0.00037	0.0007	0.00037	0.00073	< 0.003	0.00042	< 0.003	0.00041	< 0.003	< 0.003	0.00033	0.00043
Manganese	mg/l	0.074	0.088	0.078	0.065	0.061	0.096	0.07	0.053	0.062	0.06	0.062	0.064	0.063	0.45	0.048	0.057
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	0.0012	0.0011	< 0.005	< 0.005	0.001	0.0012	0.0012	< 0.005	0.0011	< 0.005	0.0011	< 0.005	< 0.005	0.0011	0.0011
Nickel	mg/l	< 0.005	0.00015	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.044	< 0.005	< 0.005	0.00019	< 0.005	< 0.005	0.0004	< 0.005	< 0.005
Selenium	mg/l	< 0.005	0.00062	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00062	< 0.005	0.00071	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00034	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00035	0.00037	0.00022	0.00038	0.0002	0.00036	0.00024	0.00023	< 0.004	0.00026	0.00036	0.00025	0.0002	0.00057	0.00024	0.00033
Zinc	mg/l	0.0036	0.0058	0.007	0.0033	0.0018	0.0058	0.0025	0.0051	0.0018	0.0022	0.0024	0.0026	0.0015	0.013	0.0087	0.0039
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/1/2010 2:20 PM	9/1/2010 2:30 PM	9/1/2010 2:30 PM	9/1/2010 2:45 PM	9/1/2010 3:06 PM	9/1/2010 3:20 PM	9/1/2010 4:22 PM	9/1/2010 5:00 PM	9/2/2010 9:00 AM	9/2/2010 9:25 AM	9/2/2010 9:30 AM	9/2/2010 9:55 AM	9/2/2010 9:55 AM	9/2/2010 10:27 AM	9/2/2010 1:00 PM	9/2/2010 1:20 PM
	Sample	WSE090114 20MHS1	WSE090114 30JAW1	WSE090114 30JAW2	WSE090114 45MHS1	WSE090115 06MHS1	WSE090115 20PML1	WSE090116 22PML1	WSE090117 00RRS1	WSE090209 00PML1	WSE090209 25PML1	WSE090209 30MHS1	WSE090209 55PML1	WSE090209 55JAW1	WSE090210 27JAW1	WSE090213 00PML1	WSE090213 20PML1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	14	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/1/2010 2:20 PM	9/1/2010 2:30 PM	9/1/2010 2:30 PM	9/1/2010 2:45 PM	9/1/2010 3:06 PM	9/1/2010 3:20 PM	9/1/2010 4:22 PM	9/1/2010 5:00 PM	9/2/2010 9:00 AM	9/2/2010 9:25 AM	9/2/2010 9:30 AM	9/2/2010 9:55 AM	9/2/2010 9:55 AM	9/2/2010 10:27 AM	9/2/2010 1:00 PM	9/2/2010 1:20 PM
	Sample	WSE090114 20MHS1	WSE090114 30JAW1	WSE090114 30JAW2	WSE090114 45MHS1	WSE090115 06MHS1	WSE090115 20PML1	WSE090116 22PML1	WSE090117 00RRS1	WSE090209 00PML1	WSE090209 25PML1	WSE090209 30MHS1	WSE090209 55PML1	WSE090209 55JAW1	WSE090210 27JAW1	WSE090213 00PML1	WSE090213 20PML1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	8.5	5.5	< 6	5	< 6	< 6	< 6	< 6	7	5.5	5	5.5	< 6	11	8	9
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	2	< 20	< 20	2.3	15	< 20	< 20	2.9	< 20	< 20	0.73	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/1/2010 2:20 PM	9/1/2010 2:30 PM	9/1/2010 2:30 PM	9/1/2010 2:45 PM	9/1/2010 3:06 PM	9/1/2010 3:20 PM	9/1/2010 4:22 PM	9/1/2010 5:00 PM	9/2/2010 9:00 AM	9/2/2010 9:25 AM	9/2/2010 9:30 AM	9/2/2010 9:55 AM	9/2/2010 9:55 AM	9/2/2010 10:27 AM	9/2/2010 1:00 PM	9/2/2010 1:20 PM
	Sample	WSE090114 20MHS1	WSE090114 30JAW1	WSE090114 30JAW2	WSE090114 45MHS1	WSE090115 06MHS1	WSE090115 20PML1	WSE090116 22PML1	WSE090117 00RRS1	WSE090209 00PML1	WSE090209 25PML1	WSE090209 30MHS1	WSE090209 55PML1	WSE090209 55JAW1	WSE090210 27JAW1	WSE090213 00PML1	WSE090213 20PML1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	0.3	0.39	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/2/2010 1:40 PM	9/2/2010 2:10 PM	9/2/2010 2:20 PM	9/2/2010 2:42 PM	9/2/2010 2:46 PM	9/2/2010 3:05 PM	9/2/2010 3:33 PM	9/3/2010 8:25 AM	9/3/2010 8:45 AM	9/3/2010 9:05 AM	9/3/2010 9:25 AM	9/3/2010 9:30 AM	9/3/2010 9:55 AM	9/3/2010 9:57 AM	9/3/2010 10:10 AM	9/3/2010 10:10 AM
	Sample	WSE090213 40PML1	WSE090214 10MHS1	WSE090214 20MHS1	WSE090214 42JRP1	WSE090214 46JAW1	WSE090215 05MHS1	WSE090215 33JRP1	WSE090308 25PML1	WSE090308 45PML1	WSE090309 05PML1	WSE090309 25JAW1	WSE090309 30MHS1	WSE090309 55JRP1	WSE090309 57JAW1	WSE090310 10PML1	WSE090310 10MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	14	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	0.28	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.32	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/2/2010 1:40 PM	9/2/2010 2:10 PM	9/2/2010 2:20 PM	9/2/2010 2:42 PM	9/2/2010 2:46 PM	9/2/2010 3:05 PM	9/2/2010 3:33 PM	9/3/2010 8:25 AM	9/3/2010 8:45 AM	9/3/2010 9:05 AM	9/3/2010 9:25 AM	9/3/2010 9:30 AM	9/3/2010 9:55 AM	9/3/2010 9:57 AM	9/3/2010 10:10 AM	9/3/2010 10:10 AM
	Sample	WSE090213 40PML1	WSE090214 10MHS1	WSE090214 20MHS1	WSE090214 42JRP1	WSE090214 46JAW1	WSE090215 05MHS1	WSE090215 33JRP1	WSE090308 25PML1	WSE090308 45PML1	WSE090309 05PML1	WSE090309 25JAW1	WSE090309 30MHS1	WSE090309 55JRP1	WSE090309 57JAW1	WSE090310 10PML1	WSE090310 10MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	14	7.5	7.5	< 6	< 6	7	5.5	6	6.5	7.5	< 6	14	10	7.5	16	8
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	2.5	< 20	< 20	< 20	< 20	< 20	< 20	1.8	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/2/2010 1:40 PM	9/2/2010 2:10 PM	9/2/2010 2:20 PM	9/2/2010 2:42 PM	9/2/2010 2:46 PM	9/2/2010 3:05 PM	9/2/2010 3:33 PM	9/3/2010 8:25 AM	9/3/2010 8:45 AM	9/3/2010 9:05 AM	9/3/2010 9:25 AM	9/3/2010 9:30 AM	9/3/2010 9:55 AM	9/3/2010 9:57 AM	9/3/2010 10:10 AM	9/3/2010 10:10 AM
	Sample	WSE090213 40PML1	WSE090214 10MHS1	WSE090214 20MHS1	WSE090214 42JRP1	WSE090214 46JAW1	WSE090215 05MHS1	WSE090215 33JRP1	WSE090308 25PML1	WSE090308 45PML1	WSE090309 05PML1	WSE090309 25JAW1	WSE090309 30MHS1	WSE090309 55JRP1	WSE090309 57JAW1	WSE090310 10PML1	WSE090310 10MHS1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	0.26	< 1	0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 10:25 AM	9/3/2010 10:25 AM	9/3/2010 10:45 AM	9/3/2010 10:52 AM	9/3/2010 2:15 PM	9/3/2010 2:17 PM	9/3/2010 2:25 PM	9/3/2010 2:43 PM	9/3/2010 3:58 PM	9/3/2010 4:10 PM	9/3/2010 4:30 PM	9/4/2010 8:51 AM	9/4/2010 9:15 AM	9/4/2010 9:40 AM	9/4/2010 9:40 AM	9/4/2010 9:50 AM
	Sample	WSE090310 25PML1	WSE090310 25JAW1	WSE090310 45PML1	WSE090310 52MHS1	WSE090314 15PML1	WSE090314 17JAW1	WSE090314 25MHS1	WSE090314 43JAW1	WSE090315 58MHS1	WSE090316 10PML1	WSE090316 30PML1	WSE090408 51JAW1	WSE090409 15PML1	WSE090409 40MHS1	WSE090409 40JAW1	WSE090409 50PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.9	5.9	3.9	3.9	4.2	4.1	3.8	4.1	3.9	4.3	4.5	3.7	3.8	3.8	3.8	3.8
Metals																	
Antimony	mg/l	0.00025	0.00025	0.00021	< 0.002	0.00018	0.00024	0.00014	0.0002	< 0.002	0.00021	0.00017	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0015	0.0018	0.0014	0.0015	0.0014	0.0014	0.0015	0.0016	0.0013	0.0014	0.0013	0.0014	0.0015	0.0012	0.0014	0.0026
Barium	mg/l	0.068	0.11	0.064	0.061	0.066	0.065	0.065	0.074	0.062	0.071	0.069	0.06	0.061	0.062	0.061	0.071
Beryllium	mg/l	0.00006	0.000058	0.000046	< 0.001	< 0.001	0.000056	< 0.001	0.000051	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00016
Chromium (Total)	mg/l	0.00077	0.0013	0.00091	0.00055	0.00062	0.0015	0.00051	0.00097	0.00054	0.00061	0.0018	0.00039	0.00062	0.0006	0.00045	0.0055
Cobalt	mg/l	0.00036	0.00069	0.00034	0.00032	0.0004	0.0024	0.00034	0.00039	0.00032	0.00035	0.00036	0.0003	0.00034	0.00032	0.0003	0.00072
Copper	mg/l	0.0015	0.0013	0.0011	0.0011	0.00092	0.0017	0.001	0.0013	0.0011	0.0011	0.0036	0.0017	0.0019	0.0011	0.0014	0.0034
Hardness	mg/l	290	280	280	280	280	270	290	260	280	300	280	250	260	270	250	270
Iron	mg/l	0.3	0.7	0.33	0.22	0.26	0.48	0.24	0.53	0.24	0.27	0.35	0.3	0.45	0.27	0.34	2.3
Lead	mg/l	0.00064	0.0012	0.00071	0.00044	0.00055	0.00074	0.00045	0.00087	0.00043	0.00057	0.00067	0.00044	0.00075	0.00055	0.00056	0.0042
Manganese	mg/l	0.077	0.14	0.076	0.059	0.069	0.079	0.059	0.097	0.057	0.072	0.072	0.048	0.067	0.057	0.052	0.15
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	0.00099	< 0.005	< 0.005	0.0011	< 0.005	0.001	< 0.005	< 0.005	< 0.005	< 0.005	0.0011	< 0.005	< 0.005
Nickel	mg/l	0.00085	0.0011	0.0008	0.00052	0.00064	0.00089	0.00079	0.00091	0.00066	0.0013	0.0014	0.00044	0.00046	< 0.005	0.00049	0.0019
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00077	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	0.000041	< 0.0002	< 0.0002	0.000028	< 0.0002	0.000019	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.0004	0.00049	0.00037	0.00047	0.00022	0.00058	0.00039	0.00042	0.00046	0.00036	0.00045	< 0.004	< 0.004	0.00046	< 0.004	< 0.004
Zinc	mg/l	0.0033	0.0064	0.0034	0.0021	0.0024	0.0056	0.0024	0.0052	0.0036	0.0029	0.0063	0.0029	0.0034	0.0027	0.0026	0.021
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 10:25 AM	9/3/2010 10:25 AM	9/3/2010 10:45 AM	9/3/2010 10:52 AM	9/3/2010 2:15 PM	9/3/2010 2:17 PM	9/3/2010 2:25 PM	9/3/2010 2:43 PM	9/3/2010 3:58 PM	9/3/2010 4:10 PM	9/3/2010 4:30 PM	9/4/2010 8:51 AM	9/4/2010 9:15 AM	9/4/2010 9:40 AM	9/4/2010 9:40 AM	9/4/2010 9:50 AM
	Sample	WSE090310 25PML1	WSE090310 25JAW1	WSE090310 45PML1	WSE090310 52MHS1	WSE090314 15PML1	WSE090314 17JAW1	WSE090314 25MHS1	WSE090314 43JAW1	WSE090315 58MHS1	WSE090316 10PML1	WSE090316 30PML1	WSE090408 51JAW1	WSE090409 15PML1	WSE090409 40MHS1	WSE090409 40JAW1	WSE090409 50PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.29
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 10:25 AM	9/3/2010 10:25 AM	9/3/2010 10:45 AM	9/3/2010 10:52 AM	9/3/2010 2:15 PM	9/3/2010 2:17 PM	9/3/2010 2:25 PM	9/3/2010 2:43 PM	9/3/2010 3:58 PM	9/3/2010 4:10 PM	9/3/2010 4:30 PM	9/4/2010 8:51 AM	9/4/2010 9:15 AM	9/4/2010 9:40 AM	9/4/2010 9:40 AM	9/4/2010 9:50 AM
	Sample	WSE090310 25PML1	WSE090310 25JAW1	WSE090310 45PML1	WSE090310 52MHS1	WSE090314 15PML1	WSE090314 17JAW1	WSE090314 25MHS1	WSE090314 43JAW1	WSE090315 58MHS1	WSE090316 10PML1	WSE090316 30PML1	WSE090408 51JAW1	WSE090409 15PML1	WSE090409 40MHS1	WSE090409 40JAW1	WSE090409 50PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7.9	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	15	42	19	11	18	10	8.5	16	8	22	23	< 6	12	12	< 6	48
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/3/2010 10:25 AM	9/3/2010 10:25 AM	9/3/2010 10:45 AM	9/3/2010 10:52 AM	9/3/2010 2:15 PM	9/3/2010 2:17 PM	9/3/2010 2:25 PM	9/3/2010 2:43 PM	9/3/2010 3:58 PM	9/3/2010 4:10 PM	9/3/2010 4:30 PM	9/4/2010 8:51 AM	9/4/2010 9:15 AM	9/4/2010 9:40 AM	9/4/2010 9:40 AM	9/4/2010 9:50 AM
	Sample	WSE090310 25PML1	WSE090310 25JAW1	WSE090310 45PML1	WSE090310 52MHS1	WSE090314 15PML1	WSE090314 17JAW1	WSE090314 25MHS1	WSE090314 43JAW1	WSE090315 58MHS1	WSE090316 10PML1	WSE090316 30PML1	WSE090408 51JAW1	WSE090409 15PML1	WSE090409 40MHS1	WSE090409 40JAW1	WSE090409 50PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/4/2010 10:25 AM	9/4/2010 10:50 AM	9/4/2010 10:55 AM	9/4/2010 10:55 AM	9/4/2010 1:30 PM	9/4/2010 2:10 PM	9/4/2010 2:25 PM	9/4/2010 3:15 PM	9/4/2010 4:00 PM	9/4/2010 4:50 PM	9/5/2010 8:50 AM	9/5/2010 9:00 AM	9/5/2010 9:10 AM	9/5/2010 9:15 AM	9/5/2010 9:45 AM	9/5/2010 10:30 AM
	Sample	WSE090410 25JAW1	WSE090410 50JRP1	WSE090410 55MHS1	WSE090410 55MHS2	WSE090413 30PML1	WSE090414 10MHS1	WSE090414 25JAW3	WSE090415 15MHS1	WSE090416 00MHS1	WSE090416 50MHS1	WSE090508 50PML1	WSE090509 00JAW1	WSE090509 10PML1	WSE090509 15MHS1	WSE090509 45MHS1	WSE090510 30MHS3
Analyte	Units	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	47	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.29	0.31	< 5	< 5	0.31
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/4/2010 10:25 AM	9/4/2010 10:50 AM	9/4/2010 10:55 AM	9/4/2010 10:55 AM	9/4/2010 1:30 PM	9/4/2010 2:10 PM	9/4/2010 2:25 PM	9/4/2010 3:15 PM	9/4/2010 4:00 PM	9/4/2010 4:50 PM	9/5/2010 8:50 AM	9/5/2010 9:00 AM	9/5/2010 9:10 AM	9/5/2010 9:15 AM	9/5/2010 9:45 AM	9/5/2010 10:30 AM
	Sample	WSE090410 25JAW1	WSE090410 50JRP1	WSE090410 55MHS1	WSE090410 55MHS2	WSE090413 30PML1	WSE090414 10MHS1	WSE090414 25JAW3	WSE090415 15MHS1	WSE090416 00MHS1	WSE090416 50MHS1	WSE090508 50PML1	WSE090509 00JAW1	WSE090509 10PML1	WSE090509 15MHS1	WSE090509 45MHS1	WSE090510 30MHS3
Analyte	Units	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	8.5	< 6	13	14	23	7	17	12	9	10	< 6	< 6	< 6	6	5.5	5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/4/2010 10:25 AM	9/4/2010 10:50 AM	9/4/2010 10:55 AM	9/4/2010 10:55 AM	9/4/2010 1:30 PM	9/4/2010 2:10 PM	9/4/2010 2:25 PM	9/4/2010 3:15 PM	9/4/2010 4:00 PM	9/4/2010 4:50 PM	9/5/2010 8:50 AM	9/5/2010 9:00 AM	9/5/2010 9:10 AM	9/5/2010 9:15 AM	9/5/2010 9:45 AM	9/5/2010 10:30 AM
	Sample	WSE090410 25JAW1	WSE090410 50JRP1	WSE090410 55MHS1	WSE090410 55MHS2	WSE090413 30PML1	WSE090414 10MHS1	WSE090414 25JAW3	WSE090415 15MHS1	WSE090416 00MHS1	WSE090416 50MHS1	WSE090508 50PML1	WSE090509 00JAW1	WSE090509 10PML1	WSE090509 15MHS1	WSE090509 45MHS1	WSE090510 30MHS3
Analyte	Units	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	0.27	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/5/2010 10:30 AM	9/5/2010 10:45 AM	9/5/2010 11:00 AM	9/5/2010 11:10 AM	9/5/2010 1:52 PM	9/5/2010 2:15 PM	9/5/2010 2:15 PM	9/6/2010 9:30 AM	9/6/2010 9:45 AM	9/6/2010 9:58 AM	9/6/2010 10:05 AM	9/6/2010 10:15 AM	9/6/2010 10:30 AM	9/6/2010 10:45 AM	9/6/2010 10:45 AM	9/6/2010 11:15 AM
	Sample	WSE090510 30JAW1	WSE090510 45JRP1	WSE090511 00PML1	WSE090511 10JAW1	WSE090513 52MHS1	WSE090514 15PML1	WSE090514 15JAW1	WSE090609 30MHS1	WSE090609 45JAW1	WSE090609 58PML1	WSE090610 05MHS1	WSE090610 15PML1	WSE090610 30PML1	WSE090610 45MHS1	WSE090610 45JAW1	WSE090611 15JAW1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.9	4	3.8	4	3.9	3.9	3.8	3.9	3.9	4	3.8	4.1	4	3.9	3.9	4
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0014	0.0018	0.0015	0.0014	0.0014	0.0018	0.0016	0.0013	0.0011	0.0015	0.0013	0.0013	0.0013	0.0014	0.0012	0.0012
Barium	mg/l	0.061	0.062	0.061	0.061	0.058	0.063	0.061	0.062	0.064	0.064	0.061	0.065	0.061	0.059	0.063	0.064
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00022	0.00028	0.00028	0.0002	0.00026	0.00051	0.00046	0.00048	0.00026	0.00043	0.00044	0.00049	0.00044	0.00032	0.00039	0.00032
Cobalt	mg/l	0.00029	0.0003	0.00032	0.00029	0.00031	0.00033	0.00033	0.00027	0.00024	0.00025	0.00026	0.00027	0.00027	0.00027	0.00025	0.00025
Copper	mg/l	0.0013	0.0011	0.0013	0.001	0.002	0.0013	0.0012	0.00083	0.00059	0.00077	0.0008	0.00079	0.00079	0.00077	0.00064	0.00061
Hardness	mg/l	260	270	270	260	260	280	260	300	290	290	290	290	290	290	290	300
Iron	mg/l	0.24	0.3	0.29	0.22	0.21	0.43	0.37	0.35	0.25	0.31	0.32	0.34	0.32	0.24	0.28	0.26
Lead	mg/l	0.00028	0.00033	0.00041	0.00026	0.00041	0.00065	0.00052	0.0006	0.00028	0.00049	0.00049	0.00055	0.00053	0.00042	0.00034	0.00032
Manganese	mg/l	0.045	0.058	0.053	0.041	0.04	0.069	0.054	0.069	0.05	0.063	0.066	0.066	0.063	0.048	0.057	0.053
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00093	< 0.005	< 0.005	0.00096	< 0.005	< 0.005	0.001	< 0.005	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00054	0.00044	0.00062	0.00052	0.00052	0.0006	0.00053	0.00058	0.00045
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.0005	0.00049	0.00052	0.00049	0.00048	0.0005	0.00044	0.00037	0.00038
Zinc	mg/l	0.0013	0.0028	0.0045	0.0015	0.0025	0.0032	0.0026	0.0016	< 0.01	0.0017	0.0017	0.0023	0.002	< 0.01	0.0018	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/5/2010 10:30 AM	9/5/2010 10:45 AM	9/5/2010 11:00 AM	9/5/2010 11:10 AM	9/5/2010 1:52 PM	9/5/2010 2:15 PM	9/5/2010 2:15 PM	9/6/2010 9:30 AM	9/6/2010 9:45 AM	9/6/2010 9:58 AM	9/6/2010 10:05 AM	9/6/2010 10:15 AM	9/6/2010 10:30 AM	9/6/2010 10:45 AM	9/6/2010 10:45 AM	9/6/2010 11:15 AM
	Sample	WSE090510 30JAW1	WSE090510 45JRP1	WSE090511 00PML1	WSE090511 10JAW1	WSE090513 52MHS1	WSE090514 15PML1	WSE090514 15JAW1	WSE090609 30MHS1	WSE090609 45JAW1	WSE090609 58PML1	WSE090610 05MHS1	WSE090610 15PML1	WSE090610 30PML1	WSE090610 45MHS1	WSE090610 45JAW1	WSE090611 15JAW1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	0.28	< 5	0.32	0.26	< 5	0.3	0.28	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/5/2010 10:30 AM	9/5/2010 10:45 AM	9/5/2010 11:00 AM	9/5/2010 11:10 AM	9/5/2010 1:52 PM	9/5/2010 2:15 PM	9/5/2010 2:15 PM	9/6/2010 9:30 AM	9/6/2010 9:45 AM	9/6/2010 9:58 AM	9/6/2010 10:05 AM	9/6/2010 10:15 AM	9/6/2010 10:30 AM	9/6/2010 10:45 AM	9/6/2010 10:45 AM	9/6/2010 11:15 AM
	Sample	WSE090510 30JAW1	WSE090510 45JRP1	WSE090511 00PML1	WSE090511 10JAW1	WSE090513 52MHS1	WSE090514 15PML1	WSE090514 15JAW1	WSE090609 30MHS1	WSE090609 45JAW1	WSE090609 58PML1	WSE090610 05MHS1	WSE090610 15PML1	WSE090610 30PML1	WSE090610 45MHS1	WSE090610 45JAW1	WSE090611 15JAW1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	< 6	< 6	< 6	5.5	6	6	5	< 6	< 6	6	6	5	6	< 6	7
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/5/2010 10:30 AM	9/5/2010 10:45 AM	9/5/2010 11:00 AM	9/5/2010 11:10 AM	9/5/2010 1:52 PM	9/5/2010 2:15 PM	9/5/2010 2:15 PM	9/6/2010 9:30 AM	9/6/2010 9:45 AM	9/6/2010 9:58 AM	9/6/2010 10:05 AM	9/6/2010 10:15 AM	9/6/2010 10:30 AM	9/6/2010 10:45 AM	9/6/2010 10:45 AM	9/6/2010 11:15 AM
	Sample	WSE090510 30JAW1	WSE090510 45JRP1	WSE090511 00PML1	WSE090511 10JAW1	WSE090513 52MHS1	WSE090514 15PML1	WSE090514 15JAW1	WSE090609 30MHS1	WSE090609 45JAW1	WSE090609 58PML1	WSE090610 05MHS1	WSE090610 15PML1	WSE090610 30PML1	WSE090610 45MHS1	WSE090610 45JAW1	WSE090611 15JAW1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 1:55 PM	9/6/2010 1:55 PM	9/6/2010 2:10 PM	9/6/2010 2:10 PM	9/6/2010 2:25 PM	9/6/2010 2:40 PM	9/6/2010 2:45 PM	9/6/2010 3:35 PM	9/7/2010 9:07 AM	9/7/2010 9:45 AM	9/7/2010 10:15 AM	9/7/2010 10:20 AM	9/7/2010 10:30 AM	9/7/2010 10:45 AM	9/7/2010 10:45 AM	9/7/2010 10:50 AM
	Sample	WSE090613 55PML1	WSE090613 55MHS1	WSE090614 10PML1	WSE090614 10JAW1	WSE090614 25PML1	WSE090614 40JAW1	WSE090614 45MHS1	WSE090615 35JRP1	WSE090709 07PML1	WSE090709 45PML1	WSE090710 15RCM1	WSE090710 20JRP1	WSE090710 30PML1	WSE090710 45RCM1	WSE090710 45RCM2	WSE090710 50JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result
Carbon																	
Total Organic Carbon	mg/l	3.9	3.9	4.1	3.9	3.9	3.8	3.9	3.8	3.8	3.8	3.9	3.5	4.1	4.1	4	3.6
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0013	0.0012	0.0013	0.0013	0.0014	0.0014	0.0014	0.0013	0.0015	0.0014	0.0014	0.0014	0.0015	0.0014	0.0013	0.0017
Barium	mg/l	0.061	0.058	0.06	0.064	0.06	0.064	0.061	0.061	0.069	0.069	0.069	0.075	0.068	0.068	0.068	0.08
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00049	0.00025	0.00046	0.00047	0.0006	0.00046	0.0005	0.00038	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.00027	0.00026	0.00026	0.00026	0.00027	0.00026	0.00028	0.00027	0.00032	0.00032	0.00032	0.00033	0.00032	0.00032	0.00032	0.00039
Copper	mg/l	0.00082	0.00071	0.00078	0.0022	0.0011	0.00072	0.00088	0.0012	0.0014	0.0013	0.0013	0.0012	0.0013	0.0012	0.0011	0.0016
Hardness	mg/l	290	290	290	300	290	300	280	300	330	330	320	340	320	330	330	350
Iron	mg/l	0.31	0.19	0.33	0.29	0.36	0.33	0.3	0.32	0.34	0.4	0.33	0.47	0.37	0.24	0.26	0.77
Lead	mg/l	0.00049	0.00032	0.00054	0.00036	0.00063	0.00042	0.00054	0.00041	0.00058	0.00058	0.00065	0.00065	0.0006	0.00042	0.00045	0.0011
Manganese	mg/l	0.063	0.041	0.064	0.051	0.065	0.058	0.059	0.072	0.064	0.068	0.064	0.086	0.07	0.061	0.063	0.098
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000022	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	0.00096	< 0.005	< 0.005	< 0.005	< 0.005	0.0012	0.001	< 0.005	< 0.005	< 0.005	0.001	< 0.005	< 0.005	< 0.005	0.00097
Nickel	mg/l	0.00052	0.00055	0.00051	0.00071	0.00071	0.00065	0.00062	0.00053	0.00077	0.00085	0.00078	0.00073	0.00075	0.00085	0.00084	0.0009
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000063	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00017	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00042	0.00057	0.00044	0.00041	0.00046	0.00047	0.00044	0.00045	0.00057	0.00047	0.00046	0.00043	0.00052	0.00047	0.00046	0.00054
Zinc	mg/l	0.0015	< 0.01	0.0018	0.0043	0.0022	0.0014	0.0022	0.0025	< 0.01	< 0.01	< 0.01	0.0027	< 0.01	< 0.01	< 0.01	0.0045
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 1:55 PM	9/6/2010 1:55 PM	9/6/2010 2:10 PM	9/6/2010 2:10 PM	9/6/2010 2:25 PM	9/6/2010 2:40 PM	9/6/2010 2:45 PM	9/6/2010 3:35 PM	9/7/2010 9:07 AM	9/7/2010 9:45 AM	9/7/2010 10:15 AM	9/7/2010 10:20 AM	9/7/2010 10:30 AM	9/7/2010 10:45 AM	9/7/2010 10:45 AM	9/7/2010 10:50 AM
	Sample	WSE090613 55PML1	WSE090613 55MHS1	WSE090614 10PML1	WSE090614 10JAW1	WSE090614 25PML1	WSE090614 40JAW1	WSE090614 45MHS1	WSE090615 35JRP1	WSE090709 07PML1	WSE090709 45PML1	WSE090710 15RCM1	WSE090710 20JRP1	WSE090710 30PML1	WSE090710 45RCM1	WSE090710 45RCM2	WSE090710 50JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 1:55 PM	9/6/2010 1:55 PM	9/6/2010 2:10 PM	9/6/2010 2:10 PM	9/6/2010 2:25 PM	9/6/2010 2:40 PM	9/6/2010 2:45 PM	9/6/2010 3:35 PM	9/7/2010 9:07 AM	9/7/2010 9:45 AM	9/7/2010 10:15 AM	9/7/2010 10:20 AM	9/7/2010 10:30 AM	9/7/2010 10:45 AM	9/7/2010 10:45 AM	9/7/2010 10:50 AM
	Sample	WSE090613 55PML1	WSE090613 55MHS1	WSE090614 10PML1	WSE090614 10JAW1	WSE090614 25PML1	WSE090614 40JAW1	WSE090614 45MHS1	WSE090615 35JRP1	WSE090709 07PML1	WSE090709 45PML1	WSE090710 15RCM1	WSE090710 20JRP1	WSE090710 30PML1	WSE090710 45RCM1	WSE090710 45RCM2	WSE090710 50JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	7	< 6	< 6	6.5	< 6	5	< 6	7	7	18	< 6	9.5	11	13	20
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/6/2010 1:55 PM	9/6/2010 1:55 PM	9/6/2010 2:10 PM	9/6/2010 2:10 PM	9/6/2010 2:25 PM	9/6/2010 2:40 PM	9/6/2010 2:45 PM	9/6/2010 3:35 PM	9/7/2010 9:07 AM	9/7/2010 9:45 AM	9/7/2010 10:15 AM	9/7/2010 10:20 AM	9/7/2010 10:30 AM	9/7/2010 10:45 AM	9/7/2010 10:45 AM	9/7/2010 10:50 AM
	Sample	WSE090613 55PML1	WSE090613 55MHS1	WSE090614 10PML1	WSE090614 10JAW1	WSE090614 25PML1	WSE090614 40JAW1	WSE090614 45MHS1	WSE090615 35JRP1	WSE090709 07PML1	WSE090709 45PML1	WSE090710 15RCM1	WSE090710 20JRP1	WSE090710 30PML1	WSE090710 45RCM1	WSE090710 45RCM2	WSE090710 50JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

	Date Collected	9/7/2010 11:35 AM	9/7/2010 11:50 AM	9/7/2010 11:52 AM	9/7/2010 12:18 PM	9/8/2010 8:45 AM	9/8/2010 8:55 AM	9/8/2010 9:15 AM	9/8/2010 9:20 AM	9/8/2010 9:44 AM	9/8/2010 9:50 AM	9/8/2010 10:55 AM	9/8/2010 11:00 AM	9/8/2010 11:22 AM	9/8/2010 11:40 AM	9/8/2010 11:41 AM	9/8/2010 2:17 PM
	Sample	WSE090711 35RCM1	WSE090711 50KAP1	WSE090711 52RCM1	WSE090712 18RCM1	WSE090808 45RCM1	WSE090808 55PML1	WSE090809 15RCM1	WSE090809 20PML1	WSE090809 44PML1	WSE090809 50RCM1	WSE090810 55PML1	WSE090811 00RCM3	WSE090811 22PML1	WSE090811 40JRP1	WSE090811 41PML1	WSE090814 17KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.9	3.5	3.8	3.8	4.2	3.8	4.3	3.8	3.7	4.3	3.9	4.2	3.9	3.5	3.9	4.9
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00017	< 0.002	0.00016	0.00016	< 0.002	0.00015	0.00023	< 0.002	0.00015	< 0.002	< 0.002
Arsenic	mg/l	0.0015	0.0015	0.0017	0.0014	0.0015	0.0014	0.0018	0.0014	0.0013	0.0013	0.0014	0.0016	0.0016	0.0014	0.0016	0.0015
Barium	mg/l	0.071	0.071	0.071	0.071	0.07	0.067	0.071	0.068	0.07	0.068	0.071	0.068	0.069	0.071	0.069	0.07
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00014	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	0.00099	0.00055	0.00089	0.0006	0.00068	0.00081	0.00067	0.00061	0.00064	0.00044	0.0006	0.0005
Cobalt	mg/l	0.00032	0.00031	0.00035	0.00032	0.00039	0.00037	0.0004	0.00035	0.00037	0.00039	0.00037	0.00042	0.00038	0.00034	0.00037	0.00037
Copper	mg/l	0.0011	0.001	0.0011	0.0011	0.0014	0.0014	0.0014	0.0012	0.0012	0.0013	0.0012	0.0011	0.0012	0.0011	0.0012	0.0011
Hardness	mg/l	330	330	340	330	310	320	330	320	330	320	330	320	320	330	320	320
Iron	mg/l	0.35	0.38	0.34	0.33	0.53	0.35	0.52	0.38	0.4	0.48	0.42	0.34	0.39	0.32	0.39	0.41
Lead	mg/l	0.00053	0.00045	0.00055	0.00052	0.0011	0.00066	0.001	0.00072	0.00077	0.00093	0.00078	0.00065	0.00072	0.00041	0.00076	0.00053
Manganese	mg/l	0.075	0.082	0.074	0.072	0.057	0.048	0.048	0.11	0.046	0.042	0.045	0.046	0.042	0.067	0.045	0.083
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000052	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	0.0018	0.0012	0.001	< 0.005	0.0011	< 0.005	< 0.005	0.0011	< 0.005	0.0021	< 0.005	< 0.005	< 0.005	0.0011
Nickel	mg/l	0.00072	0.00071	0.00082	0.00067	0.00097	0.00067	0.0009	0.00072	0.00083	0.0009	0.00074	0.00077	0.0054	0.00055	0.002	0.00087
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	0.00081	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	0.000014	< 0.0002	< 0.0002	0.000018	< 0.0002	0.000017	0.000019	< 0.0002	0.000021	< 0.0002	0.000018	0.000032	0.000019	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	0.00021	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00023	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.0005	0.00035	0.00055	0.00036	0.00067	0.00061	0.00073	0.00059	0.00063	0.0007	0.00069	0.00059	0.00054	0.00055	0.00058	0.0004
Zinc	mg/l	< 0.01	< 0.01	0.002	0.0034	0.0086	0.0028	0.0041	0.0052	0.0042	0.0037	0.0031	0.0025	0.003	0.0024	0.0052	0.0027
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/7/2010 11:35 AM	9/7/2010 11:50 AM	9/7/2010 11:52 AM	9/7/2010 12:18 PM	9/8/2010 8:45 AM	9/8/2010 8:55 AM	9/8/2010 9:15 AM	9/8/2010 9:20 AM	9/8/2010 9:44 AM	9/8/2010 9:50 AM	9/8/2010 10:55 AM	9/8/2010 11:00 AM	9/8/2010 11:22 AM	9/8/2010 11:40 AM	9/8/2010 11:41 AM	9/8/2010 2:17 PM
	Sample	WSE090711 35RCM1	WSE090711 50KAP1	WSE090711 52RCM1	WSE090712 18RCM1	WSE090808 45RCM1	WSE090808 55PML1	WSE090809 15RCM1	WSE090809 20PML1	WSE090809 44PML1	WSE090809 50RCM1	WSE090810 55PML1	WSE090811 00RCM3	WSE090811 22PML1	WSE090811 40JRP1	WSE090811 41PML1	WSE090814 17KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.42	0.42	< 5	< 5	< 5	< 5	0.42	0.42
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.1
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

	Date Collected	9/7/2010 11:35 AM	9/7/2010 11:50 AM	9/7/2010 11:52 AM	9/7/2010 12:18 PM	9/8/2010 8:45 AM	9/8/2010 8:55 AM	9/8/2010 9:15 AM	9/8/2010 9:20 AM	9/8/2010 9:44 AM	9/8/2010 9:50 AM	9/8/2010 10:55 AM	9/8/2010 11:00 AM	9/8/2010 11:22 AM	9/8/2010 11:40 AM	9/8/2010 11:41 AM	9/8/2010 2:17 PM
	Sample	WSE090711 35RCM1	WSE090711 50KAP1	WSE090711 52RCM1	WSE090712 18RCM1	WSE090808 45RCM1	WSE090808 55PML1	WSE090809 15RCM1	WSE090809 20PML1	WSE090809 44PML1	WSE090809 50RCM1	WSE090810 55PML1	WSE090811 00RCM3	WSE090811 22PML1	WSE090811 40JRP1	WSE090811 41PML1	WSE090814 17KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	< 6	< 6	5.5	12	6.5	13	8.5	6	10	7	6.5	< 6	< 6	7.5	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.36	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/7/2010 11:35 AM	9/7/2010 11:50 AM	9/7/2010 11:52 AM	9/7/2010 12:18 PM	9/8/2010 8:45 AM	9/8/2010 8:55 AM	9/8/2010 9:15 AM	9/8/2010 9:20 AM	9/8/2010 9:44 AM	9/8/2010 9:50 AM	9/8/2010 10:55 AM	9/8/2010 11:00 AM	9/8/2010 11:22 AM	9/8/2010 11:40 AM	9/8/2010 11:41 AM	9/8/2010 2:17 PM
	Sample	WSE090711 35RCM1	WSE090711 50KAP1	WSE090711 52RCM1	WSE090712 18RCM1	WSE090808 45RCM1	WSE090808 55PML1	WSE090809 15RCM1	WSE090809 20PML1	WSE090809 44PML1	WSE090809 50RCM1	WSE090810 55PML1	WSE090811 00RCM3	WSE090811 22PML1	WSE090811 40JRP1	WSE090811 41PML1	WSE090814 17KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/8/2010 2:30 PM	9/8/2010 2:40 PM	9/8/2010 2:40 PM	9/8/2010 2:55 PM	9/8/2010 3:30 PM	9/8/2010 3:45 PM	9/8/2010 4:25 PM	9/9/2010 8:40 AM	9/9/2010 8:40 AM	9/9/2010 8:55 AM	9/9/2010 9:10 AM	9/9/2010 9:35 AM	9/9/2010 9:45 AM	9/9/2010 10:50 AM	9/9/2010 11:10 AM	9/9/2010 11:19 AM
	Sample	WSE090814 30RCM1	WSE090814 40JRP1	WSE090814 40JRP2	WSE090814 55RCM1	WSE090815 30RCM1	WSE090815 45JRP1	WSE090816 25JRP1	WSE090908 40PML1	WSE090908 40PML2	WSE090908 55RCM1	WSE090909 10RCM1	WSE090909 35RCM1	WSE090909 45PML1	WSE090910 50RCM1	WSE090911 10PML1	WSE090911 19KAP1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	0.43	< 5	< 5	0.44	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/8/2010 2:30 PM	9/8/2010 2:40 PM	9/8/2010 2:40 PM	9/8/2010 2:55 PM	9/8/2010 3:30 PM	9/8/2010 3:45 PM	9/8/2010 4:25 PM	9/9/2010 8:40 AM	9/9/2010 8:40 AM	9/9/2010 8:55 AM	9/9/2010 9:10 AM	9/9/2010 9:35 AM	9/9/2010 9:45 AM	9/9/2010 10:50 AM	9/9/2010 11:10 AM	9/9/2010 11:19 AM
	Sample	WSE090814 30RCM1	WSE090814 40JRP1	WSE090814 40JRP2	WSE090814 55RCM1	WSE090815 30RCM1	WSE090815 45JRP1	WSE090816 25JRP1	WSE090908 40PML1	WSE090908 40PML2	WSE090908 55RCM1	WSE090909 10RCM1	WSE090909 35RCM1	WSE090909 45PML1	WSE090910 50RCM1	WSE090911 10PML1	WSE090911 19KAP1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	120	6.5	< 6	< 6	< 6	6	11	6	8.5	8	8.5	6	5.5	< 6	< 6	5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	2.4	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/8/2010 2:30 PM	9/8/2010 2:40 PM	9/8/2010 2:40 PM	9/8/2010 2:55 PM	9/8/2010 3:30 PM	9/8/2010 3:45 PM	9/8/2010 4:25 PM	9/9/2010 8:40 AM	9/9/2010 8:40 AM	9/9/2010 8:55 AM	9/9/2010 9:10 AM	9/9/2010 9:35 AM	9/9/2010 9:45 AM	9/9/2010 10:50 AM	9/9/2010 11:10 AM	9/9/2010 11:19 AM
	Sample	WSE090814 30RCM1	WSE090814 40JRP1	WSE090814 40JRP2	WSE090814 55RCM1	WSE090815 30RCM1	WSE090815 45JRP1	WSE090816 25JRP1	WSE090908 40PML1	WSE090908 40PML2	WSE090908 55RCM1	WSE090909 10RCM1	WSE090909 35RCM1	WSE090909 45PML1	WSE090910 50RCM1	WSE090911 10PML1	WSE090911 19KAP1
Analyte	Units	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.39
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 11:35 AM	9/9/2010 1:45 PM	9/9/2010 1:45 PM	9/9/2010 1:50 PM	9/9/2010 2:15 PM	9/9/2010 2:50 PM	9/9/2010 3:15 PM	9/9/2010 3:40 PM	9/9/2010 4:00 PM	9/10/2010 8:52 AM	9/10/2010 8:52 AM	9/10/2010 8:55 AM	9/10/2010 9:25 AM	9/10/2010 9:58 AM	9/10/2010 10:52 AM	9/10/2010 10:53 AM
	Sample	WSE090911 35PML1	WSE090913 45JRP1	WSE090913 45RCM1	WSE090913 50PML1	WSE090914 15JRP1	WSE090914 50PML1	WSE090915 15JRP1	WSE090915 40PML1	WSE090916 00JRP1	WSE091008 52RCM1	WSE091008 52RCM2	WSE091008 55PML1	WSE091009 25PML1	WSE091009 58PML1	WSE091010 52PML1	WSE091010 53KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.7	3.8	3.9	3.7	3.8	4	3.8	3.8	3.8	4.1	4.1	3.8	3.8	3.8	3.8	3.4
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0012	0.003	0.0017	0.0012	0.0015	0.0011	0.0012	0.0011	0.0011	0.0015	0.0015	0.0015	0.0015	0.0017	0.0015	0.0014
Barium	mg/l	0.068	0.07	0.07	0.067	0.067	0.067	0.065	0.066	0.066	0.061	0.059	0.067	0.066	0.064	0.066	0.063
Beryllium	mg/l	< 0.001	0.0017	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	0.0018	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00044	0.0022	0.00042	0.00043	0.00048	0.00039	0.00035	0.00037	0.00032	0.00082	0.00058	0.00065	0.00073	0.00057	0.00048	0.00057
Cobalt	mg/l	0.00034	0.002	0.00037	0.00034	0.00034	0.00035	0.00032	0.00034	0.00032	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	mg/l	0.00089	0.0026	0.0023	0.00092	0.0011	0.00087	0.0012	0.00079	0.00079	0.0013	0.0012	0.0014	0.002	0.0013	0.0013	0.0047
Hardness	mg/l	320	320	320	320	320	320	310	320	310	290	280	310	310	300	320	300
Iron	mg/l	0.29	0.48	0.28	0.27	0.31	0.31	0.23	0.26	0.23	0.36	0.31	0.34	0.36	0.31	0.3	0.36
Lead	mg/l	0.00036	0.0022	0.00054	0.00035	0.00042	0.00045	0.00026	0.00032	0.00028	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Manganese	mg/l	0.056	0.053	0.057	0.049	0.054	0.063	0.045	0.056	0.046	0.061	0.057	0.055	0.06	0.056	0.064	0.061
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.001	0.0029	0.001	0.00098	0.00096	0.00099	0.00092	0.00099	0.00092	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.00032	0.0024	0.00042	0.00035	0.00039	0.00046	0.0016	0.00085	0.00038	0.00072	0.00057	0.00075	0.00077	0.00057	0.00062	0.00049
Selenium	mg/l	< 0.005	0.0023	< 0.005	< 0.005	0.00062	< 0.005	< 0.005	< 0.005	< 0.005	0.00062	< 0.005	< 0.005	< 0.005	< 0.005	0.00076	< 0.005
Silver	mg/l	< 0.0002	0.0015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	0.0014	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00053	0.0024	0.0005	0.00046	0.00044	0.00059	0.00039	0.00057	0.00049	0.0031	0.0044	0.0057	0.0057	0.0052	0.0061	0.0054
Zinc	mg/l	0.0018	0.0052	0.005	0.0023	0.0021	0.0027	0.0017	0.0026	0.0016	0.0053	0.0028	0.0024	0.0026	0.002	0.0017	0.011
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 11:35 AM	9/9/2010 1:45 PM	9/9/2010 1:45 PM	9/9/2010 1:50 PM	9/9/2010 2:15 PM	9/9/2010 2:50 PM	9/9/2010 3:15 PM	9/9/2010 3:40 PM	9/9/2010 4:00 PM	9/10/2010 8:52 AM	9/10/2010 8:52 AM	9/10/2010 8:55 AM	9/10/2010 9:25 AM	9/10/2010 9:58 AM	9/10/2010 10:52 AM	9/10/2010 10:53 AM
	Sample	WSE090911 35PML1	WSE090913 45JRP1	WSE090913 45RCM1	WSE090913 50PML1	WSE090914 15JRP1	WSE090914 50PML1	WSE090915 15JRP1	WSE090915 40PML1	WSE090916 00JRP1	WSE091008 52RCM1	WSE091008 52RCM2	WSE091008 55PML1	WSE091009 25PML1	WSE091009 58PML1	WSE091010 52PML1	WSE091010 53KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 11:35 AM	9/9/2010 1:45 PM	9/9/2010 1:45 PM	9/9/2010 1:50 PM	9/9/2010 2:15 PM	9/9/2010 2:50 PM	9/9/2010 3:15 PM	9/9/2010 3:40 PM	9/9/2010 4:00 PM	9/10/2010 8:52 AM	9/10/2010 8:52 AM	9/10/2010 8:55 AM	9/10/2010 9:25 AM	9/10/2010 9:58 AM	9/10/2010 10:52 AM	9/10/2010 10:53 AM
	Sample	WSE090911 35PML1	WSE090913 45JRP1	WSE090913 45RCM1	WSE090913 50PML1	WSE090914 15JRP1	WSE090914 50PML1	WSE090915 15JRP1	WSE090915 40PML1	WSE090916 00JRP1	WSE091008 52RCM1	WSE091008 52RCM2	WSE091008 55PML1	WSE091009 25PML1	WSE091009 58PML1	WSE091010 52PML1	WSE091010 53KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 25	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.2	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	< 6	5	< 6	7	46	59	< 6	< 6	12	10	8.5	8	9	6.5	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.12	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/9/2010 11:35 AM	9/9/2010 1:45 PM	9/9/2010 1:45 PM	9/9/2010 1:50 PM	9/9/2010 2:15 PM	9/9/2010 2:50 PM	9/9/2010 3:15 PM	9/9/2010 3:40 PM	9/9/2010 4:00 PM	9/10/2010 8:52 AM	9/10/2010 8:52 AM	9/10/2010 8:55 AM	9/10/2010 9:25 AM	9/10/2010 9:58 AM	9/10/2010 10:52 AM	9/10/2010 10:53 AM
	Sample	WSE090911 35PML1	WSE090913 45JRP1	WSE090913 45RCM1	WSE090913 50PML1	WSE090914 15JRP1	WSE090914 50PML1	WSE090915 15JRP1	WSE090915 40PML1	WSE090916 00JRP1	WSE091008 52RCM1	WSE091008 52RCM2	WSE091008 55PML1	WSE091009 25PML1	WSE091009 58PML1	WSE091010 52PML1	WSE091010 53KAP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.16	0.22	2.3	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/10/2010 11:25 AM	9/10/2010 11:50 AM	9/10/2010 1:00 PM	9/10/2010 1:15 PM	9/10/2010 2:14 PM	9/10/2010 2:20 PM	9/10/2010 2:33 PM	9/10/2010 2:45 PM	9/10/2010 2:53 PM	9/10/2010 3:10 PM	9/10/2010 3:40 PM	9/10/2010 3:45 PM	9/10/2010 4:00 PM	9/11/2010 8:45 AM	9/11/2010 8:55 AM	9/11/2010 9:00 AM
	Sample	WSE091011 25PML1	WSE091011 50PML1	WSE091013 00JRP3	WSE091013 15RCM1	WSE091014 14RCM1	WSE091014 20PML1	WSE091014 33RCM1	WSE091014 45JRP1	WSE091014 53RCM1	WSE091015 10PML1	WSE091015 40PML1	WSE091015 45JRP1	WSE091016 00JRP1	WSE091108 45PML1	WSE091108 55RCM1	WSE091109 00JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.8	3.8	3.2	3.9	4.1	4.3	3.8	3.3	3.8	4.2	4.3	3.2	3.3	3.5	4	3.2
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00026	< 0.002	< 0.002	< 0.002	< 0.002	0.00016	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0013	0.0014	0.0012	0.0014	0.0015	0.0013	0.0013	0.0014	0.0016	0.0015	0.0014	0.0015	0.0014	0.00094	0.0014	0.0013
Barium	mg/l	0.064	0.065	0.063	0.063	0.064	0.064	0.064	0.064	0.064	0.065	0.067	0.063	0.064	0.06	0.061	0.06
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00011	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00066	0.00069	0.00049	0.00057	0.00073	< 0.005	0.00054	0.00047	0.00047	< 0.005	< 0.005	0.00041	0.00044	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00044	< 0.005	< 0.005	< 0.005	0.00046	0.00048	< 0.005	< 0.005	0.00049	0.00052	0.00048
Copper	mg/l	0.0014	0.0016	0.0011	0.0056	0.0015	< 0.005	0.0013	0.0011	0.0013	< 0.005	< 0.005	0.0015	0.0012	0.0012	0.0012	0.001
Hardness	mg/l	300	310	300	300	310	300	300	310	300	310	300	300	300	300	290	290
Iron	mg/l	0.36	0.39	0.3	0.33	0.42	0.28	0.31	0.29	0.28	0.3	0.39	0.27	0.27	0.28	0.36	0.27
Lead	mg/l	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.00048	< 0.003	< 0.003	< 0.003	0.00046	0.0007	< 0.003	< 0.003	0.00042	0.00062	0.00029
Manganese	mg/l	0.063	0.064	0.049	0.054	0.075	0.053	0.061	0.049	0.059	0.055	0.063	0.048	0.048	0.066	0.074	0.054
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00043	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0012	< 0.005	< 0.005	< 0.005	0.001	0.0012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.0019	0.0007	0.00052	0.0012	0.00067	0.00098	0.00059	0.00061	0.00061	0.00069	0.00091	0.00062	0.00061	0.00076	0.00072	0.00064
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0012	0.00084	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000024	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00019	< 0.002
Vanadium	mg/l	0.0057	0.0061	0.0048	0.004	0.0046	0.005	0.0048	0.0044	0.0048	0.0058	0.0052	0.0048	0.0048	< 0.004	< 0.004	< 0.004
Zinc	mg/l	0.0047	0.0033	0.0019	0.0067	0.0024	0.0023	0.0014	0.0015	0.002	0.0044	0.0045	0.002	0.0015	0.0016	0.0024	0.0019
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/10/2010 11:25 AM	9/10/2010 11:50 AM	9/10/2010 1:00 PM	9/10/2010 1:15 PM	9/10/2010 2:14 PM	9/10/2010 2:20 PM	9/10/2010 2:33 PM	9/10/2010 2:45 PM	9/10/2010 2:53 PM	9/10/2010 3:10 PM	9/10/2010 3:40 PM	9/10/2010 3:45 PM	9/10/2010 4:00 PM	9/11/2010 8:45 AM	9/11/2010 8:55 AM	9/11/2010 9:00 AM
	Sample	WSE091011 25PML1	WSE091011 50PML1	WSE091013 00JRP3	WSE091013 15RCM1	WSE091014 14RCM1	WSE091014 20PML1	WSE091014 33RCM1	WSE091014 45JRP1	WSE091014 53RCM1	WSE091015 10PML1	WSE091015 40PML1	WSE091015 45JRP1	WSE091016 00JRP1	WSE091108 45PML1	WSE091108 55RCM1	WSE091109 00JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.51	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/10/2010 11:25 AM	9/10/2010 11:50 AM	9/10/2010 1:00 PM	9/10/2010 1:15 PM	9/10/2010 2:14 PM	9/10/2010 2:20 PM	9/10/2010 2:33 PM	9/10/2010 2:45 PM	9/10/2010 2:53 PM	9/10/2010 3:10 PM	9/10/2010 3:40 PM	9/10/2010 3:45 PM	9/10/2010 4:00 PM	9/11/2010 8:45 AM	9/11/2010 8:55 AM	9/11/2010 9:00 AM
	Sample	WSE091011 25PML1	WSE091011 50PML1	WSE091013 00JRP3	WSE091013 15RCM1	WSE091014 14RCM1	WSE091014 20PML1	WSE091014 33RCM1	WSE091014 45JRP1	WSE091014 53RCM1	WSE091015 10PML1	WSE091015 40PML1	WSE091015 45JRP1	WSE091016 00JRP1	WSE091108 45PML1	WSE091108 55RCM1	WSE091109 00JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.69	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	7	10	< 6	7	11	10	7	< 6	6	6	11	< 6	< 6	< 6	7	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	3	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.54	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/10/2010 11:25 AM	9/10/2010 11:50 AM	9/10/2010 1:00 PM	9/10/2010 1:15 PM	9/10/2010 2:14 PM	9/10/2010 2:20 PM	9/10/2010 2:33 PM	9/10/2010 2:45 PM	9/10/2010 2:53 PM	9/10/2010 3:10 PM	9/10/2010 3:40 PM	9/10/2010 3:45 PM	9/10/2010 4:00 PM	9/11/2010 8:45 AM	9/11/2010 8:55 AM	9/11/2010 9:00 AM
	Sample	WSE091011 25PML1	WSE091011 50PML1	WSE091013 00JRP3	WSE091013 15RCM1	WSE091014 14RCM1	WSE091014 20PML1	WSE091014 33RCM1	WSE091014 45JRP1	WSE091014 53RCM1	WSE091015 10PML1	WSE091015 40PML1	WSE091015 45JRP1	WSE091016 00JRP1	WSE091108 45PML1	WSE091108 55RCM1	WSE091109 00JRP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	0.36	< 1	< 1	< 1	0.87	< 1	< 1	< 1	1	0.15	< 1	< 1	0.23	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/11/2010 9:10 AM	9/11/2010 9:10 AM	9/11/2010 9:23 AM	9/11/2010 9:23 AM	9/11/2010 9:35 AM	9/11/2010 9:55 AM	9/11/2010 10:25 AM	9/11/2010 10:36 AM	9/12/2010 9:12 AM	9/12/2010 9:30 AM	9/12/2010 9:55 AM	9/12/2010 9:55 AM	9/12/2010 10:25 AM	9/12/2010 10:35 AM	9/12/2010 1:42 PM	9/12/2010 1:45 PM
	Sample	WSE091109 10PML1	WSE091109 10RCM1	WSE091109 23RCM3	WSE091109 23RCM1	WSE091109 35PML1	WSE091109 55JRP1	WSE091110 25JRP1	WSE091110 36RCM1	WSE091209 12RCM1	WSE091209 30PML1	WSE091209 55PML1	WSE091209 55RCM1	WSE091210 25JRP1	WSE091210 35PML1	WSE091213 42RCM1	WSE091213 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.5	3.7	---	3.7	3.4	3.2	3.3	3.6	3.7	3.8	3.8	3.8	3.6	3.9	3.8	3.2
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0014	0.0016	0.0012	---	0.0012	0.0013	0.0019	0.0011	0.0014	0.0012	0.0011	0.0014	0.0013	0.0014	0.0013	0.00089
Barium	mg/l	0.06	0.063	0.061	---	0.059	0.062	0.07	0.061	0.065	0.061	0.062	0.063	0.062	0.064	0.066	0.061
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	---	< 0.001	< 0.001	0.00011	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	---	< 0.005	< 0.005	< 0.005	< 0.005	0.00089	0.00064	0.00077	0.00062	0.00059	0.00079	0.00096	0.00058
Cobalt	mg/l	0.00049	0.00051	0.0005	---	0.00049	0.00051	0.0007	0.00048	0.0006	0.0006	0.00062	0.00059	0.00058	0.0006	0.0006	0.0006
Copper	mg/l	0.0013	0.0019	0.0011	---	0.0012	0.0093	0.0024	0.0011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hardness	mg/l	300	310	300	---	290	300	310	300	300	290	290	290	290	280	290	290
Iron	mg/l	0.28	0.37	0.32	---	0.28	0.37	1.4	0.32	0.38	0.27	0.38	0.33	0.32	0.37	0.49	0.28
Lead	mg/l	0.00042	0.00067	0.00051	---	0.00041	0.0011	0.0024	0.00052	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Manganese	mg/l	0.07	0.077	0.071	---	0.064	0.07	0.11	0.071	0.081	0.066	0.085	0.08	0.055	0.078	0.092	0.048
Mercury (Total)	mg/l	0.000025	< 0.0002	< 0.0002	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.00093	0.0012	0.00071	---	0.00082	0.00072	0.0012	0.0007	0.0009	< 0.005	0.00015	0.00096	0.00064	< 0.005	0.00073	0.00016
Selenium	mg/l	0.00096	0.001	0.00086	---	0.00074	0.00094	0.00093	< 0.005	0.00092	< 0.005	< 0.005	< 0.005	< 0.005	0.00072	< 0.005	< 0.005
Silver	mg/l	< 0.0002	0.000023	< 0.0002	---	< 0.0002	< 0.0002	0.000015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	---	< 0.004	< 0.004	< 0.004	< 0.004	0.0072	0.0081	0.0091	0.0077	0.0089	0.009	0.0089	0.009
Zinc	mg/l	0.012	0.011	0.0017	---	0.0024	0.014	0.012	0.0017	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/11/2010 9:10 AM	9/11/2010 9:10 AM	9/11/2010 9:23 AM	9/11/2010 9:23 AM	9/11/2010 9:35 AM	9/11/2010 9:55 AM	9/11/2010 10:25 AM	9/11/2010 10:36 AM	9/12/2010 9:12 AM	9/12/2010 9:30 AM	9/12/2010 9:55 AM	9/12/2010 9:55 AM	9/12/2010 10:25 AM	9/12/2010 10:35 AM	9/12/2010 1:42 PM	9/12/2010 1:45 PM
	Sample	WSE091109 10PML1	WSE091109 10RCM1	WSE091109 23RCM3	WSE091109 23RCM1	WSE091109 35PML1	WSE091109 55JRP1	WSE091110 25JRP1	WSE091110 36RCM1	WSE091209 12RCM1	WSE091209 30PML1	WSE091209 55PML1	WSE091209 55RCM1	WSE091210 25JRP1	WSE091210 35PML1	WSE091213 42RCM1	WSE091213 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	0.52	0.63	0.65	0.63	0.67	0.7	0.67	0.69
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/11/2010 9:10 AM	9/11/2010 9:10 AM	9/11/2010 9:23 AM	9/11/2010 9:23 AM	9/11/2010 9:35 AM	9/11/2010 9:55 AM	9/11/2010 10:25 AM	9/11/2010 10:36 AM	9/12/2010 9:12 AM	9/12/2010 9:30 AM	9/12/2010 9:55 AM	9/12/2010 9:55 AM	9/12/2010 10:25 AM	9/12/2010 10:35 AM	9/12/2010 1:42 PM	9/12/2010 1:45 PM
	Sample	WSE091109 10PML1	WSE091109 10RCM1	WSE091109 23RCM3	WSE091109 23RCM1	WSE091109 35PML1	WSE091109 55JRP1	WSE091110 25JRP1	WSE091110 36RCM1	WSE091209 12RCM1	WSE091209 30PML1	WSE091209 55PML1	WSE091209 55RCM1	WSE091210 25JRP1	WSE091210 35PML1	WSE091213 42RCM1	WSE091213 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	6	6	---	5	5.5	< 6	< 6	5.5	5.5	7.5	6	< 6	12	9	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	---	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	6.4	< 20	< 20	---	0.49	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/11/2010 9:10 AM	9/11/2010 9:10 AM	9/11/2010 9:23 AM	9/11/2010 9:23 AM	9/11/2010 9:35 AM	9/11/2010 9:55 AM	9/11/2010 10:25 AM	9/11/2010 10:36 AM	9/12/2010 9:12 AM	9/12/2010 9:30 AM	9/12/2010 9:55 AM	9/12/2010 9:55 AM	9/12/2010 10:25 AM	9/12/2010 10:35 AM	9/12/2010 1:42 PM	9/12/2010 1:45 PM
	Sample	WSE091109 10PML1	WSE091109 10RCM1	WSE091109 23RCM3	WSE091109 23RCM1	WSE091109 35PML1	WSE091109 55JRP1	WSE091110 25JRP1	WSE091110 36RCM1	WSE091209 12RCM1	WSE091209 30PML1	WSE091209 55PML1	WSE091209 55RCM1	WSE091210 25JRP1	WSE091210 35PML1	WSE091213 42RCM1	WSE091213 45PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	---	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.25	< 1	< 1	---	0.15	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/12/2010 1:45 PM	9/12/2010 2:00 PM	9/12/2010 2:10 PM	9/12/2010 2:40 PM	9/12/2010 2:45 PM	9/13/2010 8:49 AM	9/13/2010 9:00 AM	9/13/2010 9:10 AM	9/13/2010 9:26 AM	9/13/2010 9:51 AM	9/13/2010 10:30 AM	9/13/2010 10:55 AM	9/13/2010 11:10 AM	9/13/2010 11:35 AM	9/13/2010 1:28 PM	9/13/2010 2:05 PM
	Sample	WSE091213 45JRP1	WSE091214 00RCM1	WSE091214 10PML1	WSE091214 40KAP1	WSE091214 45JRP1	WSE091308 49TDF1	WSE091309 00RCM1	WSE091309 10PML1	WSE091309 26RCM1	WSE091309 51RCM1	WSE091310 30PML1	WSE091310 55PML1	WSE091311 10JRP1	WSE091311 35JRP1	WSE091313 28RCM1	WSE091314 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.5	3.8	3.2	3.7	3.6	3.8	3.5	3.6	3.6	3.7	3.6	3.5	3.6	3.6	3.6	3.6
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0011	0.0013	0.0013	0.0017	0.00087	0.0012	0.00082	0.00079	0.00085	0.0011	0.0016	0.00086	0.00095	0.00099	0.0011	0.0011
Barium	mg/l	0.062	0.061	0.063	0.06	0.059	0.064	0.067	0.058	0.059	0.065	0.061	0.06	0.063	0.063	0.061	0.061
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00013	0.000058	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00055	0.00061	0.00062	0.00065	0.00055	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.00057	0.00059	0.00061	0.00062	0.00057	0.00086	0.00029	0.00079	0.00087	0.00087	0.00069	0.00083	0.00026	0.00026	0.00084	0.00081
Copper	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.002	0.0013	0.0019	0.0022	0.0021	0.0015	0.002	0.0019	0.0019	0.0019	0.009
Hardness	mg/l	290	280	290	280	280	290	280	290	300	310	290	300	290	290	300	290
Iron	mg/l	0.3	0.34	0.33	0.44	0.28	0.45	0.41	0.37	0.39	0.4	0.31	0.37	0.29	0.3	0.33	0.34
Lead	mg/l	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.00051	0.00063	0.00041	0.00062	0.00056	0.00034	0.00035	0.00026	0.00026	0.00045	0.00079
Manganese	mg/l	0.049	0.079	0.056	0.087	0.047	0.079	0.079	0.06	0.073	0.074	0.053	0.054	0.044	0.044	0.064	0.063
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.00027	0.0007	0.00014	0.00094	0.00041	0.0067	0.0069	0.0063	0.0065	0.0066	0.00092	0.0067	0.0065	0.0069	0.0065	0.0064
Selenium	mg/l	< 0.005	< 0.005	0.00075	0.00082	0.00088	< 0.005	< 0.005	< 0.005	< 0.005	0.00069	< 0.005	0.00082	0.00075	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002	0.000085	< 0.0002	0.000016	< 0.0002	< 0.0002	0.000042	0.00002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.0088	0.0091	0.0094	0.0096	0.0085	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Zinc	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0026	0.0027	0.0035	0.0026	0.0033	0.0027	0.0025	0.0016	0.0019	0.0039	0.0062
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/12/2010 1:45 PM	9/12/2010 2:00 PM	9/12/2010 2:10 PM	9/12/2010 2:40 PM	9/12/2010 2:45 PM	9/13/2010 8:49 AM	9/13/2010 9:00 AM	9/13/2010 9:10 AM	9/13/2010 9:26 AM	9/13/2010 9:51 AM	9/13/2010 10:30 AM	9/13/2010 10:55 AM	9/13/2010 11:10 AM	9/13/2010 11:35 AM	9/13/2010 1:28 PM	9/13/2010 2:05 PM
	Sample	WSE091213 45JRP1	WSE091214 00RCM1	WSE091214 10PML1	WSE091214 40KAP1	WSE091214 45JRP1	WSE091308 49TDF1	WSE091309 00RCM1	WSE091309 10PML1	WSE091309 26RCM1	WSE091309 51RCM1	WSE091310 30PML1	WSE091310 55PML1	WSE091311 10JRP1	WSE091311 35JRP1	WSE091313 28RCM1	WSE091314 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	0.6	0.67	0.59	0.54	0.69	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	---	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	0.35
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

	Date Collected	9/12/2010 1:45 PM	9/12/2010 2:00 PM	9/12/2010 2:10 PM	9/12/2010 2:40 PM	9/12/2010 2:45 PM	9/13/2010 8:49 AM	9/13/2010 9:00 AM	9/13/2010 9:10 AM	9/13/2010 9:26 AM	9/13/2010 9:51 AM	9/13/2010 10:30 AM	9/13/2010 10:55 AM	9/13/2010 11:10 AM	9/13/2010 11:35 AM	9/13/2010 1:28 PM	9/13/2010 2:05 PM
	Sample	WSE091213 45JRP1	WSE091214 00RCM1	WSE091214 10PML1	WSE091214 40KAP1	WSE091214 45JRP1	WSE091308 49TDF1	WSE091309 00RCM1	WSE091309 10PML1	WSE091309 26RCM1	WSE091309 51RCM1	WSE091310 30PML1	WSE091310 55PML1	WSE091311 10JRP1	WSE091311 35JRP1	WSE091313 28RCM1	WSE091314 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	5	< 6	9	< 6	< 6	5	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	1.1	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/12/2010 1:45 PM	9/12/2010 2:00 PM	9/12/2010 2:10 PM	9/12/2010 2:40 PM	9/12/2010 2:45 PM	9/13/2010 8:49 AM	9/13/2010 9:00 AM	9/13/2010 9:10 AM	9/13/2010 9:26 AM	9/13/2010 9:51 AM	9/13/2010 10:30 AM	9/13/2010 10:55 AM	9/13/2010 11:10 AM	9/13/2010 11:35 AM	9/13/2010 1:28 PM	9/13/2010 2:05 PM
	Sample	WSE091213 45JRP1	WSE091214 00RCM1	WSE091214 10PML1	WSE091214 40KAP1	WSE091214 45JRP1	WSE091308 49TDF1	WSE091309 00RCM1	WSE091309 10PML1	WSE091309 26RCM1	WSE091309 51RCM1	WSE091310 30PML1	WSE091310 55PML1	WSE091311 10JRP1	WSE091311 35JRP1	WSE091313 28RCM1	WSE091314 05RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.21	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.42	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.81	< 1	0.3	< 1	< 1	0.32	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 2:30 PM	9/13/2010 3:25 PM	9/13/2010 3:55 PM	9/13/2010 3:55 PM	9/13/2010 4:35 PM	9/14/2010 8:35 AM	9/14/2010 8:58 AM	9/14/2010 9:25 AM	9/14/2010 9:25 AM	9/14/2010 9:28 AM	9/14/2010 10:10 AM	9/14/2010 10:10 AM	9/14/2010 10:28 AM	9/14/2010 10:45 AM	9/14/2010 11:00 AM	9/14/2010 1:30 PM
	Sample	WSE091314 30PML1	WSE091315 25JRP1	WSE091315 55PML1	WSE091315 55JRP1	WSE091316 35JRP1	WSE091408 35PML1	WSE091408 58PML1	WSE091409 25PML1	WSE091409 25RCM1	WSE091409 28TDF1	WSE091410 10RCM1	WSE091410 10RCM2	WSE091410 28PML1	WSE091410 45PML1	WSE091411 00PML1	WSE091413 30JRP3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.8	3.7	3.8	4.3	3.8	3.3	3.2	3.2	3.6	3.3	3.7	3.6	3.2	3.3	3.2	3.6
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00018	< 0.002	< 0.002
Arsenic	mg/l	0.00098	0.001	0.00076	0.0011	0.0013	0.001	0.00085	0.0011	0.00099	0.0014	0.0012	0.001	0.00091	0.001	0.00098	0.0011
Barium	mg/l	0.064	0.06	0.062	0.061	0.063	0.058	0.059	0.055	0.058	0.06	0.055	0.056	0.058	0.059	0.058	0.061
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.00083	0.00027	0.0008	0.00027	0.00028	0.00028	0.00027	0.00026	0.00028	0.00028	0.00026	0.00027	0.00027	0.00028	0.00028	0.00027
Copper	mg/l	0.0021	0.0019	0.002	0.0019	0.002	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00092
Hardness	mg/l	300	280	290	270	280	280	280	270	290	280	280	280	280	290	280	290
Iron	mg/l	0.53	0.37	0.4	0.39	0.47	0.31	0.3	0.26	0.25	0.44	0.22	0.25	0.27	0.29	0.31	0.31
Lead	mg/l	0.00077	0.0004	0.00047	0.00049	0.00066	0.00045	0.00044	0.00039	0.00045	0.00055	0.0004	0.00045	0.00041	0.00042	0.00045	0.00043
Manganese	mg/l	0.079	0.045	0.066	0.05	0.054	0.058	0.057	0.054	0.065	0.085	0.06	0.064	0.059	0.061	0.061	0.061
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00081	0.00079	0.00073	0.00092	0.00086	0.00093	0.00092	0.00079	0.00094	0.00081	< 0.005
Nickel	mg/l	0.0067	0.0067	0.0065	0.0065	0.0069	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00056
Selenium	mg/l	< 0.005	< 0.005	< 0.005	0.00069	0.00067	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00014	0.00012	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.00017	< 0.004	0.00018	0.00016	< 0.004	< 0.004	< 0.004	< 0.004
Zinc	mg/l	0.0057	0.0022	0.0048	0.0028	0.0035	0.0021	0.0041	0.0032	0.0046	0.0027	0.0015	0.0022	0.0018	0.0032	0.0027	0.0025
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 2:30 PM	9/13/2010 3:25 PM	9/13/2010 3:55 PM	9/13/2010 3:55 PM	9/13/2010 4:35 PM	9/14/2010 8:35 AM	9/14/2010 8:58 AM	9/14/2010 9:25 AM	9/14/2010 9:25 AM	9/14/2010 9:28 AM	9/14/2010 10:10 AM	9/14/2010 10:10 AM	9/14/2010 10:28 AM	9/14/2010 10:45 AM	9/14/2010 11:00 AM	9/14/2010 1:30 PM
	Sample	WSE091314 30PML1	WSE091315 25JRP1	WSE091315 55PML1	WSE091315 55JRP1	WSE091316 35JRP1	WSE091408 35PML1	WSE091408 58PML1	WSE091409 25PML1	WSE091409 25RCM1	WSE091409 28TDF1	WSE091410 10RCM1	WSE091410 10RCM2	WSE091410 28PML1	WSE091410 45PML1	WSE091411 00PML1	WSE091413 30JRP3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	---	< 10	---	< 10	---	---	---	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	---	< 20	---	---	---	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	---	< 5	---	---	---	< 5	< 5	< 5

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/13/2010 2:30 PM	9/13/2010 3:25 PM	9/13/2010 3:55 PM	9/13/2010 3:55 PM	9/13/2010 4:35 PM	9/14/2010 8:35 AM	9/14/2010 8:58 AM	9/14/2010 9:25 AM	9/14/2010 9:25 AM	9/14/2010 9:28 AM	9/14/2010 10:10 AM	9/14/2010 10:10 AM	9/14/2010 10:28 AM	9/14/2010 10:45 AM	9/14/2010 11:00 AM	9/14/2010 1:30 PM
	Sample	WSE091314 30PML1	WSE091315 25JRP1	WSE091315 55PML1	WSE091315 55JRP1	WSE091316 35JRP1	WSE091408 35PML1	WSE091408 58PML1	WSE091409 25PML1	WSE091409 25RCM1	WSE091409 28TDF1	WSE091410 10RCM1	WSE091410 10RCM2	WSE091410 28PML1	WSE091410 45PML1	WSE091411 00PML1	WSE091413 30JRP3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	0.25	0.23	0.47	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/14/2010 1:45 PM	9/14/2010 2:00 PM	9/14/2010 2:22 PM	9/14/2010 2:30 PM	9/14/2010 2:30 PM	9/14/2010 2:47 PM	9/14/2010 2:55 PM	9/14/2010 3:20 PM	9/14/2010 3:20 PM	9/15/2010 8:50 AM	9/15/2010 8:58 AM	9/15/2010 9:17 AM	9/15/2010 9:20 AM	9/15/2010 9:37 AM	9/15/2010 9:45 AM	9/15/2010 10:15 AM
	Sample	WSE091413 45RCM1	WSE091414 00PML1	WSE091414 22RCM1	WSE091414 30PML1	WSE091414 30JRP1	WSE091414 47RCM1	WSE091414 55PML1	WSE091415 20RCM1	WSE091415 20JRP1	WSE091508 50PML1	WSE091508 58RCM1	WSE091509 17TDF1	WSE091509 20PML1	WSE091509 37RCM1	WSE091509 45PML1	WSE091510 15RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.4	3.4	3.3	3.6	3.6	3.4	3.8	3.3	3.7	---	---	---	---	---	---	---
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00086	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.001	0.00094	0.00098	0.0011	0.00089	0.0011	0.0011	0.00092	0.001	0.0012	0.0013	0.0015	0.0013	0.0013	0.0011	0.0013
Barium	mg/l	0.056	0.057	0.058	0.058	0.049	0.056	0.056	0.056	0.061	0.055	0.057	0.059	0.057	0.056	0.054	0.057
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	0.000085	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0006	< 0.005	< 0.005	0.00052	< 0.005	0.00046
Cobalt	mg/l	0.00026	0.00028	0.00028	0.00031	0.00022	0.00025	0.00027	0.00026	0.00027	0.00028	0.00031	0.00034	0.00028	0.0003	0.00027	0.0003
Copper	mg/l	< 0.005	< 0.005	< 0.005	0.0012	0.0005	< 0.005	0.00099	< 0.005	0.00078	0.00058	0.00083	0.00069	0.00064	0.00076	0.00059	0.00065
Hardness	mg/l	280	290	280	280	230	270	270	280	290	270	280	280	280	280	270	280
Iron	mg/l	0.19	0.23	0.35	0.27	0.17	0.24	0.31	0.21	0.2	0.22	0.37	0.4	0.21	0.34	0.21	0.32
Lead	mg/l	0.00029	0.00037	0.00054	0.00047	0.00021	0.00034	0.00048	0.0003	0.00022	0.00042	0.00065	0.00048	0.00044	0.00058	0.00044	0.00053
Manganese	mg/l	0.059	0.066	0.065	0.06	0.04	0.059	0.062	0.059	0.058	0.059	0.072	0.076	0.06	0.07	0.058	0.069
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.00088	0.00088	0.00082	< 0.005	< 0.005	0.00079	< 0.005	0.00083	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	0.0006	0.00041	< 0.005	0.00058	< 0.005	0.00078	< 0.005	0.0007	< 0.005	< 0.005	0.00064	< 0.005	0.00063
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00063	0.00069	< 0.005	0.00071	0.0007	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	0.000042	0.000046	< 0.0002	< 0.0002	< 0.0002	0.000035	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	0.00083	0.00025	< 0.002	0.00021	< 0.002	0.00012	< 0.002	< 0.002	0.00014	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	0.00014	< 0.004	< 0.004	< 0.004	< 0.004	0.00015	0.0003	0.00039	0.00039	0.00024	0.0003	0.00019	0.00035
Zinc	mg/l	0.0015	0.003	0.0032	0.0033	0.0015	0.0015	0.0022	0.0034	0.0021	< 0.01	0.0026	0.0017	0.0025	< 0.01	0.0026	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/14/2010 1:45 PM	9/14/2010 2:00 PM	9/14/2010 2:22 PM	9/14/2010 2:30 PM	9/14/2010 2:30 PM	9/14/2010 2:47 PM	9/14/2010 2:55 PM	9/14/2010 3:20 PM	9/14/2010 3:20 PM	9/15/2010 8:50 AM	9/15/2010 8:58 AM	9/15/2010 9:17 AM	9/15/2010 9:20 AM	9/15/2010 9:37 AM	9/15/2010 9:45 AM	9/15/2010 10:15 AM
	Sample	WSE091413 45RCM1	WSE091414 00PML1	WSE091414 22RCM1	WSE091414 30PML1	WSE091414 30JRP1	WSE091414 47RCM1	WSE091414 55PML1	WSE091415 20RCM1	WSE091415 20JRP1	WSE091508 50PML1	WSE091508 58RCM1	WSE091509 17TDF1	WSE091509 20PML1	WSE091509 37RCM1	WSE091509 45PML1	WSE091510 15RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	---	< 10	< 10	< 10	< 10	---	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	---	< 20	< 20	< 20	< 20	---	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/14/2010 1:45 PM	9/14/2010 2:00 PM	9/14/2010 2:22 PM	9/14/2010 2:30 PM	9/14/2010 2:30 PM	9/14/2010 2:47 PM	9/14/2010 2:55 PM	9/14/2010 3:20 PM	9/14/2010 3:20 PM	9/15/2010 8:50 AM	9/15/2010 8:58 AM	9/15/2010 9:17 AM	9/15/2010 9:20 AM	9/15/2010 9:37 AM	9/15/2010 9:45 AM	9/15/2010 10:15 AM
	Sample	WSE091413 45RCM1	WSE091414 00PML1	WSE091414 22RCM1	WSE091414 30PML1	WSE091414 30JRP1	WSE091414 47RCM1	WSE091414 55PML1	WSE091415 20RCM1	WSE091415 20JRP1	WSE091508 50PML1	WSE091508 58RCM1	WSE091509 17TDF1	WSE091509 20PML1	WSE091509 37RCM1	WSE091509 45PML1	WSE091510 15RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	---	< 5	< 5	< 5	< 5	---	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	5	< 6	5.5	< 6	< 6	5.5	< 6	< 6	8	9.5	< 6	7	7.5	8.5	5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	1.6	1.6	< 20	< 20	< 20	2	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/14/2010 1:45 PM	9/14/2010 2:00 PM	9/14/2010 2:22 PM	9/14/2010 2:30 PM	9/14/2010 2:30 PM	9/14/2010 2:47 PM	9/14/2010 2:55 PM	9/14/2010 3:20 PM	9/14/2010 3:20 PM	9/15/2010 8:50 AM	9/15/2010 8:58 AM	9/15/2010 9:17 AM	9/15/2010 9:20 AM	9/15/2010 9:37 AM	9/15/2010 9:45 AM	9/15/2010 10:15 AM
	Sample	WSE091413 45RCM1	WSE091414 00PML1	WSE091414 22RCM1	WSE091414 30PML1	WSE091414 30JRP1	WSE091414 47RCM1	WSE091414 55PML1	WSE091415 20RCM1	WSE091415 20JRP1	WSE091508 50PML1	WSE091508 58RCM1	WSE091509 17TDF1	WSE091509 20PML1	WSE091509 37RCM1	WSE091509 45PML1	WSE091510 15RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	0.18	0.29	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/15/2010 10:42 AM	9/15/2010 11:10 AM	9/15/2010 11:25 AM	9/15/2010 12:50 PM	9/15/2010 1:15 PM	9/15/2010 1:15 PM	9/15/2010 1:25 PM	9/15/2010 2:35 PM	9/15/2010 2:37 PM	9/15/2010 3:06 PM	9/15/2010 3:42 PM	9/16/2010 9:00 AM	9/16/2010 9:28 AM	9/16/2010 9:36 AM	9/16/2010 9:40 AM	9/16/2010 9:52 AM
	Sample	WSE091510 42PML1	WSE091511 10PML1	WSE091511 25PML1	WSE091512 50JRP1	WSE091513 15RCM3	WSE091513 15RCM1	WSE091513 25JRP1	WSE091514 35JRP1	WSE091514 37RCM1	WSE091515 06RCM1	WSE091515 42RCM1	WSE091609 00RCM1	WSE091609 28RCM1	WSE091609 36TDF1	WSE091609 40PML1	WSE091609 52RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	3.7	3.8	3.7	3.7	3.9
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0014	0.0012	0.0013	0.0013	0.0013	0.0013	0.0014	0.0057	0.0015	0.0012	0.0013	0.0012	0.0012	0.0013	0.0012	0.0012
Barium	mg/l	0.057	0.057	0.057	0.061	0.057	0.057	0.062	0.15	0.056	0.057	0.058	0.058	0.06	0.061	0.062	0.057
Beryllium	mg/l	0.000099	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000074	0.00014	0.00011	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00081	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00041	0.00041	0.00057	0.00028	0.00037	0.00034	0.00068	0.011	0.00062	0.00044	0.0003	0.00046	0.00043	0.00048	0.00042	0.00027
Cobalt	mg/l	0.00034	0.00029	0.00029	0.00029	0.00028	0.00028	0.00036	0.0019	0.00037	0.00029	0.00029	0.00029	0.00029	0.0003	0.00031	0.00026
Copper	mg/l	0.00056	0.00058	0.00078	0.00057	0.00059	0.00063	0.001	0.01	0.00091	0.0012	0.00068	0.00081	0.00076	0.00085	0.00088	0.0007
Hardness	mg/l	290	290	290	290	280	280	290	390	280	280	280	280	290	290	290	280
Iron	mg/l	0.22	0.22	0.21	0.22	0.23	0.23	0.44	6.9	0.34	0.26	0.24	0.27	0.23	0.35	0.33	0.18
Lead	mg/l	0.00049	0.00045	0.00045	0.00026	0.00038	0.00041	0.00071	0.015	0.00068	0.0005	0.00038	0.00049	0.00041	0.00045	0.00052	0.00028
Manganese	mg/l	0.06	0.061	0.067	0.06	0.063	0.065	0.078	1.1	0.075	0.066	0.066	0.069	0.064	0.081	0.085	0.054
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.00069	0.00076	0.0012	0.00049	0.00058	0.0007	0.00073	0.0047	0.00073	0.00077	0.00062	0.00038	0.00034	0.00044	0.00034	0.00032
Selenium	mg/l	0.0008	0.00061	0.00061	< 0.005	< 0.005	< 0.005	0.00063	0.00097	0.00077	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000055	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	0.00017	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00016	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00045	0.00037	0.00037	0.00025	0.00035	0.00025	0.00045	0.0028	0.0004	0.00038	0.00029	0.00023	0.00024	0.00014	< 0.004	0.00015
Zinc	mg/l	< 0.01	< 0.01	0.0065	< 0.01	< 0.01	< 0.01	0.0023	0.081	0.0018	0.0058	< 0.01	< 0.01	< 0.01	0.0015	0.0022	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/15/2010 10:42 AM	9/15/2010 11:10 AM	9/15/2010 11:25 AM	9/15/2010 12:50 PM	9/15/2010 1:15 PM	9/15/2010 1:15 PM	9/15/2010 1:25 PM	9/15/2010 2:35 PM	9/15/2010 2:37 PM	9/15/2010 3:06 PM	9/15/2010 3:42 PM	9/16/2010 9:00 AM	9/16/2010 9:28 AM	9/16/2010 9:36 AM	9/16/2010 9:40 AM	9/16/2010 9:52 AM
	Sample	WSE091510 42PML1	WSE091511 10PML1	WSE091511 25PML1	WSE091512 50JRP1	WSE091513 15RCM3	WSE091513 15RCM1	WSE091513 25JRP1	WSE091514 35JRP1	WSE091514 37RCM1	WSE091515 06RCM1	WSE091515 42RCM1	WSE091609 00RCM1	WSE091609 28RCM1	WSE091609 36TDF1	WSE091609 40PML1	WSE091609 52RCM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	0.16	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/16/2010 10:10 AM	9/16/2010 11:12 AM	9/16/2010 3:30 PM	9/17/2010 9:05 AM	9/17/2010 9:11 AM	9/17/2010 10:00 AM	9/17/2010 10:25 AM	9/17/2010 10:28 AM	9/17/2010 11:00 AM	9/17/2010 1:35 PM	9/17/2010 1:45 PM	9/17/2010 1:50 PM	9/17/2010 2:06 PM	9/17/2010 2:06 PM	9/17/2010 2:40 PM	9/17/2010 4:15 PM
	Sample	WSE091610 10PML1	WSE091611 12RCM1	WSE091615 30ARM1	WSE091709 05PML1	WSE091709 11RCM1	WSE091710 00ARM3	WSE091710 25PML1	WSE091710 28RCM1	WSE091711 00PML1	WSE091713 35RCM1	WSE091713 45PML1	WSE091713 50RCM1	WSE091714 06RCM1	WSE091714 06RCM2	WSE091714 40PML1	WSE091716 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.7	4	3.7	4	3.5	3.9	4	3.4	3.9	3.3	4	3.3	3.3	3.7	3.9	3.8
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	0.0003	< 0.002	0.00051	0.00026	< 0.002	0.00021	< 0.002	0.00019	< 0.002	< 0.002	< 0.002	0.00021	< 0.002
Arsenic	mg/l	0.0012	0.0012	0.0011	0.0012	0.0012	0.0014	0.0012	0.0014	0.0012	0.0012	0.0012	0.0013	0.0012	0.0012	0.0013	0.0018
Barium	mg/l	0.062	0.056	0.064	0.061	0.058	0.065	0.065	0.063	0.065	0.064	0.065	0.066	0.067	0.065	0.062	0.068
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0003	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000059	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00013	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00052	0.00029	0.00047	< 0.005	0.00049	< 0.005	< 0.005	0.00037	< 0.005	0.00051	< 0.005	0.00038	0.00042	0.0004	< 0.005	< 0.005
Cobalt	mg/l	0.0003	0.00026	0.0003	0.00034	0.00038	0.00048	0.00035	0.00037	0.00037	0.00036	0.00036	0.00036	0.00037	0.00036	0.00036	0.00051
Copper	mg/l	0.00095	0.0012	0.00096	0.00092	0.00082	0.001	0.00095	0.00075	0.00097	0.00089	0.00088	0.00086	0.00093	0.0009	0.001	0.0018
Hardness	mg/l	290	280	280	280	290	290	290	310	290	300	290	310	310	300	270	280
Iron	mg/l	0.38	0.18	0.34	0.31	0.29	0.35	0.29	0.23	0.31	0.29	0.29	0.25	0.27	0.25	0.34	1.1
Lead	mg/l	0.0006	0.0003	0.00053	0.00039	0.00046	0.00056	0.00038	0.00037	0.00039	0.00047	0.00032	0.00038	0.00042	0.00039	0.00059	0.0017
Manganese	mg/l	0.086	0.054	0.065	0.06	0.066	0.064	0.063	0.064	0.063	0.072	0.07	0.067	0.073	0.071	0.07	0.1
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	0.001	< 0.005	0.0024	0.001	< 0.005	0.001	< 0.005	0.00099	< 0.005	< 0.005	< 0.005	0.0012	0.001
Nickel	mg/l	0.0003	0.00073	0.00029	0.00054	0.00049	< 0.005	0.00069	0.0002	0.00065	0.00014	0.00086	0.00022	0.00059	0.0008	0.00067	0.0021
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000048	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00064	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00013	0.0002	0.00014	0.00015	0.00028	0.00031	0.00015	< 0.004	0.00021	0.0002	< 0.004	0.00012	0.0002	< 0.004	0.00024	0.00049
Zinc	mg/l	0.0029	< 0.01	0.0022	0.0027	0.0023	0.0028	0.0037	< 0.01	0.0027	0.0066	0.0024	0.0081	0.0026	0.003	0.0032	0.0081
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/16/2010 10:10 AM	9/16/2010 11:12 AM	9/16/2010 3:30 PM	9/17/2010 9:05 AM	9/17/2010 9:11 AM	9/17/2010 10:00 AM	9/17/2010 10:25 AM	9/17/2010 10:28 AM	9/17/2010 11:00 AM	9/17/2010 1:35 PM	9/17/2010 1:45 PM	9/17/2010 1:50 PM	9/17/2010 2:06 PM	9/17/2010 2:06 PM	9/17/2010 2:40 PM	9/17/2010 4:15 PM
	Sample	WSE091610 10PML1	WSE091611 12RCM1	WSE091615 30ARM1	WSE091709 05PML1	WSE091709 11RCM1	WSE091710 00ARM3	WSE091710 25PML1	WSE091710 28RCM1	WSE091711 00PML1	WSE091713 35RCM1	WSE091713 45PML1	WSE091713 50RCM1	WSE091714 06RCM1	WSE091714 06RCM2	WSE091714 40PML1	WSE091716 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

	Date Collected	9/16/2010 10:10 AM	9/16/2010 11:12 AM	9/16/2010 3:30 PM	9/17/2010 9:05 AM	9/17/2010 9:11 AM	9/17/2010 10:00 AM	9/17/2010 10:25 AM	9/17/2010 10:28 AM	9/17/2010 11:00 AM	9/17/2010 1:35 PM	9/17/2010 1:45 PM	9/17/2010 1:50 PM	9/17/2010 2:06 PM	9/17/2010 2:06 PM	9/17/2010 2:40 PM	9/17/2010 4:15 PM
	Sample	WSE091610 10PML1	WSE091611 12RCM1	WSE091615 30ARM1	WSE091709 05PML1	WSE091709 11RCM1	WSE091710 00ARM3	WSE091710 25PML1	WSE091710 28RCM1	WSE091711 00PML1	WSE091713 35RCM1	WSE091713 45PML1	WSE091713 50RCM1	WSE091714 06RCM1	WSE091714 06RCM2	WSE091714 40PML1	WSE091716 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	10	6	6.5	< 6	9	5	< 6	< 6	< 6	5	< 6	< 6	< 6	< 6	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	0.57	< 20	2.9	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/16/2010 10:10 AM	9/16/2010 11:12 AM	9/16/2010 3:30 PM	9/17/2010 9:05 AM	9/17/2010 9:11 AM	9/17/2010 10:00 AM	9/17/2010 10:25 AM	9/17/2010 10:28 AM	9/17/2010 11:00 AM	9/17/2010 1:35 PM	9/17/2010 1:45 PM	9/17/2010 1:50 PM	9/17/2010 2:06 PM	9/17/2010 2:06 PM	9/17/2010 2:40 PM	9/17/2010 4:15 PM
	Sample	WSE091610 10PML1	WSE091611 12RCM1	WSE091615 30ARM1	WSE091709 05PML1	WSE091709 11RCM1	WSE091710 00ARM3	WSE091710 25PML1	WSE091710 28RCM1	WSE091711 00PML1	WSE091713 35RCM1	WSE091713 45PML1	WSE091713 50RCM1	WSE091714 06RCM1	WSE091714 06RCM2	WSE091714 40PML1	WSE091716 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 4:35 PM	9/17/2010 4:35 PM	9/17/2010 5:15 PM	9/18/2010 10:55 AM	9/18/2010 11:05 AM	9/18/2010 11:08 AM	9/18/2010 11:35 AM	9/18/2010 11:40 AM	9/18/2010 11:45 AM	9/18/2010 12:10 PM	9/18/2010 12:45 PM	9/18/2010 4:05 PM	9/18/2010 4:15 PM	9/18/2010 4:20 PM	9/18/2010 4:55 PM	9/18/2010 5:25 PM
	Sample	WSE091716 35PML1	WSE091716 35PML2	WSE091717 15ARM1	WSE091810 55RCM1	WSE091811 05PML1	WSE091811 08RCM1	WSE091811 35RCM3	WSE091811 40PML1	WSE091811 45ARM1	WSE091812 10PML1	WSE091812 45ARM1	WSE091816 05PML1	WSE091816 15ARM1	WSE091816 20PML1	WSE091816 55PML1	WSE091817 25ARM1
Analyte	Units	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4.3	4.3	4.1	3.2	3.9	3.3	3.3	3.9	3.8	3.8	3.9	3.8	4	3.8	3.9	4.1
Metals																	
Antimony	mg/l	0.00015	< 0.002	0.0047	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0013	0.0014	0.0014	0.0012	0.0013	0.0012	0.0013	0.0012	0.0011	0.0012	0.0011	0.0012	0.0011	0.0012	0.0011	0.0011
Barium	mg/l	0.06	0.063	0.063	0.065	0.063	0.063	0.065	0.065	0.065	0.062	0.063	0.061	0.064	0.064	0.062	0.064
Beryllium	mg/l	< 0.001	< 0.001	0.00031	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	0.00014	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	0.00051	< 0.005	< 0.005	0.00042	0.00038	0.00071	0.00039	0.00038	0.00034	0.00067	0.00038	0.00037
Cobalt	mg/l	0.00035	0.00037	0.00046	0.00013	0.00013	0.00014	0.00014	0.00012	0.00012	0.00013	0.0001	0.00012	0.00011	0.00012	0.00011	0.00011
Copper	mg/l	0.0011	0.0011	0.001	0.001	< 0.005	0.00097	0.0012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hardness	mg/l	270	280	280	300	300	300	310	310	300	290	290	290	300	300	300	300
Iron	mg/l	0.41	0.44	0.35	0.35	0.32	0.33	0.32	0.32	0.29	0.38	0.27	0.26	0.25	0.27	0.28	0.28
Lead	mg/l	0.00065	0.00071	0.00066	0.00056	< 0.003	0.00052	0.00048	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Manganese	mg/l	0.07	0.071	0.059	0.084	0.077	0.081	0.081	0.08	0.053	0.078	0.049	0.072	0.053	0.075	0.077	0.054
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000016	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0011	0.001	0.0023	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.0007	0.0038	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00061	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	0.000057	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	0.00018	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00017	0.00021	0.00032	0.00025	0.00021	0.00025	0.00021	0.00016	0.00032	0.00025	0.00016	< 0.004	< 0.004	< 0.004	0.00029	0.00028
Zinc	mg/l	0.004	0.033	0.0052	0.0025	< 0.01	0.0021	0.0019	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 4:35 PM	9/17/2010 4:35 PM	9/17/2010 5:15 PM	9/18/2010 10:55 AM	9/18/2010 11:05 AM	9/18/2010 11:08 AM	9/18/2010 11:35 AM	9/18/2010 11:40 AM	9/18/2010 11:45 AM	9/18/2010 12:10 PM	9/18/2010 12:45 PM	9/18/2010 4:05 PM	9/18/2010 4:15 PM	9/18/2010 4:20 PM	9/18/2010 4:55 PM	9/18/2010 5:25 PM
	Sample	WSE091716 35PML1	WSE091716 35PML2	WSE091717 15ARM1	WSE091810 55RCM1	WSE091811 05PML1	WSE091811 08RCM1	WSE091811 35RCM3	WSE091811 40PML1	WSE091811 45ARM1	WSE091812 10PML1	WSE091812 45ARM1	WSE091816 05PML1	WSE091816 15ARM1	WSE091816 20PML1	WSE091816 55PML1	WSE091817 25ARM1
Analyte	Units	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.36	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 4:35 PM	9/17/2010 4:35 PM	9/17/2010 5:15 PM	9/18/2010 10:55 AM	9/18/2010 11:05 AM	9/18/2010 11:08 AM	9/18/2010 11:35 AM	9/18/2010 11:40 AM	9/18/2010 11:45 AM	9/18/2010 12:10 PM	9/18/2010 12:45 PM	9/18/2010 4:05 PM	9/18/2010 4:15 PM	9/18/2010 4:20 PM	9/18/2010 4:55 PM	9/18/2010 5:25 PM
	Sample	WSE091716 35PML1	WSE091716 35PML2	WSE091717 15ARM1	WSE091810 55RCM1	WSE091811 05PML1	WSE091811 08RCM1	WSE091811 35RCM3	WSE091811 40PML1	WSE091811 45ARM1	WSE091812 10PML1	WSE091812 45ARM1	WSE091816 05PML1	WSE091816 15ARM1	WSE091816 20PML1	WSE091816 55PML1	WSE091817 25ARM1
Analyte	Units	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	6	< 6	< 6	5	< 6	< 6	5	< 6	< 6	< 6	< 6	5	< 6	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	2.8	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.9	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/17/2010 4:35 PM	9/17/2010 4:35 PM	9/17/2010 5:15 PM	9/18/2010 10:55 AM	9/18/2010 11:05 AM	9/18/2010 11:08 AM	9/18/2010 11:35 AM	9/18/2010 11:40 AM	9/18/2010 11:45 AM	9/18/2010 12:10 PM	9/18/2010 12:45 PM	9/18/2010 4:05 PM	9/18/2010 4:15 PM	9/18/2010 4:20 PM	9/18/2010 4:55 PM	9/18/2010 5:25 PM
	Sample	WSE091716 35PML1	WSE091716 35PML2	WSE091717 15ARM1	WSE091810 55RCM1	WSE091811 05PML1	WSE091811 08RCM1	WSE091811 35RCM3	WSE091811 40PML1	WSE091811 45ARM1	WSE091812 10PML1	WSE091812 45ARM1	WSE091816 05PML1	WSE091816 15ARM1	WSE091816 20PML1	WSE091816 55PML1	WSE091817 25ARM1
Analyte	Units	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.14	< 1	< 1	0.16	1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/18/2010 5:25 PM	9/19/2010 9:15 AM	9/19/2010 9:25 AM	9/19/2010 9:45 AM	9/19/2010 9:45 AM	9/19/2010 9:58 AM	9/19/2010 10:15 AM	9/19/2010 10:25 AM	9/19/2010 10:30 AM	9/19/2010 11:13 AM	9/19/2010 11:20 AM	9/19/2010 12:45 PM	9/19/2010 1:42 PM	9/19/2010 1:50 PM	9/19/2010 2:12 PM	9/19/2010 2:20 PM
	Sample	WSE091817 25ARM2	WSE091909 15PML1	WSE091909 25RCM1	WSE091909 45PML1	WSE091909 45ARM1	WSE091909 58RCM1	WSE091910 15PML1	WSE091910 25RCM1	WSE091910 30ARM1	WSE091911 13RCM1	WSE091911 20PML1	WSE091912 45ARM1	WSE091913 42RCM1	WSE091913 50ARM1	WSE091914 12RCM1	WSE091914 20PML1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4	4	3.8	3.9	4	3.8	3.9	3.9	4	3.8	4.1	4	4	4.1	3.9	3.9
Metals																	
Antimony	mg/l	< 0.002	0.00039	< 0.002	0.00039	< 0.002	< 0.002	0.00031	< 0.002	< 0.002	< 0.002	0.00022	< 0.002	< 0.002	< 0.002	< 0.002	0.00017
Arsenic	mg/l	0.0012	0.0015	0.0012	0.0012	0.0012	0.0012	0.0011	0.0011	0.0011	0.0012	0.0013	0.0012	0.0013	0.0011	0.0011	0.0011
Barium	mg/l	0.062	0.06	0.058	0.058	0.065	0.06	0.06	0.059	0.065	0.059	0.064	0.064	0.059	0.061	0.058	0.057
Beryllium	mg/l	< 0.001	0.00018	< 0.001	0.000058	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00033	0.00053	0.00051	0.00039	0.00043	0.00051	0.00044	0.00047	0.0003	0.00044	0.00042	0.00023	0.0005	0.00031	0.0003	0.00027
Cobalt	mg/l	0.00011	0.00016	0.00013	0.00011	0.00014	0.00014	0.00012	0.00011	0.00016	0.00011	0.00013	0.00011	0.00013	0.00012	0.0001	0.000095
Copper	mg/l	< 0.005	0.0013	0.0026	0.00092	0.001	0.0011	0.0017	0.0013	0.0017	0.0011	0.00097	0.0011	0.001	0.00095	0.00093	0.001
Hardness	mg/l	290	290	270	270	300	280	290	270	300	280	290	300	280	280	280	290
Iron	mg/l	0.27	0.31	0.3	0.26	0.35	0.3	0.28	0.29	0.27	0.26	0.36	0.23	0.36	0.26	0.22	0.18
Lead	mg/l	< 0.003	0.00052	0.00059	0.00046	0.00045	0.00052	0.0005	0.00049	0.0005	0.00043	0.00043	0.00025	0.00055	0.00029	0.00026	0.00031
Manganese	mg/l	0.051	0.071	0.073	0.069	0.063	0.074	0.07	0.072	0.055	0.068	0.073	0.054	0.074	0.046	0.053	0.056
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	0.00083	< 0.005	0.00061	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	0.00038	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00017	0.00047	0.00041	0.00028	0.00043	0.00029	0.00037	0.0004	0.0004	0.00033	0.00023	0.00028	0.00046	0.00025	0.00035	0.0005
Zinc	mg/l	< 0.01	0.0038	0.0023	0.0025	0.0025	0.002	0.0034	0.0024	0.013	0.0019	0.0027	0.0053	0.0031	0.0021	0.0016	0.0033
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/18/2010 5:25 PM	9/19/2010 9:15 AM	9/19/2010 9:25 AM	9/19/2010 9:45 AM	9/19/2010 9:45 AM	9/19/2010 9:58 AM	9/19/2010 10:15 AM	9/19/2010 10:25 AM	9/19/2010 10:30 AM	9/19/2010 11:13 AM	9/19/2010 11:20 AM	9/19/2010 12:45 PM	9/19/2010 1:42 PM	9/19/2010 1:50 PM	9/19/2010 2:12 PM	9/19/2010 2:20 PM
	Sample	WSE091817 25ARM2	WSE091909 15PML1	WSE091909 25RCM1	WSE091909 45PML1	WSE091909 45ARM1	WSE091909 58RCM1	WSE091910 15PML1	WSE091910 25RCM1	WSE091910 30ARM1	WSE091911 13RCM1	WSE091911 20PML1	WSE091912 45ARM1	WSE091913 42RCM1	WSE091913 50ARM1	WSE091914 12RCM1	WSE091914 20PML1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

[illegible]

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/18/2010 5:25 PM	9/19/2010 9:15 AM	9/19/2010 9:25 AM	9/19/2010 9:45 AM	9/19/2010 9:45 AM	9/19/2010 9:58 AM	9/19/2010 10:15 AM	9/19/2010 10:25 AM	9/19/2010 10:30 AM	9/19/2010 11:13 AM	9/19/2010 11:20 AM	9/19/2010 12:45 PM	9/19/2010 1:42 PM	9/19/2010 1:50 PM	9/19/2010 2:12 PM	9/19/2010 2:20 PM
	Sample	WSE091817 25ARM2	WSE091909 15PML1	WSE091909 25RCM1	WSE091909 45PML1	WSE091909 45ARM1	WSE091909 58RCM1	WSE091910 15PML1	WSE091910 25RCM1	WSE091910 30ARM1	WSE091911 13RCM1	WSE091911 20PML1	WSE091912 45ARM1	WSE091913 42RCM1	WSE091913 50ARM1	WSE091914 12RCM1	WSE091914 20PML1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	0.38	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.97	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/19/2010 2:50 PM	9/19/2010 3:05 PM	9/20/2010 8:25 AM	9/20/2010 8:32 AM	9/20/2010 8:45 AM	9/20/2010 9:05 AM	9/20/2010 9:45 AM	9/20/2010 10:11 AM	9/20/2010 10:25 AM	9/20/2010 10:33 AM	9/20/2010 10:45 AM	9/20/2010 10:55 AM	9/20/2010 11:45 AM	9/20/2010 1:40 PM	9/20/2010 2:20 PM	9/20/2010 3:25 PM
	Sample	WSE091914 50PML1	WSE091915 05PML1	WSE092008 25PML1	WSE092008 32RCM1	WSE092008 45PML1	WSE092009 05PML1	WSE092009 45ARM1	WSE092010 11RCM1	WSE092010 25ARM1	WSE092010 33RCM1	WSE092010 45PML1	WSE092010 55RCM1	WSE092011 45RCM1	WSE092013 40ARM1	WSE092014 20ARM1	WSE092015 25ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4	4	3.4	3.9	3.4	3.3	4	3.8	3.9	3.8	3.5	3.9	3.9	4	4.1	4
Metals																	
Antimony	mg/l	0.00014	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0037	0.00025	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0011	0.0013	0.0012	0.0013	0.0012	0.0014	0.0012	0.0011	0.0013	0.0015	0.0014	0.0012	0.0011	0.0012	0.0012	0.001
Barium	mg/l	0.056	0.059	0.058	0.058	0.059	0.059	0.067	0.059	0.066	0.058	0.063	0.057	0.058	0.064	0.064	0.064
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00017	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00018	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.0003	0.00041	0.00038	0.00071	0.00046	0.00054	0.00078	0.0013	0.00076	0.00027	0.00073	0.00024	0.00035	0.00034	0.00043	0.00044
Cobalt	mg/l	0.00011	0.00013	0.00035	< 0.005	0.00033	0.00035	< 0.005	< 0.005	< 0.005	< 0.005	0.00052	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	mg/l	0.00089	0.0011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hardness	mg/l	280	290	270	280	270	270	290	280	290	280	270	280	270	280	290	280
Iron	mg/l	0.19	0.24	0.25	0.39	0.26	0.3	0.42	0.24	0.4	0.2	0.41	0.18	0.23	0.26	0.26	0.23
Lead	mg/l	0.00032	0.00039	0.00035	0.00064	0.00053	0.00044	0.00053	0.00038	0.0005	0.00035	0.00068	0.00029	0.00041	0.00028	0.0003	0.00027
Manganese	mg/l	0.06	0.064	0.072	0.1	0.075	0.076	0.071	0.066	0.065	0.058	0.076	0.058	0.062	0.044	0.049	0.051
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	0.001	< 0.005	0.001	0.001	< 0.005	< 0.005	< 0.005	< 0.005	0.0012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	0.00046	< 0.005	< 0.005	0.00037	0.0015	0.00046	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00013
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00073	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00014	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00014	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00046	0.00038	0.00029	0.00048	0.00031	0.00041	0.00038	0.0003	0.00056	0.00025	0.0003	0.00032	0.00039	0.00041	0.0004	0.00015
Zinc	mg/l	0.0013	0.0026	0.0017	0.0028	0.0076	0.0019	0.0052	0.0067	0.0076	0.0014	0.0021	0.0019	0.0029	0.0029	0.0054	0.0051
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/19/2010 2:50 PM	9/19/2010 3:05 PM	9/20/2010 8:25 AM	9/20/2010 8:32 AM	9/20/2010 8:45 AM	9/20/2010 9:05 AM	9/20/2010 9:45 AM	9/20/2010 10:11 AM	9/20/2010 10:25 AM	9/20/2010 10:33 AM	9/20/2010 10:45 AM	9/20/2010 10:55 AM	9/20/2010 11:45 AM	9/20/2010 1:40 PM	9/20/2010 2:20 PM	9/20/2010 3:25 PM
	Sample	WSE091914 50PML1	WSE091915 05PML1	WSE092008 25PML1	WSE092008 32RCM1	WSE092008 45PML1	WSE092009 05PML1	WSE092009 45ARM1	WSE092010 11RCM1	WSE092010 25ARM1	WSE092010 33RCM1	WSE092010 45PML1	WSE092010 55RCM1	WSE092011 45RCM1	WSE092013 40ARM1	WSE092014 20ARM1	WSE092015 25ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/19/2010 2:50 PM	9/19/2010 3:05 PM	9/20/2010 8:25 AM	9/20/2010 8:32 AM	9/20/2010 8:45 AM	9/20/2010 9:05 AM	9/20/2010 9:45 AM	9/20/2010 10:11 AM	9/20/2010 10:25 AM	9/20/2010 10:33 AM	9/20/2010 10:45 AM	9/20/2010 10:55 AM	9/20/2010 11:45 AM	9/20/2010 1:40 PM	9/20/2010 2:20 PM	9/20/2010 3:25 PM
	Sample	WSE091914 50PML1	WSE091915 05PML1	WSE092008 25PML1	WSE092008 32RCM1	WSE092008 45PML1	WSE092009 05PML1	WSE092009 45ARM1	WSE092010 11RCM1	WSE092010 25ARM1	WSE092010 33RCM1	WSE092010 45PML1	WSE092010 55RCM1	WSE092011 45RCM1	WSE092013 40ARM1	WSE092014 20ARM1	WSE092015 25ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	6	< 6	< 6	8.5	5	6	5.5	< 6	6	< 6	5.5	6	< 6	< 6	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	---	---	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	< 200	< 200	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	1	< 20	2.6	2	< 20	< 20	< 20	< 20	1.5	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/19/2010 2:50 PM	9/19/2010 3:05 PM	9/20/2010 8:25 AM	9/20/2010 8:32 AM	9/20/2010 8:45 AM	9/20/2010 9:05 AM	9/20/2010 9:45 AM	9/20/2010 10:11 AM	9/20/2010 10:25 AM	9/20/2010 10:33 AM	9/20/2010 10:45 AM	9/20/2010 10:55 AM	9/20/2010 11:45 AM	9/20/2010 1:40 PM	9/20/2010 2:20 PM	9/20/2010 3:25 PM
	Sample	WSE091914 50PML1	WSE091915 05PML1	WSE092008 25PML1	WSE092008 32RCM1	WSE092008 45PML1	WSE092009 05PML1	WSE092009 45ARM1	WSE092010 11RCM1	WSE092010 25ARM1	WSE092010 33RCM1	WSE092010 45PML1	WSE092010 55RCM1	WSE092011 45RCM1	WSE092013 40ARM1	WSE092014 20ARM1	WSE092015 25ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/20/2010 4:10 PM	9/21/2010 9:30 AM	9/21/2010 9:31 AM	9/21/2010 9:48 AM	9/21/2010 10:06 AM	9/21/2010 10:06 AM	9/21/2010 10:15 AM	9/21/2010 10:35 AM	9/21/2010 11:15 AM	9/21/2010 11:58 AM	9/21/2010 2:45 PM	9/21/2010 2:50 PM	9/21/2010 3:55 PM	9/21/2010 4:45 PM	9/22/2010 8:33 AM	9/22/2010 8:50 AM
	Sample	WSE092016 10ARM1	WSE092109 30JDF1	WSE092109 31RCM1	WSE092109 48RCM1	WSE092110 06RCM1	WSE092110 06RCM2	WSE092110 15ARM3	WSE092110 35JDF1	WSE092111 15JDF1	WSE092111 58RCM1	WSE092114 45JDF1	WSE092114 50ARM1	WSE092115 55ARM1	WSE092116 45ARM1	WSE092208 33RCM1	WSE092208 50JDF1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4.1	4.1	3.4	3.4	3.4	3.5	4.1	4	4	3.4	4	4	4.3	4.2	3.6	3.5
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0011	0.0015	0.0013	0.0012	0.0013	0.0014	0.001	0.0012	0.0013	0.0015	0.0013	0.0013	0.0011	0.0011	0.0012	0.0011
Barium	mg/l	0.065	0.068	0.063	0.06	0.061	0.064	0.065	0.067	0.068	0.06	0.065	0.066	0.06	0.063	0.059	0.066
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.0006	0.00055	0.00041	0.00039	0.00032	0.00042	0.00036	0.00054	0.00063	0.00026	0.0006	0.00034	0.00084	0.00048	0.00029	0.0002
Cobalt	mg/l	< 0.005	0.00042	0.00038	0.00036	0.00036	0.00036	0.00038	0.00039	0.00041	0.00035	0.0004	0.00038	0.00039	0.00037	0.0004	0.0004
Copper	mg/l	< 0.005	0.00094	0.00089	0.00082	0.00077	0.00086	0.00093	0.00093	0.001	0.0008	0.00098	0.00084	0.0011	0.0011	< 0.005	0.00089
Hardness	mg/l	280	300	290	280	280	290	300	300	300	280	290	300	270	280	280	290
Iron	mg/l	0.33	0.43	0.33	0.3	0.29	0.32	0.3	0.38	0.44	0.23	0.42	0.28	0.57	0.4	0.27	0.3
Lead	mg/l	0.00043	0.00053	0.00048	0.00047	0.00044	0.00046	0.00034	0.00047	0.00062	0.00031	0.00061	0.00033	0.00088	0.00052	0.00051	0.00036
Manganese	mg/l	0.054	0.083	0.067	0.063	0.063	0.068	0.055	0.061	0.062	0.06	0.053	0.048	0.057	0.049	0.06	0.078
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000096	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	0.00091	0.00079	< 0.005	0.00072	< 0.005	< 0.005	0.00062	< 0.005	< 0.005	0.00063	< 0.005	< 0.005	0.00061	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00038	0.00061	0.00035	0.00034	0.00036	0.0004	0.00043	0.00054	0.00056	0.00035	0.00054	0.00038	0.00053	0.00047	0.00047	0.00044
Zinc	mg/l	0.0047	0.0028	0.0023	0.0018	0.0013	0.0016	0.0028	0.002	0.003	< 0.01	0.003	0.0026	0.0048	0.0045	0.0026	0.0017
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/20/2010 4:10 PM	9/21/2010 9:30 AM	9/21/2010 9:31 AM	9/21/2010 9:48 AM	9/21/2010 10:06 AM	9/21/2010 10:06 AM	9/21/2010 10:15 AM	9/21/2010 10:35 AM	9/21/2010 11:15 AM	9/21/2010 11:58 AM	9/21/2010 2:45 PM	9/21/2010 2:50 PM	9/21/2010 3:55 PM	9/21/2010 4:45 PM	9/22/2010 8:33 AM	9/22/2010 8:50 AM
	Sample	WSE092016 10ARM1	WSE092109 30JDF1	WSE092109 31RCM1	WSE092109 48RCM1	WSE092110 06RCM1	WSE092110 06RCM2	WSE092110 15ARM3	WSE092110 35JDF1	WSE092111 15JDF1	WSE092111 58RCM1	WSE092114 45JDF1	WSE092114 50ARM1	WSE092115 55ARM1	WSE092116 45ARM1	WSE092208 33RCM1	WSE092208 50JDF1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/20/2010 4:10 PM	9/21/2010 9:30 AM	9/21/2010 9:31 AM	9/21/2010 9:48 AM	9/21/2010 10:06 AM	9/21/2010 10:06 AM	9/21/2010 10:15 AM	9/21/2010 10:35 AM	9/21/2010 11:15 AM	9/21/2010 11:58 AM	9/21/2010 2:45 PM	9/21/2010 2:50 PM	9/21/2010 3:55 PM	9/21/2010 4:45 PM	9/22/2010 8:33 AM	9/22/2010 8:50 AM
	Sample	WSE092016 10ARM1	WSE092109 30JDF1	WSE092109 31RCM1	WSE092109 48RCM1	WSE092110 06RCM1	WSE092110 06RCM2	WSE092110 15ARM3	WSE092110 35JDF1	WSE092111 15JDF1	WSE092111 58RCM1	WSE092114 45JDF1	WSE092114 50ARM1	WSE092115 55ARM1	WSE092116 45ARM1	WSE092208 33RCM1	WSE092208 50JDF1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	5.5	< 6	< 6	< 6	5.5	< 6	< 6	7	5	8.5	< 6	11	6.5	< 6	5.5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	2.7	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/20/2010 4:10 PM	9/21/2010 9:30 AM	9/21/2010 9:31 AM	9/21/2010 9:48 AM	9/21/2010 10:06 AM	9/21/2010 10:06 AM	9/21/2010 10:15 AM	9/21/2010 10:35 AM	9/21/2010 11:15 AM	9/21/2010 11:58 AM	9/21/2010 2:45 PM	9/21/2010 2:50 PM	9/21/2010 3:55 PM	9/21/2010 4:45 PM	9/22/2010 8:33 AM	9/22/2010 8:50 AM
	Sample	WSE092016 10ARM1	WSE092109 30JDF1	WSE092109 31RCM1	WSE092109 48RCM1	WSE092110 06RCM1	WSE092110 06RCM2	WSE092110 15ARM3	WSE092110 35JDF1	WSE092111 15JDF1	WSE092111 58RCM1	WSE092114 45JDF1	WSE092114 50ARM1	WSE092115 55ARM1	WSE092116 45ARM1	WSE092208 33RCM1	WSE092208 50JDF1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.16	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/22/2010 8:52 AM	9/22/2010 9:30 AM	9/22/2010 9:30 AM	9/22/2010 9:45 AM	9/22/2010 9:45 AM	9/22/2010 10:20 AM	9/22/2010 10:35 AM	9/22/2010 10:43 AM	9/22/2010 11:05 AM	9/22/2010 11:25 AM	9/22/2010 11:25 AM	9/22/2010 1:35 PM	9/22/2010 2:15 PM	9/22/2010 3:35 PM	9/23/2010 8:43 AM	9/23/2010 9:01 AM
	Sample	WSE092208 52RCM1	WSE092209 30ARM1	WSE092209 30ARM2	WSE092209 45JDF1	WSE092209 45JDF2	WSE092210 20RCM1	WSE092210 35JDF1	WSE092210 43RCM1	WSE092211 05RCM1	WSE092211 25ARM1	WSE092211 25RCM3	WSE092213 35JDF1	WSE092214 15ARM1	WSE092215 35JDF1	WSE092308 43RCM1	WSE092309 01RCM1
Analyte	Units	Result	Result	Duplicate	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.5	3.5	3.5	3.4	3.4	3.6	3.5	3.6	3.6	3.4	3.5	3.5	3.5	3.5	3.9	3.9
Metals																	
Antimony	mg/l	< 0.002	0.0036	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0013	0.0011	0.0011	0.00098	0.0012	0.0014	0.0011	0.0012	0.0011	0.0009	0.001	0.0012	0.0011	0.0012	0.001	0.0014
Barium	mg/l	0.06	0.064	0.065	0.064	0.064	0.064	0.064	0.065	0.062	0.064	0.061	0.063	0.064	0.063	0.058	0.061
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00018	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.0003	0.00028	0.00023	0.00019	0.00029	0.00047	0.00042	0.00039	0.00028	0.00022	0.00053	0.00023	0.00018	0.00022	< 0.005	< 0.005
Cobalt	mg/l	0.00041	0.00046	0.00041	0.00038	0.00038	0.00041	0.00039	0.00043	0.0004	0.00039	0.0004	0.00038	0.0004	0.00038	0.00049	0.00052
Copper	mg/l	< 0.005	0.0011	0.001	0.0009	0.00091	< 0.005	0.00093	0.0013	0.0011	0.00095	0.0012	0.0009	0.00099	0.0014	< 0.005	< 0.005
Hardness	mg/l	290	290	300	290	290	290	280	300	290	290	290	290	290	280	280	290
Iron	mg/l	0.27	0.26	0.27	0.23	0.22	0.34	0.24	0.3	0.24	0.21	0.28	0.25	0.2	0.25	0.24	0.24
Lead	mg/l	0.00051	0.00037	0.00034	0.00029	0.0003	0.00068	0.00033	0.00054	0.00039	0.00024	0.00046	0.00031	0.00025	0.00033	0.00031	0.00032
Manganese	mg/l	0.061	0.054	0.059	0.054	0.055	0.069	0.057	0.06	0.046	0.045	0.045	0.065	0.047	0.066	0.056	0.06
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.001	0.001
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00048	< 0.005	< 0.005	< 0.005	0.00045	0.00036
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00069	< 0.005
Silver	mg/l	< 0.0002	0.000015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	0.00011	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00041	0.00052	0.00045	0.00039	0.00049	0.00031	0.00053	0.00071	0.00046	0.00057	0.00054	0.00059	0.00053	0.00053	< 0.004	< 0.004
Zinc	mg/l	0.0017	0.0017	0.0017	< 0.01	0.002	0.0027	0.0027	0.0024	0.0014	< 0.01	0.0029	0.0029	0.0017	0.0027	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/22/2010 8:52 AM	9/22/2010 9:30 AM	9/22/2010 9:30 AM	9/22/2010 9:45 AM	9/22/2010 9:45 AM	9/22/2010 10:20 AM	9/22/2010 10:35 AM	9/22/2010 10:43 AM	9/22/2010 11:05 AM	9/22/2010 11:25 AM	9/22/2010 11:25 AM	9/22/2010 1:35 PM	9/22/2010 2:15 PM	9/22/2010 3:35 PM	9/23/2010 8:43 AM	9/23/2010 9:01 AM
	Sample	WSE092208 52RCM1	WSE092209 30ARM1	WSE092209 30ARM2	WSE092209 45JDF1	WSE092209 45JDF2	WSE092210 20RCM1	WSE092210 35JDF1	WSE092210 43RCM1	WSE092211 05RCM1	WSE092211 25ARM1	WSE092211 25RCM3	WSE092213 35JDF1	WSE092214 15ARM1	WSE092215 35JDF1	WSE092308 43RCM1	WSE092309 01RCM1
Analyte	Units	Result	Result	Duplicate	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/22/2010 8:52 AM	9/22/2010 9:30 AM	9/22/2010 9:30 AM	9/22/2010 9:45 AM	9/22/2010 9:45 AM	9/22/2010 10:20 AM	9/22/2010 10:35 AM	9/22/2010 10:43 AM	9/22/2010 11:05 AM	9/22/2010 11:25 AM	9/22/2010 11:25 AM	9/22/2010 1:35 PM	9/22/2010 2:15 PM	9/22/2010 3:35 PM	9/23/2010 8:43 AM	9/23/2010 9:01 AM
	Sample	WSE092208 52RCM1	WSE092209 30ARM1	WSE092209 30ARM2	WSE092209 45JDF1	WSE092209 45JDF2	WSE092210 20RCM1	WSE092210 35JDF1	WSE092210 43RCM1	WSE092211 05RCM1	WSE092211 25ARM1	WSE092211 25RCM3	WSE092213 35JDF1	WSE092214 15ARM1	WSE092215 35JDF1	WSE092308 43RCM1	WSE092309 01RCM1
Analyte	Units	Result	Result	Duplicate	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/23/2010 9:05 AM	9/23/2010 9:19 AM	9/23/2010 9:45 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 11:15 AM	9/23/2010 11:30 AM	9/23/2010 11:48 AM	9/23/2010 2:30 PM	9/23/2010 2:45 PM	9/23/2010 3:30 PM	9/23/2010 3:35 PM	9/23/2010 4:15 PM	9/23/2010 4:15 PM	9/25/2010 8:21 AM
	Sample	WSE092309 05JDF1	WSE092309 19RCM1	WSE092309 45ARM1	WSE092310 35JDF1	WSE092310 35RCM1	WSE092310 35RCM2	WSE092311 15JDF1	WSE092311 30JDF1	WSE092311 48RCM1	WSE092314 30ARM1	WSE092314 45JDF1	WSE092315 30JDF1	WSE092315 35ARM1	WSE092316 15JDF1	WSE092316 15ARM1	WSE092508 21RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.5	4.1	4	3.5	4	4.3	3.6	3.5	3.9	3.5	3.5	3.6	3.4	3.6	3.9	4.2
Metals																	
Antimony	mg/l	0.0046	< 0.002	< 0.002	0.0017	< 0.002	< 0.002	0.00097	0.00052	< 0.002	< 0.002	0.00039	0.00017	< 0.002	< 0.002	< 0.002	0.00017
Arsenic	mg/l	0.0017	0.0012	0.0013	0.0016	0.0012	0.0011	0.0014	0.0013	0.00087	0.0012	0.0013	0.0011	0.0011	0.00099	0.0013	0.00097
Barium	mg/l	0.065	0.06	0.064	0.061	0.059	0.059	0.062	0.061	0.062	0.064	0.06	0.061	0.064	0.064	0.062	0.06
Beryllium	mg/l	0.00058	< 0.001	< 0.001	0.00046	< 0.001	< 0.001	0.00042	0.00012	< 0.001	< 0.001	0.0001	< 0.001	< 0.001	< 0.001	< 0.001	0.00015
Cadmium	mg/l	0.00042	< 0.001	< 0.001	0.00041	< 0.001	< 0.001	0.00033	0.00011	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.0009	0.00053	0.00048	0.00089	0.0005	0.00051	0.00083	0.0006	0.00053	0.00049	0.00052	0.00049	0.00049	0.00051	0.00049	0.00066
Copper	mg/l	0.0017	< 0.005	< 0.005	0.0018	< 0.005	< 0.005	0.0014	0.001	< 0.005	0.0022	0.0022	0.003	0.002	0.003	< 0.005	0.0017
Hardness	mg/l	290	290	280	290	280	280	290	280	290	290	280	280	290	290	280	300
Iron	mg/l	0.42	0.24	0.28	0.33	0.23	0.22	0.32	0.26	0.23	0.24	0.26	0.26	0.28	0.28	0.24	0.33
Lead	mg/l	0.00085	0.00047	0.0004	0.00073	0.0003	0.00028	0.00064	0.00041	0.00029	0.00026	0.00051	0.00043	0.00039	0.00045	0.00033	0.0005
Manganese	mg/l	0.084	0.059	0.06	0.063	0.057	0.056	0.064	0.06	0.059	0.048	0.068	0.067	0.06	0.069	0.047	0.051
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000032	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	0.0011	0.00095	< 0.005	0.00097	0.00097	< 0.005	< 0.005	0.00095	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.001	0.0012
Nickel	mg/l	0.0012	0.00051	0.00032	0.0032	0.00036	0.00053	0.0012	0.00075	0.00045	0.00061	< 0.005	< 0.005	0.00076	< 0.005	0.00019	0.0012
Selenium	mg/l	0.0011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	0.00014	< 0.0002	< 0.0002	0.000093	< 0.0002	< 0.0002	0.000064	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000081
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00012	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	0.005	< 0.004	< 0.004	0.005	0.0042	< 0.004	< 0.004	< 0.004	0.005	< 0.004	0.0046	< 0.004	0.00012
Zinc	mg/l	0.0034	0.0043	0.0048	0.0044	< 0.01	< 0.01	0.003	0.0023	< 0.01	0.0028	0.0047	0.0026	0.002	0.0036	0.0026	0.0025
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/23/2010 9:05 AM	9/23/2010 9:19 AM	9/23/2010 9:45 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 11:15 AM	9/23/2010 11:30 AM	9/23/2010 11:48 AM	9/23/2010 2:30 PM	9/23/2010 2:45 PM	9/23/2010 3:30 PM	9/23/2010 3:35 PM	9/23/2010 4:15 PM	9/23/2010 4:15 PM	9/25/2010 8:21 AM
	Sample	WSE092309 05JDF1	WSE092309 19RCM1	WSE092309 45ARM1	WSE092310 35JDF1	WSE092310 35RCM1	WSE092310 35RCM2	WSE092311 15JDF1	WSE092311 30JDF1	WSE092311 48RCM1	WSE092314 30ARM1	WSE092314 45JDF1	WSE092315 30JDF1	WSE092315 35ARM1	WSE092316 15JDF1	WSE092316 15ARM1	WSE092508 21RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.77	< 5	0.34
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 40	0.26	< 20	< 20	0.35	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 10	0.27	< 5	< 5	0.28	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/23/2010 9:05 AM	9/23/2010 9:19 AM	9/23/2010 9:45 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 11:15 AM	9/23/2010 11:30 AM	9/23/2010 11:48 AM	9/23/2010 2:30 PM	9/23/2010 2:45 PM	9/23/2010 3:30 PM	9/23/2010 3:35 PM	9/23/2010 4:15 PM	9/23/2010 4:15 PM	9/25/2010 8:21 AM
	Sample	WSE092309 05JDF1	WSE092309 19RCM1	WSE092309 45ARM1	WSE092310 35JDF1	WSE092310 35RCM1	WSE092310 35RCM2	WSE092311 15JDF1	WSE092311 30JDF1	WSE092311 48RCM1	WSE092314 30ARM1	WSE092314 45JDF1	WSE092315 30JDF1	WSE092315 35ARM1	WSE092316 15JDF1	WSE092316 15ARM1	WSE092508 21RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	5	< 6	< 6	< 6	< 6	8
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	3.7	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/23/2010 9:05 AM	9/23/2010 9:19 AM	9/23/2010 9:45 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 10:35 AM	9/23/2010 11:15 AM	9/23/2010 11:30 AM	9/23/2010 11:48 AM	9/23/2010 2:30 PM	9/23/2010 2:45 PM	9/23/2010 3:30 PM	9/23/2010 3:35 PM	9/23/2010 4:15 PM	9/23/2010 4:15 PM	9/25/2010 8:21 AM
	Sample	WSE092309 05JDF1	WSE092309 19RCM1	WSE092309 45ARM1	WSE092310 35JDF1	WSE092310 35RCM1	WSE092310 35RCM2	WSE092311 15JDF1	WSE092311 30JDF1	WSE092311 48RCM1	WSE092314 30ARM1	WSE092314 45JDF1	WSE092315 30JDF1	WSE092315 35ARM1	WSE092316 15JDF1	WSE092316 15ARM1	WSE092508 21RCM1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 8:21 AM	9/25/2010 8:45 AM	9/25/2010 9:05 AM	9/25/2010 9:30 AM	9/25/2010 9:35 AM	9/25/2010 9:50 AM	9/25/2010 9:55 AM	9/25/2010 10:15 AM	9/25/2010 10:30 AM	9/25/2010 10:45 AM	9/25/2010 10:55 AM	9/25/2010 10:55 AM	9/25/2010 11:45 AM	9/25/2010 11:45 AM	9/26/2010 9:05 AM	9/26/2010 9:25 AM
	Sample	WSE092508 21RCM2	WSE092508 45ARM1	WSE092509 05JDF1	WSE092509 30ARM1	WSE092509 35RCM1	WSE092509 50RCM1	WSE092509 55JDF1	WSE092510 15RCM1	WSE092510 30JDF1	WSE092510 45ARM1	WSE092510 55JDF1	WSE092510 55RCM1	WSE092511 45ARM1	WSE092511 45ARM2	WSE092609 05RCM1	WSE092609 25RCM1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4.2	3.5	4	3.7	4	4	3.9	4	3.9	4.2	4	4	4.2	4.2	3.6	3.7
Metals																	
Antimony	mg/l	0.00016	< 0.002	0.00091	< 0.002	< 0.002	< 0.002	0.00052	< 0.002	0.00025	0.00017	0.00027	< 0.002	0.00015	0.0027	< 0.002	< 0.002
Arsenic	mg/l	0.0011	0.0014	0.0011	0.0015	0.0012	0.0013	0.0012	0.0011	0.0015	0.0012	0.0013	0.0014	0.0012	0.0014	0.0013	0.0011
Barium	mg/l	0.085	0.071	0.068	0.071	0.068	0.067	0.065	0.062	0.065	0.072	0.063	0.07	0.07	0.07	0.064	0.06
Beryllium	mg/l	0.000075	< 0.001	0.000075	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00011	< 0.001	0.00019	< 0.001	< 0.001	0.00016	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.00068	< 0.005	0.00073	< 0.005	0.00066	0.00068	0.00074	0.00066	0.00081	0.00073	0.0007	0.0007	0.00073	0.00076	< 0.005	< 0.005
Copper	mg/l	0.0017	0.0014	0.0039	0.0014	0.002	0.0017	0.0038	0.0015	0.0016	0.0029	0.0018	0.0017	0.0031	0.004	< 0.005	< 0.005
Hardness	mg/l	300	300	300	300	310	310	300	290	310	320	300	300	310	300	310	300
Iron	mg/l	0.37	0.42	0.44	0.37	0.42	0.37	0.4	0.29	0.38	0.34	0.32	0.44	0.46	0.43	0.34	0.33
Lead	mg/l	0.00062	0.00057	0.00047	0.00046	0.00065	0.0006	0.00058	0.0004	0.00068	0.00032	0.00057	0.00074	0.00055	0.00055	< 0.003	< 0.003
Manganese	mg/l	0.078	0.058	0.068	0.054	0.042	0.04	0.052	0.042	0.052	0.056	0.047	0.034	0.06	0.06	0.07	0.063
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	0.00014	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.001	< 0.005	0.0013	< 0.005	0.0012	0.0011	0.0012	0.001	0.0013	0.0012	0.0013	0.0011	0.0012	0.0017	< 0.005	< 0.005
Nickel	mg/l	0.0013	0.00065	0.0041	0.0004	0.0011	0.001	0.0022	0.001	0.005	0.0047	0.00093	0.0013	0.0028	0.0067	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	0.00087	0.001	0.00062	< 0.005	0.00061	0.00074	< 0.005	0.0011	0.00061	< 0.005	0.00074	< 0.005	< 0.005
Silver	mg/l	0.000038	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00027	< 0.0002	0.00012	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00015	< 0.002	< 0.002	< 0.002	< 0.002	0.00023	< 0.002	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	0.0073	< 0.004	0.00049	0.00052	0.0074	0.00054	0.0019	0.0061	< 0.004	0.00045	0.007	0.0064	< 0.004	< 0.004
Zinc	mg/l	0.0029	0.0058	0.0027	0.0036	0.0029	0.0024	0.0025	0.0024	0.0033	0.002	0.0031	0.0029	0.0026	0.0051	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 8:21 AM	9/25/2010 8:45 AM	9/25/2010 9:05 AM	9/25/2010 9:30 AM	9/25/2010 9:35 AM	9/25/2010 9:50 AM	9/25/2010 9:55 AM	9/25/2010 10:15 AM	9/25/2010 10:30 AM	9/25/2010 10:45 AM	9/25/2010 10:55 AM	9/25/2010 10:55 AM	9/25/2010 11:45 AM	9/25/2010 11:45 AM	9/26/2010 9:05 AM	9/26/2010 9:25 AM
	Sample	WSE092508 21RCM2	WSE092508 45ARM1	WSE092509 05JDF1	WSE092509 30ARM1	WSE092509 35RCM1	WSE092509 50RCM1	WSE092509 55JDF1	WSE092510 15RCM1	WSE092510 30JDF1	WSE092510 45ARM1	WSE092510 55JDF1	WSE092510 55RCM1	WSE092511 45ARM1	WSE092511 45ARM2	WSE092609 05RCM1	WSE092609 25RCM1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	0.46	< 5	0.78	0.72	0.37	0.44	0.35	0.3	0.26	0.77	0.39	0.4	0.83	0.75	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 8:21 AM	9/25/2010 8:45 AM	9/25/2010 9:05 AM	9/25/2010 9:30 AM	9/25/2010 9:35 AM	9/25/2010 9:50 AM	9/25/2010 9:55 AM	9/25/2010 10:15 AM	9/25/2010 10:30 AM	9/25/2010 10:45 AM	9/25/2010 10:55 AM	9/25/2010 10:55 AM	9/25/2010 11:45 AM	9/25/2010 11:45 AM	9/26/2010 9:05 AM	9/26/2010 9:25 AM
	Sample	WSE092508 21RCM2	WSE092508 45ARM1	WSE092509 05JDF1	WSE092509 30ARM1	WSE092509 35RCM1	WSE092509 50RCM1	WSE092509 55JDF1	WSE092510 15RCM1	WSE092510 30JDF1	WSE092510 45ARM1	WSE092510 55JDF1	WSE092510 55RCM1	WSE092511 45ARM1	WSE092511 45ARM2	WSE092609 05RCM1	WSE092609 25RCM1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	14	5.5	8.5	6.5	32	10	12	5	7	< 6	8.5	8.5	5.5	6.5	10	10
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	1.1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	0.74	< 20	< 20	< 20	< 20	1.3	< 20	< 20	< 20	0.61
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/25/2010 8:21 AM	9/25/2010 8:45 AM	9/25/2010 9:05 AM	9/25/2010 9:30 AM	9/25/2010 9:35 AM	9/25/2010 9:50 AM	9/25/2010 9:55 AM	9/25/2010 10:15 AM	9/25/2010 10:30 AM	9/25/2010 10:45 AM	9/25/2010 10:55 AM	9/25/2010 10:55 AM	9/25/2010 11:45 AM	9/25/2010 11:45 AM	9/26/2010 9:05 AM	9/26/2010 9:25 AM
	Sample	WSE092508 21RCM2	WSE092508 45ARM1	WSE092509 05JDF1	WSE092509 30ARM1	WSE092509 35RCM1	WSE092509 50RCM1	WSE092509 55JDF1	WSE092510 15RCM1	WSE092510 30JDF1	WSE092510 45ARM1	WSE092510 55JDF1	WSE092510 55RCM1	WSE092511 45ARM1	WSE092511 45ARM2	WSE092609 05RCM1	WSE092609 25RCM1
Analyte	Units	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	0.55	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.2	0.19	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/26/2010 9:35 AM	9/26/2010 9:45 AM	9/26/2010 9:47 AM	9/26/2010 10:12 AM	9/26/2010 10:28 AM	9/26/2010 10:35 AM	9/26/2010 10:40 AM	9/26/2010 11:18 AM	9/26/2010 11:30 AM	9/26/2010 11:30 AM	9/26/2010 11:55 AM	9/26/2010 3:10 PM	9/26/2010 3:35 PM	9/26/2010 3:55 PM	9/27/2010 9:31 AM	9/27/2010 9:35 AM
	Sample	WSE092609 35JDF1	WSE092609 45ARM1	WSE092609 47RCM1	WSE092610 12RCM1	WSE092610 28RCM1	WSE092610 35JDF1	WSE092610 40ARM1	WSE092611 18RCM3	WSE092611 30JDF1	WSE092611 30ARM1	WSE092611 55JDF1	WSE092615 10JDF1	WSE092615 35JDF1	WSE092615 55JDF1	WSE092709 31RCM1	WSE092709 35JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	0.26	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/26/2010 9:35 AM	9/26/2010 9:45 AM	9/26/2010 9:47 AM	9/26/2010 10:12 AM	9/26/2010 10:28 AM	9/26/2010 10:35 AM	9/26/2010 10:40 AM	9/26/2010 11:18 AM	9/26/2010 11:30 AM	9/26/2010 11:30 AM	9/26/2010 11:55 AM	9/26/2010 3:10 PM	9/26/2010 3:35 PM	9/26/2010 3:55 PM	9/27/2010 9:31 AM	9/27/2010 9:35 AM
	Sample	WSE092609 35JDF1	WSE092609 45ARM1	WSE092609 47RCM1	WSE092610 12RCM1	WSE092610 28RCM1	WSE092610 35JDF1	WSE092610 40ARM1	WSE092611 18RCM3	WSE092611 30JDF1	WSE092611 30ARM1	WSE092611 55JDF1	WSE092615 10JDF1	WSE092615 35JDF1	WSE092615 55JDF1	WSE092709 31RCM1	WSE092709 35JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	5	< 6	7.5	6	5.5	6	< 6	< 6	< 6	< 6	7.5	9	6.5	7.5	7	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.83	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

	Date Collected	9/26/2010 9:35 AM	9/26/2010 9:45 AM	9/26/2010 9:47 AM	9/26/2010 10:12 AM	9/26/2010 10:28 AM	9/26/2010 10:35 AM	9/26/2010 10:40 AM	9/26/2010 11:18 AM	9/26/2010 11:30 AM	9/26/2010 11:30 AM	9/26/2010 11:55 AM	9/26/2010 3:10 PM	9/26/2010 3:35 PM	9/26/2010 3:55 PM	9/27/2010 9:31 AM	9/27/2010 9:35 AM
	Sample	WSE092609 35JDF1	WSE092609 45ARM1	WSE092609 47RCM1	WSE092610 12RCM1	WSE092610 28RCM1	WSE092610 35JDF1	WSE092610 40ARM1	WSE092611 18RCM3	WSE092611 30JDF1	WSE092611 30ARM1	WSE092611 55JDF1	WSE092615 10JDF1	WSE092615 35JDF1	WSE092615 55JDF1	WSE092709 31RCM1	WSE092709 35JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	0.14	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/27/2010 9:40 AM	9/27/2010 9:48 AM	9/27/2010 10:15 AM	9/27/2010 10:35 AM	9/27/2010 10:48 AM	9/27/2010 10:55 AM	9/27/2010 11:25 AM	9/27/2010 2:20 PM	9/27/2010 2:20 PM	9/27/2010 2:20 PM	9/28/2010 11:25 AM	9/28/2010 12:05 PM	9/28/2010 1:30 PM	9/28/2010 1:47 PM	9/28/2010 2:40 PM	9/28/2010 3:35 PM
	Sample	WSE092709 40ARM1	WSE092709 48RCM1	WSE092710 15RCM1	WSE092710 35JDF1	WSE092710 48RCM1	WSE092710 55JDF1	WSE092711 25ARM1	WSE092714 20JDF1	WSE092714 20JDF2	WSE092714 20ARM1	WSE092811 25ARM1	WSE092812 05ARM1	WSE092813 30JDF1	WSE092813 47RCM1	WSE092814 40ARM1	WSE092815 35ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	4.1	4.3	4.2	4.1	4.3	3.9	4	4	3.3	4	3.3	3.3	3.8	< 0.5	3.4	3.3
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0003	0.00016	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0012	0.0013	0.0011	0.0012	0.0011	0.0012	0.001	0.0013	0.00097	0.0013	0.00087	0.00062	0.0012	0.00069	0.0013	0.00096
Barium	mg/l	0.064	0.06	0.06	0.064	0.061	0.065	0.063	0.062	0.064	0.063	0.063	0.062	0.062	0.054	0.061	0.063
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00019	0.000082	< 0.001	0.000048	< 0.001	< 0.001	0.000094	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.0008	0.00078	0.00077	0.00085	0.00079	0.00088	0.0008	0.00087	0.00087	0.00085	< 0.005	< 0.005	0.00013	< 0.005	< 0.005	< 0.005
Copper	mg/l	0.0014	0.0014	0.0034	0.0016	0.0029	0.0018	0.0017	0.0024	0.0019	0.0015	< 0.005	< 0.005	0.0011	< 0.005	< 0.005	< 0.005
Hardness	mg/l	310	300	300	300	300	310	310	300	300	310	290	300	300	280	290	300
Iron	mg/l	0.29	0.29	0.26	0.33	0.26	0.34	0.26	0.27	0.28	0.27	0.2	0.27	0.21	0.16	0.16	0.74
Lead	mg/l	0.00031	0.00051	0.00041	0.00033	0.00038	0.00037	0.00025	0.0002	0.00022	0.00033	0.00034	0.00028	< 0.003	0.00038	0.00025	0.00032
Manganese	mg/l	0.052	0.059	0.053	0.058	0.054	0.061	0.043	0.037	0.038	0.04	0.048	0.044	0.063	0.048	0.04	0.046
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000025	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0012	0.0011	< 0.005	0.00097	0.00095	0.00092
Nickel	mg/l	0.007	0.0064	0.0068	0.0074	0.0065	0.0076	0.0068	0.0073	0.0073	0.0068	< 0.005	< 0.005	0.00065	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00029	< 0.002	< 0.002	0.00013	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.0047	< 0.004	0.0016	0.0035	< 0.004	0.00036	0.00038	0.00041	0.00048	0.00044	0.00033
Zinc	mg/l	0.0052	0.0024	0.0038	0.0026	0.0021	0.0055	0.0038	0.0029	0.0038	0.0042	0.0046	0.0034	0.014	0.0017	0.0015	0.0036
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 13	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/27/2010 9:40 AM	9/27/2010 9:48 AM	9/27/2010 10:15 AM	9/27/2010 10:35 AM	9/27/2010 10:48 AM	9/27/2010 10:55 AM	9/27/2010 11:25 AM	9/27/2010 2:20 PM	9/27/2010 2:20 PM	9/27/2010 2:20 PM	9/28/2010 11:25 AM	9/28/2010 12:05 PM	9/28/2010 1:30 PM	9/28/2010 1:47 PM	9/28/2010 2:40 PM	9/28/2010 3:35 PM
	Sample	WSE092709 40ARM1	WSE092709 48RCM1	WSE092710 15RCM1	WSE092710 35JDF1	WSE092710 48RCM1	WSE092710 55JDF1	WSE092711 25ARM1	WSE092714 20JDF1	WSE092714 20JDF2	WSE092714 20ARM1	WSE092811 25ARM1	WSE092812 05ARM1	WSE092813 30JDF1	WSE092813 47RCM1	WSE092814 40ARM1	WSE092815 35ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 13	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 27	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6.7	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/27/2010 9:40 AM	9/27/2010 9:48 AM	9/27/2010 10:15 AM	9/27/2010 10:35 AM	9/27/2010 10:48 AM	9/27/2010 10:55 AM	9/27/2010 11:25 AM	9/27/2010 2:20 PM	9/27/2010 2:20 PM	9/27/2010 2:20 PM	9/28/2010 11:25 AM	9/28/2010 12:05 PM	9/28/2010 1:30 PM	9/28/2010 1:47 PM	9/28/2010 2:40 PM	9/28/2010 3:35 PM
	Sample	WSE092709 40ARM1	WSE092709 48RCM1	WSE092710 15RCM1	WSE092710 35JDF1	WSE092710 48RCM1	WSE092710 55JDF1	WSE092711 25ARM1	WSE092714 20JDF1	WSE092714 20JDF2	WSE092714 20ARM1	WSE092811 25ARM1	WSE092812 05ARM1	WSE092813 30JDF1	WSE092813 47RCM1	WSE092814 40ARM1	WSE092815 35ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.16	0.19	< 1	< 1	0.19	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 8:45 AM	9/29/2010 9:05 AM	9/29/2010 9:38 AM	9/29/2010 9:59 AM	9/29/2010 10:05 AM	9/29/2010 10:10 AM	9/29/2010 10:10 AM	9/29/2010 11:10 AM	9/29/2010 11:11 AM	9/29/2010 11:28 AM	9/29/2010 11:31 AM	9/29/2010 11:51 AM	9/29/2010 12:15 PM	9/29/2010 2:10 PM	9/29/2010 3:10 PM	9/29/2010 3:45 PM
	Sample	WSE092908 45JDF1	WSE092909 05JDF1	WSE092909 38RCM1	WSE092909 59RCM1	WSE092910 05JDF1	WSE092910 10MAE1	WSE092910 10MAE2	WSE092911 10JDF1	WSE092911 11RCM1	WSE092911 28RCM1	WSE092911 31MAE1	WSE092911 51RCM1	WSE092912 15MAE1	WSE092914 10JDF1	WSE092915 10JDF1	WSE092915 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.8	3.5	3.5	3.4	3.8	3.9	3.9	3.9	3.4	3.4	3.8	3.4	3.8	3.8	3.9	4
Metals																	
Antimony	mg/l	0.00037	0.00029	< 0.002	< 0.002	0.00023	< 0.002	< 0.002	0.00017	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00014	0.00015	0.00013
Arsenic	mg/l	< 0.005	< 0.005	0.0015	0.0013	< 0.005	< 0.005	< 0.005	< 0.005	0.0014	0.0015	< 0.005	0.0017	< 0.005	< 0.005	< 0.005	< 0.005
Barium	mg/l	0.058	0.058	0.056	0.055	0.058	0.053	0.056	0.06	0.057	0.054	0.057	0.055	0.057	0.055	0.056	0.055
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	0.00078	0.00069	< 0.005	< 0.005	< 0.005	< 0.005	0.00065	0.00065	< 0.005	0.00068	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.000096	0.000082	0.00011	0.00012	0.000093	0.000086	0.00011	0.00014	0.00012	0.00012	0.00011	0.0001	0.00011	0.000098	0.0001	0.000088
Copper	mg/l	< 0.005	< 0.005	0.001	0.00068	< 0.005	< 0.005	< 0.005	< 0.005	0.00066	0.001	< 0.005	0.00082	< 0.005	< 0.005	< 0.005	< 0.005
Hardness	mg/l	270	270	280	280	280	260	280	280	270	260	270	270	280	270	270	280
Iron	mg/l	0.17	0.17	0.19	0.17	0.18	0.14	0.16	0.41	0.16	0.15	0.14	0.15	0.23	0.16	0.13	0.15
Lead	mg/l	0.00032	0.00032	0.00045	0.0004	0.00036	0.00019	0.00025	0.0009	0.00034	0.00034	0.00018	0.00033	0.00021	0.00027	0.00023	0.00028
Manganese	mg/l	0.048	0.049	0.063	0.061	0.052	0.043	0.048	0.11	0.049	0.048	0.04	0.049	0.038	0.045	0.049	0.046
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.00091	0.00092	< 0.005	< 0.005	0.00093	0.00084	0.00097	0.00078	< 0.005	< 0.005	0.00094	< 0.005	0.001	0.00084	0.001	0.00089
Nickel	mg/l	< 0.005	< 0.005	0.0018	0.0015	< 0.005	< 0.005	< 0.005	< 0.005	0.0015	0.0014	< 0.005	0.0013	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	0.00061	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00062
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00015	< 0.0002	< 0.0002	< 0.0002	0.00011	< 0.0002	0.000065	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00019	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00029	0.00029	0.00032	0.00032	0.00022	0.00024	0.00018	0.00033	0.00026	0.00032	0.00027	0.00023	0.00027	0.00025	0.00024	0.00032
Zinc	mg/l	0.0026	0.0043	< 0.01	< 0.01	0.013	0.0029	0.0035	0.015	< 0.01	< 0.01	0.0083	< 0.01	0.0056	0.0035	0.0071	0.0029
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 29	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 8:45 AM	9/29/2010 9:05 AM	9/29/2010 9:38 AM	9/29/2010 9:59 AM	9/29/2010 10:05 AM	9/29/2010 10:10 AM	9/29/2010 10:10 AM	9/29/2010 11:10 AM	9/29/2010 11:11 AM	9/29/2010 11:28 AM	9/29/2010 11:31 AM	9/29/2010 11:51 AM	9/29/2010 12:15 PM	9/29/2010 2:10 PM	9/29/2010 3:10 PM	9/29/2010 3:45 PM
	Sample	WSE092908 45JDF1	WSE092909 05JDF1	WSE092909 38RCM1	WSE092909 59RCM1	WSE092910 05JDF1	WSE092910 10MAE1	WSE092910 10MAE2	WSE092911 10JDF1	WSE092911 11RCM1	WSE092911 28RCM1	WSE092911 31MAE1	WSE092911 51RCM1	WSE092912 15MAE1	WSE092914 10JDF1	WSE092915 10JDF1	WSE092915 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 29	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 8:45 AM	9/29/2010 9:05 AM	9/29/2010 9:38 AM	9/29/2010 9:59 AM	9/29/2010 10:05 AM	9/29/2010 10:10 AM	9/29/2010 10:10 AM	9/29/2010 11:10 AM	9/29/2010 11:11 AM	9/29/2010 11:28 AM	9/29/2010 11:31 AM	9/29/2010 11:51 AM	9/29/2010 12:15 PM	9/29/2010 2:10 PM	9/29/2010 3:10 PM	9/29/2010 3:45 PM
	Sample	WSE092908 45JDF1	WSE092909 05JDF1	WSE092909 38RCM1	WSE092909 59RCM1	WSE092910 05JDF1	WSE092910 10MAE1	WSE092910 10MAE2	WSE092911 10JDF1	WSE092911 11RCM1	WSE092911 28RCM1	WSE092911 31MAE1	WSE092911 51RCM1	WSE092912 15MAE1	WSE092914 10JDF1	WSE092915 10JDF1	WSE092915 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 57	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 14	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Total Suspended Solids	mg/l	6	6.5	6	< 6	< 6	< 6	< 6	29	< 6	5.5	< 6	6.5	< 6	6	< 6	5.5
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	0.25	0.24	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	1.5	1.5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	4.3	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 8:45 AM	9/29/2010 9:05 AM	9/29/2010 9:38 AM	9/29/2010 9:59 AM	9/29/2010 10:05 AM	9/29/2010 10:10 AM	9/29/2010 10:10 AM	9/29/2010 11:10 AM	9/29/2010 11:11 AM	9/29/2010 11:28 AM	9/29/2010 11:31 AM	9/29/2010 11:51 AM	9/29/2010 12:15 PM	9/29/2010 2:10 PM	9/29/2010 3:10 PM	9/29/2010 3:45 PM
	Sample	WSE092908 45JDF1	WSE092909 05JDF1	WSE092909 38RCM1	WSE092909 59RCM1	WSE092910 05JDF1	WSE092910 10MAE1	WSE092910 10MAE2	WSE092911 10JDF1	WSE092911 11RCM1	WSE092911 28RCM1	WSE092911 31MAE1	WSE092911 51RCM1	WSE092912 15MAE1	WSE092914 10JDF1	WSE092915 10JDF1	WSE092915 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	0.48	0.48	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	0.92	0.93	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	0.22	0.24	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	0.7	0.69	< 1	< 1	< 1	0.17	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	0.7	0.72	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 4:05 PM	9/30/2010 9:40 AM	9/30/2010 9:55 AM	9/30/2010 10:15 AM	9/30/2010 10:18 AM	9/30/2010 10:36 AM	9/30/2010 10:40 AM	9/30/2010 10:58 AM	9/30/2010 11:50 AM	9/30/2010 12:10 PM	9/30/2010 12:25 PM	9/30/2010 12:45 PM	9/30/2010 1:25 PM	9/30/2010 1:55 PM	9/30/2010 2:00 PM
	Sample	WSE092916 05JDF1	WSE093009 40JDF1	WSE093009 55MAE1	WSE093010 15JDF1	WSE093010 18RCM1	WSE093010 36RCM1	WSE093010 40JDF1	WSE093010 58RCM1	WSE093011 50JDF1	WSE093012 10JDF1	WSE093012 25JDF1	WSE093012 45RCM1	WSE093013 25MAE1	WSE093013 55MAE1	WSE093014 00JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																
Total Organic Carbon	mg/l	4	3.8	3.1	3.8	4	4	3.9	3.9	3.8	3.8	3.9	4	3.2	3.2	3.6
Metals																
Antimony	mg/l	0.00013	0.00024	0.0013	0.00019	0.00026	< 0.002	0.00015	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00067	0.00041	< 0.002
Arsenic	mg/l	< 0.005	0.001	0.0011	0.00093	0.0012	0.0011	0.0013	0.001	0.0012	0.0011	0.00097	0.001	0.00095	0.00099	0.0011
Barium	mg/l	0.057	0.056	0.059	0.056	0.054	0.056	0.057	0.057	0.055	0.057	0.056	0.057	0.057	0.057	0.056
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.000095	0.00036	0.00035	0.00036	0.00027	0.00027	0.00036	0.00027	0.00034	0.00035	0.00036	0.00027	0.00032	0.00032	0.00034
Copper	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hardness	mg/l	270	310	320	310	320	330	310	330	310	320	320	330	320	320	310
Iron	mg/l	0.17	0.2	0.25	0.25	0.19	0.2	0.28	0.2	0.2	0.22	0.24	0.26	0.19	0.19	0.28
Lead	mg/l	0.00036	0.00026	0.0004	0.0004	0.00028	0.00026	0.00052	0.00027	0.00027	0.00029	0.0004	0.00042	0.00023	0.0002	0.00032
Manganese	mg/l	0.05	0.051	0.05	0.067	0.05	0.051	0.073	0.051	0.052	0.054	0.06	0.065	0.036	0.036	0.048
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.00086	0.00086	0.00098	0.00086	0.0014	0.001	0.00096	0.00091	0.0009	0.00088	0.00088	0.00086	0.00093	0.0009	0.00079
Nickel	mg/l	< 0.005	< 0.005	0.00028	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00027	0.00038	< 0.005
Selenium	mg/l	0.00076	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	0.00024	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Vanadium	mg/l	0.00036	0.00034	0.00026	0.00022	0.00018	< 0.004	0.00033	< 0.004	0.00032	0.00034	0.00035	< 0.004	0.00026	0.00025	0.00026
Zinc	mg/l	0.0059	< 0.01	0.0028	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0017	0.003	< 0.01
PCB																
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 4:05 PM	9/30/2010 9:40 AM	9/30/2010 9:55 AM	9/30/2010 10:15 AM	9/30/2010 10:18 AM	9/30/2010 10:36 AM	9/30/2010 10:40 AM	9/30/2010 10:58 AM	9/30/2010 11:50 AM	9/30/2010 12:10 PM	9/30/2010 12:25 PM	9/30/2010 12:45 PM	9/30/2010 1:25 PM	9/30/2010 1:55 PM	9/30/2010 2:00 PM
	Sample	WSE092916 05JDF1	WSE093009 40JDF1	WSE093009 55MAE1	WSE093010 15JDF1	WSE093010 18RCM1	WSE093010 36RCM1	WSE093010 40JDF1	WSE093010 58RCM1	WSE093011 50JDF1	WSE093012 10JDF1	WSE093012 25JDF1	WSE093012 45RCM1	WSE093013 25MAE1	WSE093013 55MAE1	WSE093014 00JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.98	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 4:05 PM	9/30/2010 9:40 AM	9/30/2010 9:55 AM	9/30/2010 10:15 AM	9/30/2010 10:18 AM	9/30/2010 10:36 AM	9/30/2010 10:40 AM	9/30/2010 10:58 AM	9/30/2010 11:50 AM	9/30/2010 12:10 PM	9/30/2010 12:25 PM	9/30/2010 12:45 PM	9/30/2010 1:25 PM	9/30/2010 1:55 PM	9/30/2010 2:00 PM
	Sample	WSE092916 05JDF1	WSE093009 40JDF1	WSE093009 55MAE1	WSE093010 15JDF1	WSE093010 18RCM1	WSE093010 36RCM1	WSE093010 40JDF1	WSE093010 58RCM1	WSE093011 50JDF1	WSE093012 10JDF1	WSE093012 25JDF1	WSE093012 45RCM1	WSE093013 25MAE1	WSE093013 55MAE1	WSE093014 00JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																
Total Suspended Solids	mg/l	6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
TPH																
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Specific Identification of Gasoline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VOC																
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	9/29/2010 4:05 PM	9/30/2010 9:40 AM	9/30/2010 9:55 AM	9/30/2010 10:15 AM	9/30/2010 10:18 AM	9/30/2010 10:36 AM	9/30/2010 10:40 AM	9/30/2010 10:58 AM	9/30/2010 11:50 AM	9/30/2010 12:10 PM	9/30/2010 12:25 PM	9/30/2010 12:45 PM	9/30/2010 1:25 PM	9/30/2010 1:55 PM	9/30/2010 2:00 PM
	Sample	WSE092916 05JDF1	WSE093009 40JDF1	WSE093009 55MAE1	WSE093010 15JDF1	WSE093010 18RCM1	WSE093010 36RCM1	WSE093010 40JDF1	WSE093010 58RCM1	WSE093011 50JDF1	WSE093012 10JDF1	WSE093012 25JDF1	WSE093012 45RCM1	WSE093013 25MAE1	WSE093013 55MAE1	WSE093014 00JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	0.84	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	0.16	< 1	< 1	< 1	< 1	< 1	0.19	< 1	< 1	< 1	< 1	0.31	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-b. Morrow Lake Surface Water Analytical Results September 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	10/6/2010 6:30 PM	10/27/2010 11:30 AM	10/29/2010 1:35 PM	10/29/2010 2:10 PM	10/1/2010 9:25 AM	10/1/2010 9:45 AM	10/1/2010 9:53 AM	10/1/2010 9:55 AM	10/1/2010 10:10 AM	10/1/2010 11:11 AM	10/1/2010 11:31 AM	10/1/2010 11:59 AM
	Sample						WSE100618 30LES1	WSE102711 30PMB1	WSE102913 35JDF1	WSE102914 10JDF1	WSE100109 25JDF1	WSE100109 45JDF1	WSE100109 53RCM1	WSE100109 55ARM3	WSE100110 10JDF1	WSE100111 11RCM1	WSE100111 31RCM1	WSE100111 59RCM1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																		
Total Organic Carbon	mg/l	NCE	NCE	NCE	NCE	NCE	2.9	---	---	---	3.9	3.8	3.9	3.3	3.8	3.3	3.3	3.2
Metals																		
Antimony	mg/l	1.1	2.3	0.24	NCE	0.13	0.0048	---	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.34	0.68	0.15	NCE	0.28	0.0012	---	---	---	0.00089	0.0009	0.001	0.0011	0.0012	0.00094	0.00087	0.0012
Barium	mg/l	NCE	NCE	NCE	NCE	160	0.057	---	---	---	0.054	0.052	0.048	0.057	0.05	0.054	0.052	0.055
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	0.00011	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	NCE	NCE	NCE	NCE	0.13	< 0.001	---	---	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	NCE	NCE	NCE	NCE	9.4	0.00053	---	---	---	0.00025	0.00029	0.0002	0.00055	0.00044	0.00038	0.00045	0.00036
Cobalt	mg/l	0.37	0.74	0.1	NCE	NCE	0.0004	---	---	---	0.00031	0.00031	0.0003	0.00033	0.0003	0.00031	0.00029	0.0003
Copper	mg/l	NCE	NCE	NCE	NCE	38	0.00094	---	---	---	< 0.005	< 0.005	< 0.005	0.0017	< 0.005	0.00098	0.0058	0.00071
Hardness	mg/l	NCE	NCE	NCE	NCE	NCE	280	---	---	---	310	300	310	300	300	290	280	300
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.23	0.47	0.48	0.45	0.48	0.21	0.17	0.33	0.2	0.31	0.28	0.25
Lead	mg/l	NCE	NCE	NCE	NCE	0.19	0.00029	---	---	---	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Manganese	mg/l	NCE	NCE	NCE	NCE	59	0.037	---	---	---	0.056	0.056	0.048	0.053	0.053	0.051	0.044	0.045
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	< 0.005	0.001	< 0.001	< 0.001	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.001	0.00083	0.00086
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.0016	< 0.005	0.0017	0.0017	0.00055	0.00052	0.00039	< 0.005	0.00059	< 0.005	< 0.005	< 0.005
Selenium	mg/l	0.062	0.12	0.005	NCE	2.7	< 0.005	---	---	---	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00064	< 0.005
Silver	mg/l	0.00054	0.0011	6e-005	NCE	11	0.000021	---	---	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	0.047	0.094	0.0072	NCE	0.0037	0.00012	---	---	---	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	---	0.0028	0.0031	0.0029	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	0.00021	0.00039	0.0004	0.00037	0.00038	0.00031	0.00043	0.00041	0.00037	0.00043	0.00034	0.00041
Zinc	mg/l	NCE	NCE	NCE	NCE	16	0.0042	---	---	---	0.0049	0.0062	< 0.01	< 0.01	0.0023	< 0.01	< 0.01	< 0.01
PCB																		
Aroclor 1016	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	NCE	NCE	NCE	NCE	NCE	< 0.4	---	---	---	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																		
1,2,4-Trichlorobenzene	ug/l	100	200	30	NCE	99	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	120	240	13	NCE	11000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	100	200	28	NCE	65	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	100	210	17	240	11000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	39	79	5	290	14000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	92	180	11	NCE	1100	< 10	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	1300	2700	380	NCE	8700	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	130	270	19	NCE	2800	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	10/6/2010 6:30 PM	10/27/2010 11:30 AM	10/29/2010 1:35 PM	10/29/2010 2:10 PM	10/1/2010 9:25 AM	10/1/2010 9:45 AM	10/1/2010 9:53 AM	10/1/2010 9:55 AM	10/1/2010 10:10 AM	10/1/2010 11:11 AM	10/1/2010 11:31 AM	10/1/2010 11:59 AM
	Sample						WSE100618 30LES1	WSE102711 30PMB1	WSE102913 35JDF1	WSE102914 10JDF1	WSE100109 25JDF1	WSE100109 45JDF1	WSE100109 53RCM1	WSE100109 55ARM3	WSE100110 10JDF1	WSE100111 11RCM1	WSE100111 31RCM1	WSE100111 59RCM1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	160	320	18	NCE	400	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 5	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	740	1500	82	NCE	44000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	510	1000	56	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	41	81	4.5	0.2	950	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	67	130	7.4	NCE	39000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	NCE	NCE	NCE	72	1400	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	230	450	25	NCE	45000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	940	1900	200	NCE	18000	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	100	200	38	NCE	890	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	NCE	NCE	NCE	NCE	2400	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	NCE	NCE	NCE	15	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	NCE	NCE	NCE	290	47000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	285	285	NCE	32	160	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	310	630	67	NCE	160	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	36	72	4	41	NCE	< 10	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	36	72	4	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	980	2000	110	NCE	40000	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	NCE	NCE	NCE	NCE	NCE	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	38	75	9.7	NCE	690	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	NCE	NCE	NCE	NCE	300	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	14	28	1.6	NCE	18	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	110	220	12	NCE	160	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	NCE	NCE	NCE	0.00045	0.046	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	7	15	1	0.35	0.098	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	NCE	NCE	NCE	NCE	450	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	110	210	13	6.7	7.6	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	10/6/2010 6:30 PM	10/27/2010 11:30 AM	10/29/2010 1:35 PM	10/29/2010 2:10 PM	10/1/2010 9:25 AM	10/1/2010 9:45 AM	10/1/2010 9:53 AM	10/1/2010 9:55 AM	10/1/2010 10:10 AM	10/1/2010 11:11 AM	10/1/2010 11:31 AM	10/1/2010 11:59 AM
	Sample						WSE100618 30LES1	WSE102711 30PMB1	WSE102913 35JDF1	WSE102914 10JDF1	WSE100109 25JDF1	WSE100109 45JDF1	WSE100109 53RCM1	WSE100109 55ARM3	WSE100110 10JDF1	WSE100111 11RCM1	WSE100111 31RCM1	WSE100111 59RCM1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	4600	9200	1300	8200	110000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	1000	2100	220	180	730	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	NCE	NCE	NCE	2.8	450	< 20	---	---	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	3400	6800	450	NCE	1200	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	NCE	NCE	NCE	NCE	15	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																		
Suspended Solids	mg/l	NCE	NCE	NCE	NCE	NCE	< 6	---	---	---	---	---	---	---	---	---	---	---
Total Suspended Solids	mg/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	< 6	< 6	< 6	6	5	< 6	< 6	< 6
TPH																		
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																		
1,1,1,2-Tetrachloroethane	ug/l	NCE	NCE	NCE	100	3500	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	800	1600	89	NCE	42000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	910	1800	200	78	4300	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	280	570	32	NCE	1.834e+006	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	3200	6400	730	330	3000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	6600	13000	740	NCE	62000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	1200	2300	130	NCE	33000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	NCE	NCE	NCE	NCE	73	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	---	< 1	< 1	< 1	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	100	200	30	NCE	99	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	0.24	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	120	240	13	NCE	11000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	8200	16000	2000	360	420000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	2000	4000	230	290	380000	< 2	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	100	200	28	NCE	65	< 2	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	81	160	9	140	39000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	81	160	9	140	39000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	100	210	17	240	11000	< 2	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	20000	40000	2200	NCE	3.8e+006	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	NCE	NCE	NCE	NCE	630000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	15000	30000	1700	NCE	450000	< 20	---	---	---	< 20	0.88	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	590	1200	66	1.2	320	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	10/6/2010 6:30 PM	10/27/2010 11:30 AM	10/29/2010 1:35 PM	10/29/2010 2:10 PM	10/1/2010 9:25 AM	10/1/2010 9:45 AM	10/1/2010 9:53 AM	10/1/2010 9:55 AM	10/1/2010 10:10 AM	10/1/2010 11:11 AM	10/1/2010 11:31 AM	10/1/2010 11:59 AM
	Sample						WSE100618 30LES1	WSE102711 30PMB1	WSE102913 35JDF1	WSE102914 10JDF1	WSE100109 25JDF1	WSE100109 45JDF1	WSE100109 53RCM1	WSE100109 55ARM3	WSE100110 10JDF1	WSE100111 11RCM1	WSE100111 31RCM1	WSE100111 59RCM1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	NCE	NCE	NCE	NCE	59000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	NCE	NCE	NCE	180	4500	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	NCE	NCE	NCE	890	8100	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	320	640	35	NCE	2600	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	NCE	NCE	NCE	NCE	34000	< 2.5	---	---	---	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	690	1400	77	45	140	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	220	450	25	NCE	3200	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	10000	20000	1100	9400	2.7e+007	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	5700	11000	630	NCE	11000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	NCE	NCE	NCE	7300	1.3e+006	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	5500	11000	620	NCE	36000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	---	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	NCE	NCE	NCE	150	12000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	NCE	NCE	NCE	4.9	NCE	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	NCE	NCE	NCE	NCE	90000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	NCE	NCE	NCE	NCE	1e+006	< 10	---	---	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	140	280	15	5.7	8200	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	110	210	13	6.7	7.6	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	8500	17000	1500	2600	90000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	210000	420000	32000	7100	63000	< 5	---	---	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	0.46	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	0.23	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	---	< 1	< 1	< 1	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	---	< 1	< 1	< 1	---	---	---	---	---	---	---	---
Styrene	ug/l	1400	2900	160	80	18000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	1400	2900	190	60	1800	< 2	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	0.71	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	14000	28000	1500	NCE	19000	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	1800	3500	200	370	550	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	8400	17000	930	13	4400	< 1	---	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 2	< 3	< 3	< 3	0.69	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/1/2010 1:30 PM	10/1/2010 2:45 PM	10/1/2010 3:55 PM	10/2/2010 9:40 AM	10/3/2010 9:55 AM	10/3/2010 10:15 AM	10/3/2010 10:25 AM	10/3/2010 10:43 AM	10/3/2010 10:45 AM	10/3/2010 11:15 AM	10/3/2010 11:23 AM	10/3/2010 11:55 AM	10/3/2010 12:13 PM	10/3/2010 1:50 PM	10/4/2010 8:40 AM	10/4/2010 9:25 AM
	Sample	WSE100113 30JDF1	WSE100114 45ARM1	WSE100115 55ARM1	WSE100209 40JDF1	WSE100309 55JDF1	WSE100310 15JDF1	WSE100310 25ARM1	WSE100310 43RCM1	WSE100310 45JDF1	WSE100311 15ARM1	WSE100311 23RCM1	WSE100311 55JDF1	WSE100312 13RCM1	WSE100313 50JDF1	WSE100408 40JDF1	WSE100409 25JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.7	3.9	3.7	3.1	3.2	3.2	3	3.2	3.3	3.1	3.2	3.1	3.2	3.1	3.4	3.3
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	0.00015	0.00033	0.0041	0.00016	0.00024	0.0014	0.00016	0.0002	0.00072	0.00015	0.00053	0.0045	0.00039
Arsenic	mg/l	0.00099	0.00084	0.0009	0.00099	0.00096	0.0012	0.0008	0.00097	0.0011	0.0009	0.00092	0.00087	0.00092	0.00092	0.0012	0.0012
Barium	mg/l	0.056	0.055	0.058	0.062	0.057	0.061	0.06	0.062	0.062	0.061	0.06	0.06	0.058	0.06	0.056	0.057
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	0.00005	0.000053	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00015	0.000048
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00031	0.00031	0.0005	0.0004	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00022	0.00023
Cobalt	mg/l	0.00031	0.00031	0.00035	< 0.005	0.00036	0.00036	0.00032	0.00035	0.00035	0.00032	0.00034	0.00033	0.00034	0.00034	0.00038	0.00034
Copper	mg/l	0.00084	0.00063	0.0052	0.0012	< 0.005	< 0.005	0.019	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00065	0.00055
Hardness	mg/l	310	300	320	300	290	300	290	300	300	290	290	300	290	290	280	290
Iron	mg/l	0.27	0.26	0.39	0.32	0.26	0.25	0.19	0.31	0.24	0.2	0.28	0.24	0.25	0.26	0.2	0.21
Lead	mg/l	< 0.003	< 0.003	< 0.003	0.00038	0.00039	0.00039	0.00021	0.00046	0.00035	0.0002	0.00042	0.00023	0.0004	0.00037	0.00025	0.00025
Manganese	mg/l	0.052	0.043	0.059	0.065	0.054	0.057	0.04	0.058	0.057	0.039	0.054	0.04	0.057	0.053	0.038	0.035
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.00041	0.0005	0.0006	0.00041	0.00053	0.00045	0.00043	0.00042	0.00044	0.00032	0.00044	0.00038	0.00042	0.00042	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00086	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	0.000017	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000048	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	0.00042	0.0002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00032	0.00034	0.0004	0.00035	0.00036	0.00037	0.00024	0.00029	0.00035	0.00029	0.00029	0.00029	0.00032	0.00031	0.00043	0.00041
Zinc	mg/l	0.0079	0.0021	0.0071	0.0019	0.0036	0.0023	0.0015	0.0023	0.0021	0.0043	0.003	0.0052	0.0015	0.0058	0.0028	0.0017
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/1/2010 1:30 PM	10/1/2010 2:45 PM	10/1/2010 3:55 PM	10/2/2010 9:40 AM	10/3/2010 9:55 AM	10/3/2010 10:15 AM	10/3/2010 10:25 AM	10/3/2010 10:43 AM	10/3/2010 10:45 AM	10/3/2010 11:15 AM	10/3/2010 11:23 AM	10/3/2010 11:55 AM	10/3/2010 12:13 PM	10/3/2010 1:50 PM	10/4/2010 8:40 AM	10/4/2010 9:25 AM
	Sample	WSE100113 30JDF1	WSE100114 45ARM1	WSE100115 55ARM1	WSE100209 40JDF1	WSE100309 55JDF1	WSE100310 15JDF1	WSE100310 25ARM1	WSE100310 43RCM1	WSE100310 45JDF1	WSE100311 15ARM1	WSE100311 23RCM1	WSE100311 55JDF1	WSE100312 13RCM1	WSE100313 50JDF1	WSE100408 40JDF1	WSE100409 25JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	0.72	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/1/2010 1:30 PM	10/1/2010 2:45 PM	10/1/2010 3:55 PM	10/2/2010 9:40 AM	10/3/2010 9:55 AM	10/3/2010 10:15 AM	10/3/2010 10:25 AM	10/3/2010 10:43 AM	10/3/2010 10:45 AM	10/3/2010 11:15 AM	10/3/2010 11:23 AM	10/3/2010 11:55 AM	10/3/2010 12:13 PM	10/3/2010 1:50 PM	10/4/2010 8:40 AM	10/4/2010 9:25 AM
	Sample	WSE100113 30JDF1	WSE100114 45ARM1	WSE100115 55ARM1	WSE100209 40JDF1	WSE100309 55JDF1	WSE100310 15JDF1	WSE100310 25ARM1	WSE100310 43RCM1	WSE100310 45JDF1	WSE100311 15ARM1	WSE100311 23RCM1	WSE100311 55JDF1	WSE100312 13RCM1	WSE100313 50JDF1	WSE100408 40JDF1	WSE100409 25JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	0.72	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	0.97	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	3.6	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	0.95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	1.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	0.26	0.34	4.7	< 1	< 1	0.17	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.3
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	5.2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/4/2010 10:15 AM	10/4/2010 10:15 AM	10/4/2010 10:35 AM	10/4/2010 10:49 AM	10/4/2010 11:11 AM	10/4/2010 11:20 AM	10/4/2010 1:15 PM	10/4/2010 1:35 PM	10/4/2010 2:20 PM	10/4/2010 2:45 PM	10/4/2010 3:05 PM	10/5/2010 9:45 AM	10/5/2010 9:55 AM	10/5/2010 10:23 AM	10/5/2010 10:28 AM	10/5/2010 10:55 AM
	Sample	WSE100410 15JDF1	WSE100410 15ARM1	WSE100410 35JDF1	WSE100410 49RCM1	WSE100411 11RCM1	WSE100411 20JDF1	WSE100413 15JDF1	WSE100413 35ARM1	WSE100414 20JDF1	WSE100414 45JDF1	WSE100415 05JDF1	WSE100509 45ARM1	WSE100509 55PML1	WSE100510 23RCM1	WSE100510 28PML1	WSE100510 55ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.3	3.5	3.3	3.2	3.2	3.4	3.4	3.4	3.7	3.6	3.7	2.9	3.9	3.3	3.9	2.9
Metals																	
Antimony	mg/l	0.00029	< 0.002	0.00025	0.00016	0.00014	0.00022	0.0002	< 0.002	0.00029	0.00019	0.00018	< 0.002	0.0041	< 0.002	0.0014	0.00026
Arsenic	mg/l	0.0012	0.001	0.0011	0.0012	0.0011	0.00097	0.00076	0.00083	0.0012	0.0012	0.0012	0.00088	0.001	0.00086	0.0011	0.00083
Barium	mg/l	0.053	0.056	0.057	0.059	0.059	0.057	0.057	0.054	0.057	0.057	0.056	0.057	0.056	0.049	0.058	0.058
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00005	< 0.001	< 0.001	0.000061
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00014	0.00012	0.00014	0.00028	0.00026	0.00025	0.00016	0.00014	0.00028	0.00026	0.00026	0.00027	0.0004	0.00016	0.00042	0.00023
Cobalt	mg/l	0.00029	0.0003	0.00032	0.00037	0.00036	0.00032	0.00031	0.00031	0.00033	0.00034	0.00034	0.00033	0.00037	0.00034	0.00038	0.00037
Copper	mg/l	< 0.005	0.00043	< 0.005	0.00048	0.0007	0.00046	0.00041	< 0.005	0.00082	0.00066	0.00051	0.00047	< 0.005	0.001	< 0.005	0.00064
Hardness	mg/l	270	280	290	300	290	290	290	270	280	290	280	290	300	280	300	300
Iron	mg/l	0.18	0.18	0.18	0.25	0.23	0.24	0.18	0.19	0.22	0.23	0.23	0.21	0.28	0.2	0.31	0.23
Lead	mg/l	0.00015	0.00013	0.00017	0.00038	0.00034	0.00025	0.00014	0.00016	0.00037	0.00035	0.00036	0.00021	0.00045	0.00025	0.0005	0.00023
Manganese	mg/l	0.031	0.04	0.034	0.052	0.053	0.041	0.031	0.028	0.052	0.053	0.052	0.038	0.06	0.047	0.062	0.038
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00085	< 0.005	0.00093	< 0.005	0.0016
Nickel	mg/l	< 0.005	< 0.005	< 0.005	0.00059	0.00043	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00035	< 0.005	0.00015	< 0.005
Selenium	mg/l	< 0.005	0.00081	< 0.005	< 0.005	0.00095	0.001	< 0.005	0.00078	0.0011	0.0008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00044
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00031	0.00028	0.00028	0.00037	0.0003	0.00025	0.00038	0.00039	0.00049	0.00033	0.00043	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Zinc	mg/l	0.0023	< 0.01	< 0.01	0.0016	0.0016	0.0029	< 0.01	< 0.01	0.0063	0.0034	0.0026	0.0019	0.0023	< 0.01	0.0013	0.0017
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/4/2010 10:15 AM	10/4/2010 10:15 AM	10/4/2010 10:35 AM	10/4/2010 10:49 AM	10/4/2010 11:11 AM	10/4/2010 11:20 AM	10/4/2010 1:15 PM	10/4/2010 1:35 PM	10/4/2010 2:20 PM	10/4/2010 2:45 PM	10/4/2010 3:05 PM	10/5/2010 9:45 AM	10/5/2010 9:55 AM	10/5/2010 10:23 AM	10/5/2010 10:28 AM	10/5/2010 10:55 AM
	Sample	WSE100410 15JDF1	WSE100410 15ARM1	WSE100410 35JDF1	WSE100410 49RCM1	WSE100411 11RCM1	WSE100411 20JDF1	WSE100413 15JDF1	WSE100413 35ARM1	WSE100414 20JDF1	WSE100414 45JDF1	WSE100415 05JDF1	WSE100509 45ARM1	WSE100509 55PML1	WSE100510 23RCM1	WSE100510 28PML1	WSE100510 55ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	0.81	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.56	0.31	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/4/2010 10:15 AM	10/4/2010 10:15 AM	10/4/2010 10:35 AM	10/4/2010 10:49 AM	10/4/2010 11:11 AM	10/4/2010 11:20 AM	10/4/2010 1:15 PM	10/4/2010 1:35 PM	10/4/2010 2:20 PM	10/4/2010 2:45 PM	10/4/2010 3:05 PM	10/5/2010 9:45 AM	10/5/2010 9:55 AM	10/5/2010 10:23 AM	10/5/2010 10:28 AM	10/5/2010 10:55 AM
	Sample	WSE100410 15JDF1	WSE100410 15ARM1	WSE100410 35JDF1	WSE100410 49RCM1	WSE100411 11RCM1	WSE100411 20JDF1	WSE100413 15JDF1	WSE100413 35ARM1	WSE100414 20JDF1	WSE100414 45JDF1	WSE100415 05JDF1	WSE100509 45ARM1	WSE100509 55PML1	WSE100510 23RCM1	WSE100510 28PML1	WSE100510 55ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Suspended Solids	mg/l	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	8.5	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.7	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	10/4/2010 10:15 AM	10/4/2010 10:15 AM	10/4/2010 10:35 AM	10/4/2010 10:49 AM	10/4/2010 11:11 AM	10/4/2010 11:20 AM	10/4/2010 1:15 PM	10/4/2010 1:35 PM	10/4/2010 2:20 PM	10/4/2010 2:45 PM	10/4/2010 3:05 PM	10/5/2010 9:45 AM	10/5/2010 9:55 AM	10/5/2010 10:23 AM	10/5/2010 10:28 AM	10/5/2010 10:55 AM
	Sample	WSE100410 15JDF1	WSE100410 15ARM1	WSE100410 35JDF1	WSE100410 49RCM1	WSE100411 11RCM1	WSE100411 20JDF1	WSE100413 15JDF1	WSE100413 35ARM1	WSE100414 20JDF1	WSE100414 45JDF1	WSE100415 05JDF1	WSE100509 45ARM1	WSE100509 55PML1	WSE100510 23RCM1	WSE100510 28PML1	WSE100510 55ARM3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	0.36	< 2	0.39	< 2	< 2	< 2	< 2	0.4	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.48	< 1	0.51	< 1	< 1	< 1	< 1	0.66	< 1	< 1	< 1	< 1	0.28	< 1	0.23	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/5/2010 10:59 AM	10/5/2010 11:14 AM	10/5/2010 1:45 PM	10/5/2010 2:30 PM	10/5/2010 3:41 PM	10/5/2010 4:10 PM	10/5/2010 4:31 PM	10/6/2010 9:59 AM	10/6/2010 10:19 AM	10/6/2010 10:33 AM	10/6/2010 10:45 AM	10/6/2010 11:11 AM	10/6/2010 11:15 AM	10/6/2010 11:25 AM	10/6/2010 11:45 AM	10/6/2010 2:15 PM
	Sample	WSE100510 59PML1	WSE100511 14RCM1	WSE100513 45ARM1	WSE100514 30PML1	WSE100515 41PML1	WSE100516 10PML1	WSE100516 31PML1	WSE100609 59PML1	WSE100610 19RCM1	WSE100610 33RCM1	WSE100610 45ARM1	WSE100611 11PML1	WSE100611 15RCM1	WSE100611 25PML1	WSE100611 45PML1	WSE100614 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.6	3.2	2.9	3.6	3.9	4	3.9	3.5	3.9	3.7	2.9	3.8	3.7	4	4	2.9
Metals																	
Antimony	mg/l	0.00075	< 0.002	< 0.002	0.00046	0.00036	0.00028	0.00022	0.00035	< 0.002	< 0.002	< 0.002	0.00018	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.00086	0.0011	0.00085	0.00089	0.001	0.00098	0.00093	0.0011	0.00094	0.0011	0.00094	0.0011	0.00081	0.00089	0.0011	0.00081
Barium	mg/l	0.059	0.056	0.058	0.057	0.058	0.057	0.057	0.057	0.051	0.05	0.057	0.052	0.055	0.052	0.05	0.059
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000061	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00061	0.00026	0.00042	0.00028	0.00035	0.00035	0.00037	0.00028	0.00048	0.00022	0.00024	0.00025	0.00029	0.00028	0.00023	0.00016
Cobalt	mg/l	0.00039	0.00035	0.00036	0.00035	0.00035	0.00035	0.00036	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Copper	mg/l	< 0.005	0.0006	0.0025	< 0.005	< 0.005	< 0.005	< 0.005	0.00064	0.00089	0.00073	0.00074	0.00068	0.0011	0.00061	0.00082	0.00074
Hardness	mg/l	300	290	290	300	300	290	300	290	290	280	290	290	290	300	290	300
Iron	mg/l	0.4	0.24	0.25	0.25	0.27	0.26	0.27	0.26	0.23	0.2	0.23	0.21	0.23	0.22	0.2	0.22
Lead	mg/l	0.00061	0.0004	0.00027	0.00022	0.0004	0.00039	0.0004	0.00031	0.00033	0.00026	0.00023	0.00029	0.00029	0.00031	0.00028	0.00014
Manganese	mg/l	0.062	0.057	0.042	0.05	0.057	0.056	0.056	0.053	0.045	0.043	0.047	0.046	0.045	0.047	0.045	0.033
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	0.00092	0.00088	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0006	< 0.005	< 0.005	< 0.005	< 0.005	0.0006
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00069	< 0.005	< 0.005	< 0.005	< 0.005	0.00069	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000024	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.00032	0.00024	0.00036	0.00031	0.00033	0.00028	0.00035	0.00036	0.00021
Zinc	mg/l	0.0024	0.0027	0.0022	< 0.01	0.0015	0.0019	< 0.01	< 0.01	< 0.01	< 0.01	0.0014	< 0.01	0.002	< 0.01	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	10/5/2010 10:59 AM	10/5/2010 11:14 AM	10/5/2010 1:45 PM	10/5/2010 2:30 PM	10/5/2010 3:41 PM	10/5/2010 4:10 PM	10/5/2010 4:31 PM	10/6/2010 9:59 AM	10/6/2010 10:19 AM	10/6/2010 10:33 AM	10/6/2010 10:45 AM	10/6/2010 11:11 AM	10/6/2010 11:15 AM	10/6/2010 11:25 AM	10/6/2010 11:45 AM	10/6/2010 2:15 PM
	Sample	WSE100510 59PML1	WSE100511 14RCM1	WSE100513 45ARM1	WSE100514 30PML1	WSE100515 41PML1	WSE100516 10PML1	WSE100516 31PML1	WSE100609 59PML1	WSE100610 19RCM1	WSE100610 33RCM1	WSE100610 45ARM1	WSE100611 11PML1	WSE100611 15RCM1	WSE100611 25PML1	WSE100611 45PML1	WSE100614 15ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.28	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Suspended Solids	mg/l	5	< 6	< 6	< 6	< 6	6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.7	0.49	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.76	0.14	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.5	0.3	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.7	0.32	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.33	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	5.5	0.95	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.45	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.4	0.46	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.15	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6.9	1.4	< 1	< 1	< 1	0.2
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	8	1.4	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/6/2010 3:30 PM	10/6/2010 3:45 PM	10/6/2010 3:59 PM	10/7/2010 9:30 AM	10/7/2010 9:58 AM	10/7/2010 10:13 AM	10/7/2010 10:15 AM	10/7/2010 10:28 AM	10/7/2010 10:35 AM	10/7/2010 10:49 AM	10/7/2010 11:12 AM	10/7/2010 11:35 AM	10/7/2010 11:45 AM	10/7/2010 12:55 PM	10/7/2010 1:25 PM	10/7/2010 2:58 PM
	Sample	WSE100615 30PML1	WSE100615 45PML1	WSE100615 59PML1	WSE100709 30PML1	WSE100709 58RCM1	WSE100710 13RCM1	WSE100710 15ARM1	WSE100710 28RCM1	WSE100710 35PML1	WSE100710 49PML1	WSE100711 12RCM1	WSE100711 35RCM1	WSE100711 45PML1	WSE100712 55ARM1	WSE100713 25ARM1	WSE100714 58PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.9	3.9	3.8	3.5	3.5	3.4	3.3	3.5	3.2	3.3	3.4	3.8	3.3	3.3	3.4	2.8
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.00095	0.00098	0.00097	0.00077	0.00067	0.00077	0.001	0.00077	0.00097	0.00086	0.00094	0.0012	0.0011	0.00062	0.00082	0.00072
Barium	mg/l	0.048	0.05	0.048	0.057	0.054	0.053	0.057	0.052	0.056	0.059	0.053	0.049	0.057	0.057	0.056	0.055
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00031	0.00027	0.00025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00033	0.00034	< 0.005	< 0.005	0.00025	< 0.005	< 0.005	0.00032
Cobalt	mg/l	< 0.005	< 0.005	< 0.005	0.00039	0.00039	0.00038	0.00036	0.00038	0.00039	0.00038	0.00038	0.0004	0.00035	0.00037	0.00037	0.00035
Copper	mg/l	0.0006	0.00059	0.0013	0.0011	0.0011	0.0011	0.001	0.00095	0.001	0.0011	0.001	0.0027	0.00083	0.00095	0.0012	0.0011
Hardness	mg/l	290	290	280	280	290	280	280	280	280	290	280	280	280	290	280	270
Iron	mg/l	0.21	0.21	0.21	0.32	0.29	0.28	0.25	0.25	0.26	0.26	0.26	0.35	0.19	0.2	0.2	0.23
Lead	mg/l	0.00028	0.00029	0.00029	0.00037	0.0004	0.0004	0.00029	0.00033	0.0003	0.00032	0.00036	0.00058	0.00019	0.0002	0.00021	0.00028
Manganese	mg/l	0.043	0.045	0.042	0.056	0.049	0.048	0.045	0.045	0.048	0.048	0.044	0.057	0.035	0.036	0.038	0.038
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	0.00084	0.00087	0.00083	0.00088	0.00082	< 0.005	< 0.005	0.00094	0.00085	< 0.005	0.00088	0.00083	< 0.005
Nickel	mg/l	< 0.005	< 0.005	< 0.005	0.00055	0.00034	0.00048	0.00086	0.00051	0.00053	0.00045	0.00071	0.00046	0.00032	0.00048	0.00084	0.00026
Selenium	mg/l	< 0.005	< 0.005	0.00072	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00093	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000015	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00043	0.00036	0.00037	0.00028	0.0003	0.00046	0.00028	0.00043	0.0003	0.00039	0.00028	0.00059	0.00028	0.00032	0.00017	0.00026
Zinc	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0023	0.0025	< 0.01	< 0.01	0.0016	< 0.01	< 0.01	0.0023
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/6/2010 3:30 PM	10/6/2010 3:45 PM	10/6/2010 3:59 PM	10/7/2010 9:30 AM	10/7/2010 9:58 AM	10/7/2010 10:13 AM	10/7/2010 10:15 AM	10/7/2010 10:28 AM	10/7/2010 10:35 AM	10/7/2010 10:49 AM	10/7/2010 11:12 AM	10/7/2010 11:35 AM	10/7/2010 11:45 AM	10/7/2010 12:55 PM	10/7/2010 1:25 PM	10/7/2010 2:58 PM
	Sample	WSE100615 30PML1	WSE100615 45PML1	WSE100615 59PML1	WSE100709 30PML1	WSE100709 58RCM1	WSE100710 13RCM1	WSE100710 15ARM1	WSE100710 28RCM1	WSE100710 35PML1	WSE100710 49PML1	WSE100711 12RCM1	WSE100711 35RCM1	WSE100711 45PML1	WSE100712 55ARM1	WSE100713 25ARM1	WSE100714 58PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	0.67	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/6/2010 3:30 PM	10/6/2010 3:45 PM	10/6/2010 3:59 PM	10/7/2010 9:30 AM	10/7/2010 9:58 AM	10/7/2010 10:13 AM	10/7/2010 10:15 AM	10/7/2010 10:28 AM	10/7/2010 10:35 AM	10/7/2010 10:49 AM	10/7/2010 11:12 AM	10/7/2010 11:35 AM	10/7/2010 11:45 AM	10/7/2010 12:55 PM	10/7/2010 1:25 PM	10/7/2010 2:58 PM
	Sample	WSE100615 30PML1	WSE100615 45PML1	WSE100615 59PML1	WSE100709 30PML1	WSE100709 58RCM1	WSE100710 13RCM1	WSE100710 15ARM1	WSE100710 28RCM1	WSE100710 35PML1	WSE100710 49PML1	WSE100711 12RCM1	WSE100711 35RCM1	WSE100711 45PML1	WSE100712 55ARM1	WSE100713 25ARM1	WSE100714 58PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 40	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	---	---	---	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	12	< 6	< 6	< 6
Total Suspended Solids	mg/l	< 6	< 6	< 6	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/6/2010 3:30 PM	10/6/2010 3:45 PM	10/6/2010 3:59 PM	10/7/2010 9:30 AM	10/7/2010 9:58 AM	10/7/2010 10:13 AM	10/7/2010 10:15 AM	10/7/2010 10:28 AM	10/7/2010 10:35 AM	10/7/2010 10:49 AM	10/7/2010 11:12 AM	10/7/2010 11:35 AM	10/7/2010 11:45 AM	10/7/2010 12:55 PM	10/7/2010 1:25 PM	10/7/2010 2:58 PM
	Sample	WSE100615 30PML1	WSE100615 45PML1	WSE100615 59PML1	WSE100709 30PML1	WSE100709 58RCM1	WSE100710 13RCM1	WSE100710 15ARM1	WSE100710 28RCM1	WSE100710 35PML1	WSE100710 49PML1	WSE100711 12RCM1	WSE100711 35RCM1	WSE100711 45PML1	WSE100712 55ARM1	WSE100713 25ARM1	WSE100714 58PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	---	---	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	< 2	< 2	< 2	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.17	< 1	< 1	< 1	< 1	< 1	0.16	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:11 AM	10/8/2010 10:15 AM	10/8/2010 10:25 AM	10/8/2010 10:28 AM	10/8/2010 10:49 AM	10/8/2010 11:04 AM	10/8/2010 11:13 AM	10/8/2010 12:11 PM	10/8/2010 12:52 PM	10/8/2010 1:15 PM	10/8/2010 2:05 PM	10/9/2010 10:50 AM	10/9/2010 12:35 PM	10/9/2010 1:20 PM	10/9/2010 1:30 PM	10/9/2010 1:41 PM
	Sample	WSE100810 11RCM1	WSE100810 15ARM3	WSE100810 25PML1	WSE100810 28RCM1	WSE100810 49PML1	WSE100811 04PML1	WSE100811 13RCM1	WSE100812 11PML1	WSE100812 52PML1	WSE100813 15ARM1	WSE100814 05PML1	WSE100910 50ARM1	WSE100912 35PML1	WSE100913 20PML1	WSE100913 30PML1	WSE100913 41PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.7	2.9	3.4	3.7	3.5	3.5	3.6	3.6	3.5	2.9	3.6	3.6	2.9	2.9	3	2.9
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0038	< 0.002	0.00013	< 0.002	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.00082	0.0012	0.001	0.00063	0.00054	0.00065	0.00074	0.00084	0.00077	0.001	0.00089	0.0011	0.00071	0.00063	< 0.005	0.00063
Barium	mg/l	0.047	0.062	0.056	0.047	0.056	0.056	0.055	0.056	0.057	0.063	0.06	0.067	0.058	0.045	0.049	0.057
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00053	< 0.005	0.00034	0.00042	0.00046	0.00059	0.00034	0.00042	0.00027	< 0.005	0.00033	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.00041	0.00042	0.00039	0.00041	0.0004	0.0004	0.00038	0.00039	0.00038	0.00047	0.00039	0.00042	0.00042	0.00038	0.00039	0.00042
Copper	mg/l	0.00095	0.0015	0.00074	0.00098	0.0009	0.00086	0.00083	0.00066	0.00064	0.0012	0.0007	0.0013	0.00094	0.0008	0.00081	0.0011
Hardness	mg/l	280	300	290	290	300	290	290	280	280	300	300	300	290	270	280	280
Iron	mg/l	0.31	0.27	0.27	0.36	0.38	0.31	0.25	0.31	0.23	0.22	0.26	0.6	0.29	0.21	0.24	0.36
Lead	mg/l	0.00056	0.00031	0.00043	0.00046	0.00049	0.00053	0.00046	0.00041	0.00027	0.00028	0.00028	< 0.003	0.00026	0.00022	0.00025	0.00044
Manganese	mg/l	0.053	0.046	0.049	0.05	0.051	0.051	0.046	0.052	0.044	0.04	0.048	0.067	0.057	0.038	0.044	0.054
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0011	< 0.005	0.00045	0.00062	0.00042	0.00043	0.00058	0.00036	0.00039	< 0.005	0.00043	< 0.005	0.00076	0.00079	0.00077	0.00076
Nickel	mg/l	0.0008	0.00031	0.00036	0.00061	0.00021	0.00036	0.00076	< 0.005	0.00013	0.00075	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00072	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000023	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	0.0002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00012	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00046	0.00016	0.00022	0.00034	0.0002	0.00027	0.00031	0.00036	0.00025	0.00016	0.00019	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Zinc	mg/l	0.016	0.003	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.0043	< 0.01	0.0054	0.0026	0.0017	0.0019	0.0028
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:11 AM	10/8/2010 10:15 AM	10/8/2010 10:25 AM	10/8/2010 10:28 AM	10/8/2010 10:49 AM	10/8/2010 11:04 AM	10/8/2010 11:13 AM	10/8/2010 12:11 PM	10/8/2010 12:52 PM	10/8/2010 1:15 PM	10/8/2010 2:05 PM	10/9/2010 10:50 AM	10/9/2010 12:35 PM	10/9/2010 1:20 PM	10/9/2010 1:30 PM	10/9/2010 1:41 PM
	Sample	WSE100810 11RCM1	WSE100810 15ARM3	WSE100810 25PML1	WSE100810 28RCM1	WSE100810 49PML1	WSE100811 04PML1	WSE100811 13RCM1	WSE100812 11PML1	WSE100812 52PML1	WSE100813 15ARM1	WSE100814 05PML1	WSE100910 50ARM1	WSE100912 35PML1	WSE100913 20PML1	WSE100913 30PML1	WSE100913 41PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	8	< 6	< 6	< 6	< 6
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.33	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.4	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	4.3	15	7.6
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/8/2010 10:11 AM	10/8/2010 10:15 AM	10/8/2010 10:25 AM	10/8/2010 10:28 AM	10/8/2010 10:49 AM	10/8/2010 11:04 AM	10/8/2010 11:13 AM	10/8/2010 12:11 PM	10/8/2010 12:52 PM	10/8/2010 1:15 PM	10/8/2010 2:05 PM	10/9/2010 10:50 AM	10/9/2010 12:35 PM	10/9/2010 1:20 PM	10/9/2010 1:30 PM	10/9/2010 1:41 PM
	Sample	WSE100810 11RCM1	WSE100810 15ARM3	WSE100810 25PML1	WSE100810 28RCM1	WSE100810 49PML1	WSE100811 04PML1	WSE100811 13RCM1	WSE100812 11PML1	WSE100812 52PML1	WSE100813 15ARM1	WSE100814 05PML1	WSE100910 50ARM1	WSE100912 35PML1	WSE100913 20PML1	WSE100913 30PML1	WSE100913 41PML1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.53	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.29	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.33	< 2	< 2	< 2	1	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.39	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.57	< 1	< 1	< 1	1.7	< 1	0.17	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	1.4	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/9/2010 2:15 PM	10/9/2010 3:15 PM	10/9/2010 3:35 PM	10/9/2010 3:48 PM	10/10/2010 9:01 AM	10/10/2010 9:20 AM	10/10/2010 9:40 AM	10/10/2010 11:00 AM	10/10/2010 11:20 AM	10/10/2010 11:35 AM	10/10/2010 12:00 PM	10/10/2010 12:30 PM	10/10/2010 1:40 PM	10/11/2010 9:15 AM	10/11/2010 9:50 AM	10/11/2010 10:45 AM
	Sample	WSE100914 15ARM1	WSE100915 15PML1	WSE100915 35PML1	WSE100915 48PML1	WSE101009 01PML1	WSE101009 20PML1	WSE101009 40PML1	WSE101011 00ARM1	WSE101011 20PML1	WSE101011 35PML1	WSE101012 00ARM1	WSE101012 30ARM1	WSE101013 40PML1	WSE101109 15JDF1	WSE101109 50JDF1	WSE101110 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.6	3.1	3	3	3	3	3.1	2.8	3	3.2	3	3	2.9	3.6	3.5	3.5
Metals																	
Antimony	mg/l	0.00033	< 0.002	< 0.002	< 0.002	< 0.002	0.00018	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00017	0.00035	0.0043
Arsenic	mg/l	0.00095	0.0011	0.00079	0.0008	0.00075	< 0.005	0.00085	0.0006	0.00066	0.00072	< 0.005	< 0.005	0.00074	0.001	0.0012	0.0012
Barium	mg/l	0.06	0.044	0.044	0.055	0.049	0.046	0.045	0.059	0.049	0.04	0.051	0.054	0.058	0.065	0.062	0.059
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00046	< 0.005	< 0.005
Cobalt	mg/l	0.00037	0.00038	0.00038	0.00042	0.00041	0.00041	0.0004	0.0004	0.00041	0.0004	0.00041	0.00041	0.00042	0.00037	0.00037	0.00038
Copper	mg/l	0.002	0.00079	0.00085	0.0011	0.0008	0.00082	0.00086	0.00082	0.0014	0.00094	0.00086	0.0014	0.00094	0.0007	0.00068	0.00062
Hardness	mg/l	290	280	270	290	290	290	280	280	290	270	270	270	280	310	300	300
Iron	mg/l	0.26	0.21	0.21	0.32	0.21	0.27	0.22	0.2	0.22	0.26	0.23	0.31	0.28	0.37	0.41	0.31
Lead	mg/l	< 0.003	0.00024	0.00025	0.00039	0.00023	0.00031	0.00023	0.00011	0.0022	0.00041	0.00021	0.00046	0.00023	0.00034	0.00046	0.00032
Manganese	mg/l	0.038	0.039	0.037	0.053	0.04	0.052	0.042	0.037	0.039	0.05	0.041	0.059	0.047	0.071	0.066	0.054
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	0.00096	0.00084	0.00084	0.00097	0.00088	0.00086	0.00077	0.00082	0.00079	0.00075	0.00073	0.00078	< 0.005	0.0017	0.0018
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0061	< 0.005	< 0.005	< 0.005	< 0.005	0.00052	0.00061	0.00059
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000017	0.000019
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.0032	< 0.004	< 0.004
Zinc	mg/l	0.0053	0.0019	0.0032	0.0037	0.0026	0.003	0.0024	0.002	0.036	0.0035	0.002	0.0037	0.0041	0.0029	0.0033	0.0068
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/9/2010 2:15 PM	10/9/2010 3:15 PM	10/9/2010 3:35 PM	10/9/2010 3:48 PM	10/10/2010 9:01 AM	10/10/2010 9:20 AM	10/10/2010 9:40 AM	10/10/2010 11:00 AM	10/10/2010 11:20 AM	10/10/2010 11:35 AM	10/10/2010 12:00 PM	10/10/2010 12:30 PM	10/10/2010 1:40 PM	10/11/2010 9:15 AM	10/11/2010 9:50 AM	10/11/2010 10:45 AM
	Sample	WSE100914 15ARM1	WSE100915 15PML1	WSE100915 35PML1	WSE100915 48PML1	WSE101009 01PML1	WSE101009 20PML1	WSE101009 40PML1	WSE101011 00ARM1	WSE101011 20PML1	WSE101011 35PML1	WSE101012 00ARM1	WSE101012 30ARM1	WSE101013 40PML1	WSE101109 15JDF1	WSE101109 50JDF1	WSE101110 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/9/2010 2:15 PM	10/9/2010 3:15 PM	10/9/2010 3:35 PM	10/9/2010 3:48 PM	10/10/2010 9:01 AM	10/10/2010 9:20 AM	10/10/2010 9:40 AM	10/10/2010 11:00 AM	10/10/2010 11:20 AM	10/10/2010 11:35 AM	10/10/2010 12:00 PM	10/10/2010 12:30 PM	10/10/2010 1:40 PM	10/11/2010 9:15 AM	10/11/2010 9:50 AM	10/11/2010 10:45 AM
	Sample	WSE100914 15ARM1	WSE100915 15PML1	WSE100915 35PML1	WSE100915 48PML1	WSE101009 01PML1	WSE101009 20PML1	WSE101009 40PML1	WSE101011 00ARM1	WSE101011 20PML1	WSE101011 35PML1	WSE101012 00ARM1	WSE101012 30ARM1	WSE101013 40PML1	WSE101109 15JDF1	WSE101109 50JDF1	WSE101110 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	< 6	< 6	< 6	< 6	< 6	5.5	5	< 6	< 6	< 6	< 6	< 6	5.5	< 6	< 6	< 6
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	6.9	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/9/2010 2:15 PM	10/9/2010 3:15 PM	10/9/2010 3:35 PM	10/9/2010 3:48 PM	10/10/2010 9:01 AM	10/10/2010 9:20 AM	10/10/2010 9:40 AM	10/10/2010 11:00 AM	10/10/2010 11:20 AM	10/10/2010 11:35 AM	10/10/2010 12:00 PM	10/10/2010 12:30 PM	10/10/2010 1:40 PM	10/11/2010 9:15 AM	10/11/2010 9:50 AM	10/11/2010 10:45 AM
	Sample	WSE100914 15ARM1	WSE100915 15PML1	WSE100915 35PML1	WSE100915 48PML1	WSE101009 01PML1	WSE101009 20PML1	WSE101009 40PML1	WSE101011 00ARM1	WSE101011 20PML1	WSE101011 35PML1	WSE101012 00ARM1	WSE101012 30ARM1	WSE101013 40PML1	WSE101109 15JDF1	WSE101109 50JDF1	WSE101110 45JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.18	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/11/2010 10:55 AM	10/11/2010 11:05 AM	10/11/2010 11:15 AM	10/11/2010 1:30 PM	10/11/2010 1:35 PM	10/11/2010 2:30 PM	10/11/2010 2:55 PM	10/11/2010 3:55 PM	10/12/2010 8:45 AM	10/12/2010 9:10 AM	10/12/2010 9:30 AM	10/12/2010 10:00 AM	10/12/2010 10:15 AM	10/12/2010 11:10 AM	10/12/2010 11:25 AM	10/12/2010 11:40 AM
	Sample	WSE101110 55ARM1	WSE101111 05JDF1	WSE101111 15ARM1	WSE101113 30ARM1	WSE101113 35JDF1	WSE101114 30ARM1	WSE101114 55ARM1	WSE101115 55ARM1	WSE101208 45JDF1	WSE101209 10JDF1	WSE101209 30ARM1	WSE101210 00JDF1	WSE101210 15ARM1	WSE101211 10JDF1	WSE101211 25JDF1	WSE101211 40JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.5	3.6	3.6	3.5	3.6	3.6	3.6	3.8	3.1	3.1	3.6	3	3.4	3.1	3	3.1
Metals																	
Antimony	mg/l	0.00038	0.0016	0.00031	0.0003	0.00084	0.00022	0.00018	0.00016	0.00017	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00013
Arsenic	mg/l	0.0011	0.00093	0.001	0.00099	0.00099	0.00091	0.001	0.00095	0.0013	0.00085	0.00077	0.00099	0.0009	0.00089	0.00083	0.00083
Barium	mg/l	0.048	0.06	0.05	0.061	0.061	0.05	0.05	0.034	0.057	0.059	0.064	0.063	0.066	0.055	0.054	0.057
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000071	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00025	< 0.005	0.0003	0.00024	< 0.005	0.0003	0.0003	0.00023	0.00046	0.00036	0.00096	0.00044	0.00082	0.00037	0.00043	0.00048
Cobalt	mg/l	0.00032	0.00036	0.00033	0.00034	0.00034	0.00033	0.00033	0.0003	0.00056	0.00056	0.00057	0.00055	0.00054	0.00053	0.00054	0.00056
Copper	mg/l	0.00055	0.00082	0.00056	0.00059	0.0005	0.00069	0.00058	0.00054	0.0027	0.0013	0.0014	0.0012	0.0013	0.0011	0.0013	0.0019
Hardness	mg/l	290	290	290	310	300	290	290	280	300	300	290	300	290	290	290	290
Iron	mg/l	0.22	0.33	0.24	0.21	0.25	0.25	0.24	0.22	0.34	0.32	0.68	0.38	0.53	0.3	0.32	0.38
Lead	mg/l	0.00021	0.0004	0.00036	0.00012	0.00019	0.00025	0.00023	0.0002	< 0.003	< 0.003	0.00086	< 0.003	0.00061	< 0.003	< 0.003	< 0.003
Manganese	mg/l	0.042	0.055	0.048	0.047	0.053	0.048	0.046	0.039	0.059	0.059	0.079	0.078	0.088	0.057	0.057	0.08
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00011	0.00001	< 0.0002	0.000085	< 0.0002	0.000015	< 0.0002	0.00011
Molybdenum	mg/l	< 0.005	0.0012	< 0.005	< 0.005	0.001	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.00069	0.00076	0.0014	0.00056	0.00059	0.0006	0.00064	0.0006	0.001	0.0016	0.0013	0.0013	0.0013	0.0012	0.0012	0.0015
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0011	0.00094	0.00065
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.0027	< 0.004	0.0028	0.0029	< 0.004	0.003	0.0031	0.0025	0.0045	0.0049	0.0051	0.0054	0.0043	0.0052	0.0052	0.0054
Zinc	mg/l	0.0025	0.0079	0.0022	0.0017	0.0026	0.0037	0.0026	0.0031	< 0.01	< 0.01	0.015	< 0.01	0.0087	< 0.01	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/11/2010 10:55 AM	10/11/2010 11:05 AM	10/11/2010 11:15 AM	10/11/2010 1:30 PM	10/11/2010 1:35 PM	10/11/2010 2:30 PM	10/11/2010 2:55 PM	10/11/2010 3:55 PM	10/12/2010 8:45 AM	10/12/2010 9:10 AM	10/12/2010 9:30 AM	10/12/2010 10:00 AM	10/12/2010 10:15 AM	10/12/2010 11:10 AM	10/12/2010 11:25 AM	10/12/2010 11:40 AM
	Sample	WSE101110 55ARM1	WSE101111 05JDF1	WSE101111 15ARM1	WSE101113 30ARM1	WSE101113 35JDF1	WSE101114 30ARM1	WSE101114 55ARM1	WSE101115 55ARM1	WSE101208 45JDF1	WSE101209 10JDF1	WSE101209 30ARM1	WSE101210 00JDF1	WSE101210 15ARM1	WSE101211 10JDF1	WSE101211 25JDF1	WSE101211 40JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.41	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	0.32	< 20	< 20	0.34	0.33	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

[illegible]

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/11/2010 10:55 AM	10/11/2010 11:05 AM	10/11/2010 11:15 AM	10/11/2010 1:30 PM	10/11/2010 1:35 PM	10/11/2010 2:30 PM	10/11/2010 2:55 PM	10/11/2010 3:55 PM	10/12/2010 8:45 AM	10/12/2010 9:10 AM	10/12/2010 9:30 AM	10/12/2010 10:00 AM	10/12/2010 10:15 AM	10/12/2010 11:10 AM	10/12/2010 11:25 AM	10/12/2010 11:40 AM
	Sample	WSE101110 55ARM1	WSE101111 05JDF1	WSE101111 15ARM1	WSE101113 30ARM1	WSE101113 35JDF1	WSE101114 30ARM1	WSE101114 55ARM1	WSE101115 55ARM1	WSE101208 45JDF1	WSE101209 10JDF1	WSE101209 30ARM1	WSE101210 00JDF1	WSE101210 15ARM1	WSE101211 10JDF1	WSE101211 25JDF1	WSE101211 40JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.71	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.43	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	1.4	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.6	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.14	2.4	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/12/2010 1:15 PM	10/12/2010 1:35 PM	10/12/2010 1:55 PM	10/14/2010 8:55 AM	10/14/2010 9:15 AM	10/14/2010 9:45 AM	10/14/2010 9:50 AM	10/14/2010 10:45 AM	10/14/2010 10:45 AM	10/14/2010 11:00 AM	10/14/2010 11:25 AM	10/14/2010 11:25 AM	10/14/2010 2:15 PM	10/14/2010 2:45 PM	10/14/2010 2:55 PM	10/14/2010 3:10 PM
	Sample	WSE101213 15ARM1	WSE101213 35ARM1	WSE101213 55ARM1	WSE101408 55JDF1	WSE101409 15JDF1	WSE101409 45ARM1	WSE101409 50JDF1	WSE101410 45JDF1	WSE101410 45ARM1	WSE101411 00JDF1	WSE101411 25JDF1	WSE101411 25ARM1	WSE101414 15ARM1	WSE101414 45JDF1	WSE101414 55ARM1	WSE101415 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.5	3.4	3.4	3.4	3.3	3.6	3.2	3.4	3.2	3.3	3.5	3.4	3.3	3.5	3.2	3.3
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	0.007	0.0025	0.00064	0.0013	0.00085	0.00025	0.00029	0.0002	0.00019	0.00018	0.00022	0.00016	0.0002
Arsenic	mg/l	0.00068	0.00071	0.00078	0.00091	0.00084	0.0013	0.00081	0.00078	0.00085	0.0008	0.00091	0.00082	0.00099	0.00081	0.00088	0.00092
Barium	mg/l	0.056	0.057	0.056	0.059	0.059	0.026	0.06	0.045	0.059	0.04	0.038	0.062	0.06	0.044	0.057	0.045
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	0.00019	0.000046	0.00017	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	0.00016	< 0.001	0.00015	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00053	0.00053	0.00031	0.00049	0.00045	0.00033	0.00042	0.00024	0.00037	0.00026	0.00027	0.00031	0.00031	0.00029	0.00029	0.00028
Cobalt	mg/l	0.00052	0.00053	0.00049	0.00048	0.00036	0.00042	0.00036	0.00032	0.00035	0.00034	0.00032	0.00033	0.00035	0.00031	0.00033	0.00032
Copper	mg/l	0.0012	0.0011	0.001	0.0012	0.001	0.00094	0.0031	0.00094	0.0016	0.00086	0.0011	0.00097	0.00097	0.00088	0.0011	0.00083
Hardness	mg/l	290	290	280	310	300	280	310	290	310	290	290	310	320	290	300	290
Iron	mg/l	0.38	0.38	0.26	0.3	0.27	0.21	0.29	0.21	0.28	0.2	0.21	0.25	0.24	0.23	0.24	0.24
Lead	mg/l	< 0.003	< 0.003	< 0.003	0.00057	0.00045	0.00037	0.00043	0.00033	0.00041	0.00032	0.00029	0.0003	0.00037	0.00035	0.00037	0.00036
Manganese	mg/l	0.059	0.06	0.045	0.059	0.059	0.05	0.057	0.059	0.059	0.055	0.059	0.061	0.06	0.06	0.056	0.059
Mercury (Total)	mg/l	0.000011	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.001	0.00099	0.0012	0.0023	0.0023	0.0019	0.0022	0.002	0.002	0.002	0.0025	0.002	0.0021	0.002	0.002	0.002
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.001	0.00078	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	0.00007	0.000016	0.000073	< 0.0002	< 0.0002	< 0.0002	0.000019	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	0.00021	< 0.002	0.00047	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.0049	0.0047	0.0051	0.00031	0.00024	0.00029	0.00027	0.00025	0.00029	0.00032	0.00026	0.00017	0.00027	0.00036	0.00025	0.00023
Zinc	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	0.0017	< 0.01	< 0.01	< 0.01	0.0034	< 0.01	0.0063	0.0024	< 0.01	0.0028	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/12/2010 1:15 PM	10/12/2010 1:35 PM	10/12/2010 1:55 PM	10/14/2010 8:55 AM	10/14/2010 9:15 AM	10/14/2010 9:45 AM	10/14/2010 9:50 AM	10/14/2010 10:45 AM	10/14/2010 10:45 AM	10/14/2010 11:00 AM	10/14/2010 11:25 AM	10/14/2010 11:25 AM	10/14/2010 2:15 PM	10/14/2010 2:45 PM	10/14/2010 2:55 PM	10/14/2010 3:10 PM
	Sample	WSE101213 15ARM1	WSE101213 35ARM1	WSE101213 55ARM1	WSE101408 55JDF1	WSE101409 15JDF1	WSE101409 45ARM1	WSE101409 50JDF1	WSE101410 45JDF1	WSE101410 45ARM1	WSE101411 00JDF1	WSE101411 25JDF1	WSE101411 25ARM1	WSE101414 15ARM1	WSE101414 45JDF1	WSE101414 55ARM1	WSE101415 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/12/2010 1:15 PM	10/12/2010 1:35 PM	10/12/2010 1:55 PM	10/14/2010 8:55 AM	10/14/2010 9:15 AM	10/14/2010 9:45 AM	10/14/2010 9:50 AM	10/14/2010 10:45 AM	10/14/2010 10:45 AM	10/14/2010 11:00 AM	10/14/2010 11:25 AM	10/14/2010 11:25 AM	10/14/2010 2:15 PM	10/14/2010 2:45 PM	10/14/2010 2:55 PM	10/14/2010 3:10 PM
	Sample	WSE101213 15ARM1	WSE101213 35ARM1	WSE101213 55ARM1	WSE101408 55JDF1	WSE101409 15JDF1	WSE101409 45ARM1	WSE101409 50JDF1	WSE101410 45JDF1	WSE101410 45ARM1	WSE101411 00JDF1	WSE101411 25JDF1	WSE101411 25ARM1	WSE101414 15ARM1	WSE101414 45JDF1	WSE101414 55ARM1	WSE101415 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	< 6	5.5	< 6	5.5	< 6	< 6	5	< 6	5.5	< 6	6.5	< 6	5.5	< 6	< 6	6.5
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/12/2010 1:15 PM	10/12/2010 1:35 PM	10/12/2010 1:55 PM	10/14/2010 8:55 AM	10/14/2010 9:15 AM	10/14/2010 9:45 AM	10/14/2010 9:50 AM	10/14/2010 10:45 AM	10/14/2010 10:45 AM	10/14/2010 11:00 AM	10/14/2010 11:25 AM	10/14/2010 11:25 AM	10/14/2010 2:15 PM	10/14/2010 2:45 PM	10/14/2010 2:55 PM	10/14/2010 3:10 PM
	Sample	WSE101213 15ARM1	WSE101213 35ARM1	WSE101213 55ARM1	WSE101408 55JDF1	WSE101409 15JDF1	WSE101409 45ARM1	WSE101409 50JDF1	WSE101410 45JDF1	WSE101410 45ARM1	WSE101411 00JDF1	WSE101411 25JDF1	WSE101411 25ARM1	WSE101414 15ARM1	WSE101414 45JDF1	WSE101414 55ARM1	WSE101415 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	0.21	0.16	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/14/2010 3:15 PM	10/14/2010 3:25 PM	10/15/2010 8:50 AM	10/15/2010 9:25 AM	10/15/2010 9:55 AM	10/15/2010 10:25 AM	10/15/2010 10:45 AM	10/15/2010 11:20 AM	10/15/2010 1:15 PM	10/15/2010 1:35 PM	10/16/2010 9:45 AM	10/16/2010 10:20 AM	10/16/2010 10:40 AM	10/16/2010 1:45 PM	10/16/2010 1:55 PM	10/16/2010 2:35 PM
	Sample	WSE101415 15ARM1	WSE101415 25JDF1	WSE101508 50JDF1	WSE101509 25JDF1	WSE101509 55ARM1	WSE101510 25ARM1	WSE101510 45ARM1	WSE101511 20ARM1	WSE101513 15ARM1	WSE101513 35ARM1	WSE101609 45ARM1	WSE101610 20JDF1	WSE101610 40ARM3	WSE101613 45JDF1	WSE101613 55ARM1	WSE101614 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.3	3.4	3.8	3.9	3.1	3.3	3.3	3.2	3.4	3.5	3.7	3.7	3.9	3.9	3.9	3.8
Metals																	
Antimony	mg/l	0.00014	0.00018	< 0.002	< 0.002	0.00029	0.00023	0.00016	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0045	< 0.002
Arsenic	mg/l	0.00066	0.00081	0.0011	0.00099	0.00076	0.0012	0.00081	0.00066	0.00081	0.00096	0.0011	0.00088	0.0011	0.0012	0.0013	0.00092
Barium	mg/l	0.059	0.048	0.06	0.057	0.057	0.055	0.054	0.055	0.058	0.061	0.062	0.064	0.057	0.064	0.12	0.064
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00035	0.0003	0.00037	0.00035	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00049	0.00017	0.00026	0.00017	0.0005	0.00017
Cobalt	mg/l	0.00033	0.00032	0.00037	0.00035	0.00039	0.0004	0.00038	0.00035	0.00038	0.00041	0.00031	0.00028	0.0003	0.00029	0.00035	0.00029
Copper	mg/l	0.00091	0.00089	< 0.005	< 0.005	0.0011	0.0011	0.001	0.00093	0.0011	0.0011	0.001	0.00081	0.0024	0.00083	0.0012	0.00085
Hardness	mg/l	300	290	300	280	290	300	290	280	290	280	310	310	320	310	310	320
Iron	mg/l	0.26	0.24	0.33	0.31	0.3	0.34	0.29	0.24	0.34	0.45	0.33	0.23	0.28	0.23	0.37	0.23
Lead	mg/l	0.0004	0.00037	< 0.003	< 0.003	0.00049	0.00052	0.00041	0.00028	0.0004	0.0006	0.00046	0.0002	0.00036	0.00021	0.00053	0.00021
Manganese	mg/l	0.061	0.063	0.068	0.065	0.056	0.059	0.054	0.057	0.068	0.08	0.061	0.055	0.056	0.05	0.13	0.047
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	0.00087	0.00085	0.00097	0.001	0.00091	0.00082	0.00083	0.00083	0.00079	0.00081	0.00084	0.00076	0.0015	0.0011
Nickel	mg/l	0.002	0.002	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.002	0.0019	0.002	0.0019	0.0021	0.0019
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00076	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00067
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000021	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.0002	0.00029	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.00041	0.0002	0.00025	0.00029	0.00034	0.00036
Zinc	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	0.0032	0.0076	0.0041	0.0022	0.0036	0.0096	0.0044	0.0018	0.002	0.003	0.0046	0.0021
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.77	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/14/2010 3:15 PM	10/14/2010 3:25 PM	10/15/2010 8:50 AM	10/15/2010 9:25 AM	10/15/2010 9:55 AM	10/15/2010 10:25 AM	10/15/2010 10:45 AM	10/15/2010 11:20 AM	10/15/2010 1:15 PM	10/15/2010 1:35 PM	10/16/2010 9:45 AM	10/16/2010 10:20 AM	10/16/2010 10:40 AM	10/16/2010 1:45 PM	10/16/2010 1:55 PM	10/16/2010 2:35 PM
	Sample	WSE101415 15ARM1	WSE101415 25JDF1	WSE101508 50JDF1	WSE101509 25JDF1	WSE101509 55ARM1	WSE101510 25ARM1	WSE101510 45ARM1	WSE101511 20ARM1	WSE101513 15ARM1	WSE101513 35ARM1	WSE101609 45ARM1	WSE101610 20JDF1	WSE101610 40ARM3	WSE101613 45JDF1	WSE101613 55ARM1	WSE101614 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---	---	---	---
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/14/2010 3:15 PM	10/14/2010 3:25 PM	10/15/2010 8:50 AM	10/15/2010 9:25 AM	10/15/2010 9:55 AM	10/15/2010 10:25 AM	10/15/2010 10:45 AM	10/15/2010 11:20 AM	10/15/2010 1:15 PM	10/15/2010 1:35 PM	10/16/2010 9:45 AM	10/16/2010 10:20 AM	10/16/2010 10:40 AM	10/16/2010 1:45 PM	10/16/2010 1:55 PM	10/16/2010 2:35 PM
	Sample	WSE101415 15ARM1	WSE101415 25JDF1	WSE101508 50JDF1	WSE101509 25JDF1	WSE101509 55ARM1	WSE101510 25ARM1	WSE101510 45ARM1	WSE101511 20ARM1	WSE101513 15ARM1	WSE101513 35ARM1	WSE101609 45ARM1	WSE101610 20JDF1	WSE101610 40ARM3	WSE101613 45JDF1	WSE101613 55ARM1	WSE101614 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---	---	---	---
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---	---	---	---
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	9.5	< 6	5.5	6	6	10	6	5	7	10	5.5	< 6	< 6	< 6	7	< 6
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	---	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.25	< 1	< 1	< 1	0.17	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	ug/l	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Methylnaphthalene	ug/l	< 10	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 2	< 2	< 2	< 2	< 2	0.96	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acetone	ug/l	< 20	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acrylonitrile	ug/l	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/14/2010 3:15 PM	10/14/2010 3:25 PM	10/15/2010 8:50 AM	10/15/2010 9:25 AM	10/15/2010 9:55 AM	10/15/2010 10:25 AM	10/15/2010 10:45 AM	10/15/2010 11:20 AM	10/15/2010 1:15 PM	10/15/2010 1:35 PM	10/16/2010 9:45 AM	10/16/2010 10:20 AM	10/16/2010 10:40 AM	10/16/2010 1:45 PM	10/16/2010 1:55 PM	10/16/2010 2:35 PM
	Sample	WSE101415 15ARM1	WSE101415 25JDF1	WSE101508 50JDF1	WSE101509 25JDF1	WSE101509 55ARM1	WSE101510 25ARM1	WSE101510 45ARM1	WSE101511 20ARM1	WSE101513 15ARM1	WSE101513 35ARM1	WSE101609 45ARM1	WSE101610 20JDF1	WSE101610 40ARM3	WSE101613 45JDF1	WSE101613 55ARM1	WSE101614 35ARM1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.19	< 1	< 1	< 1	0.35	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 10	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.21	< 1	< 1	< 1	0.28	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.67	< 2	< 2	< 2	0.97	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	ug/l	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.28	< 1	< 1	< 1	0.44	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	0.22	< 1	< 1	< 1	< 1	0.91	0.19	0.13	< 1	1.2	< 1	< 1	< 1	0.2
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	< 1	< 1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 3	< 3	< 3	< 3	< 3	0.94	< 3	< 3	< 3	1.4	< 3	< 3	< 3	< 3

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/16/2010 3:00 PM	10/17/2010 8:45 AM	10/17/2010 10:00 AM	10/17/2010 10:15 AM	10/17/2010 10:35 AM	10/17/2010 11:45 AM	10/17/2010 1:05 PM	10/17/2010 1:25 PM	10/17/2010 1:40 PM	10/17/2010 2:55 PM	10/18/2010 9:35 AM	10/18/2010 9:50 AM	10/18/2010 9:50 AM	10/18/2010 10:10 AM	10/18/2010 11:00 AM	10/18/2010 11:15 AM
	Sample	WSE101615 00JDF1	WSE101708 45JDF1	WSE101710 00JDF1	WSE101710 15JDF1	WSE101710 35JDF1	WSE101711 45ARM1	WSE101713 05JDF1	WSE101713 25JDF1	WSE101713 40JDF1	WSE101714 55ARM1	WSE101809 35JDF1	WSE101809 50JDF1	WSE101809 50JWP1	WSE101810 10JDF1	WSE101811 00JWP1	WSE101811 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.8	3.7	3.9	4	3.9	3.9	3.8	3.8	3.9	3.8	3.3	3.3	3.8	3.3	3.7	3.3
Metals																	
Antimony	mg/l	< 0.002	0.0015	0.00075	0.00015	0.00013	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00013	0.0015	< 0.002	0.00052	< 0.002
Arsenic	mg/l	0.0011	0.00069	0.0008	0.00077	0.00085	0.00089	0.0008	0.00098	0.0008	0.0012	0.00095	0.0012	0.00093	0.001	0.0013	0.00091
Barium	mg/l	0.066	0.061	0.054	0.056	0.057	0.056	0.056	0.057	0.059	0.067	0.06	0.061	0.028	0.062	0.066	0.052
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.00033	0.00044	0.00045	0.00052	0.00058	0.00046	0.00048	0.00057	0.00053	0.0029	0.00041	0.00045	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.0003	0.00039	0.00038	0.0004	0.00039	0.0004	0.00037	0.00039	0.00039	0.00056	0.0003	0.0003	0.0003	0.00032	0.00041	0.00031
Copper	mg/l	0.00084	0.001	0.0012	0.0013	0.0011	0.0015	0.001	0.0011	0.0012	0.002	0.00089	0.00092	0.00088	0.00089	0.0014	0.00091
Hardness	mg/l	320	290	280	290	290	290	290	290	300	300	300	310	280	310	310	310
Iron	mg/l	0.29	0.31	0.31	0.33	0.35	0.32	0.29	0.34	0.36	1.2	0.26	0.28	0.17	0.3	0.73	0.23
Lead	mg/l	0.00034	0.00033	0.00044	0.0005	0.00052	0.00045	0.00039	0.00048	0.00058	0.002	0.00032	0.00034	0.00019	0.00038	0.0011	0.00031
Manganese	mg/l	0.074	0.067	0.056	0.059	0.061	0.056	0.054	0.06	0.064	0.11	0.054	0.056	0.041	0.058	0.078	0.056
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000013	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00019
Molybdenum	mg/l	0.00075	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00081	0.00079	0.0011	0.00093	0.00095	0.00085
Nickel	mg/l	0.0019	0.0024	0.0025	0.0024	0.0025	0.0028	0.0024	0.0026	0.0026	0.0035	0.0019	0.002	0.0022	0.002	0.0025	0.002
Selenium	mg/l	< 0.005	< 0.005	0.0012	0.00069	0.00062	0.0012	< 0.005	0.00065	0.00068	< 0.005	< 0.005	< 0.005	< 0.005	0.00062	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000029	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00034	0.00016	0.00029	0.00028	0.0003	0.00042	0.00024	0.0004	0.00032	0.00063	0.00019	0.00014	0.00031	0.00023	0.00044	0.00025
Zinc	mg/l	0.0026	0.0025	0.0035	0.0047	0.0049	0.0043	0.0027	0.0027	0.0032	0.012	0.0032	0.0029	0.0027	0.0024	0.0054	0.0032
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/16/2010 3:00 PM	10/17/2010 8:45 AM	10/17/2010 10:00 AM	10/17/2010 10:15 AM	10/17/2010 10:35 AM	10/17/2010 11:45 AM	10/17/2010 1:05 PM	10/17/2010 1:25 PM	10/17/2010 1:40 PM	10/17/2010 2:55 PM	10/18/2010 9:35 AM	10/18/2010 9:50 AM	10/18/2010 9:50 AM	10/18/2010 10:10 AM	10/18/2010 11:00 AM	10/18/2010 11:15 AM
	Sample	WSE101615 00JDF1	WSE101708 45JDF1	WSE101710 00JDF1	WSE101710 15JDF1	WSE101710 35JDF1	WSE101711 45ARM1	WSE101713 05JDF1	WSE101713 25JDF1	WSE101713 40JDF1	WSE101714 55ARM1	WSE101809 35JDF1	WSE101809 50JDF1	WSE101809 50JWP1	WSE101810 10JDF1	WSE101811 00JWP1	WSE101811 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/16/2010 3:00 PM	10/17/2010 8:45 AM	10/17/2010 10:00 AM	10/17/2010 10:15 AM	10/17/2010 10:35 AM	10/17/2010 11:45 AM	10/17/2010 1:05 PM	10/17/2010 1:25 PM	10/17/2010 1:40 PM	10/17/2010 2:55 PM	10/18/2010 9:35 AM	10/18/2010 9:50 AM	10/18/2010 9:50 AM	10/18/2010 10:10 AM	10/18/2010 11:00 AM	10/18/2010 11:15 AM
	Sample	WSE101615 00JDF1	WSE101708 45JDF1	WSE101710 00JDF1	WSE101710 15JDF1	WSE101710 35JDF1	WSE101711 45ARM1	WSE101713 05JDF1	WSE101713 25JDF1	WSE101713 40JDF1	WSE101714 55ARM1	WSE101809 35JDF1	WSE101809 50JDF1	WSE101809 50JWP1	WSE101810 10JDF1	WSE101811 00JWP1	WSE101811 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	---	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	< 6	< 6	6	5	< 6	6	5.5	< 6	7	< 6	< 6	5	< 6	< 6	12	< 6
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.13	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.16	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.14	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.84	< 1	0.33	< 1	0.27
4-Methyl-2-pentanone (MIBK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acetone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acrylonitrile	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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	Date Collected	10/16/2010 3:00 PM	10/17/2010 8:45 AM	10/17/2010 10:00 AM	10/17/2010 10:15 AM	10/17/2010 10:35 AM	10/17/2010 11:45 AM	10/17/2010 1:05 PM	10/17/2010 1:25 PM	10/17/2010 1:40 PM	10/17/2010 2:55 PM	10/18/2010 9:35 AM	10/18/2010 9:50 AM	10/18/2010 9:50 AM	10/18/2010 10:10 AM	10/18/2010 11:00 AM	10/18/2010 11:15 AM
	Sample	WSE101615 00JDF1	WSE101708 45JDF1	WSE101710 00JDF1	WSE101710 15JDF1	WSE101710 35JDF1	WSE101711 45ARM1	WSE101713 05JDF1	WSE101713 25JDF1	WSE101713 40JDF1	WSE101714 55ARM1	WSE101809 35JDF1	WSE101809 50JDF1	WSE101809 50JWP1	WSE101810 10JDF1	WSE101811 00JWP1	WSE101811 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	0.12	< 1	< 1	0.22	< 1	< 1	< 1	0.29	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.23	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	0.34	0.23	< 2	0.51	< 2	< 2	< 2	0.71	< 2	< 2	< 2	< 2	< 2	0.3
Methyl Iodide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.11	< 1	0.32	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	0.15	0.11	< 1	0.23	< 1	< 1	< 1	0.3	< 1	< 1	< 1	< 1	< 1	0.16
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	0.3	0.19	0.47	0.27	0.23	0.74	0.1	0.28	< 1	1.4	0.23	0.22	< 1	< 1	< 1	0.54
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	0.48	0.34	< 3	0.74	< 3	< 3	< 3	1	< 3	< 3	< 3	< 3	< 3	0.47

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/18/2010 11:30 AM	10/18/2010 11:50 AM	10/18/2010 1:45 PM	10/18/2010 2:00 PM	10/18/2010 2:05 PM	10/18/2010 2:15 PM	10/18/2010 2:20 PM	10/18/2010 2:45 PM	10/18/2010 3:15 PM	10/19/2010 9:20 AM	10/19/2010 9:25 AM	10/19/2010 9:35 AM	10/19/2010 9:40 AM	10/19/2010 9:45 AM	10/19/2010 10:45 AM	10/19/2010 10:45 AM
	Sample	WSE101811 30JDF1	WSE101811 50JDF1	WSE101813 45JWP1	WSE101814 00JWP1	WSE101814 05JDF1	WSE101814 15JWP1	WSE101814 20JDF1	WSE101814 45JDF1	WSE101815 15JWP1	WSE101909 20JDF1	WSE101909 25JWP1	WSE101909 35JWP1	WSE101909 40JDF1	WSE101909 45JWP1	WSE101910 45JDF1	WSE101910 45JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.3	3.2	3.8	3.7	3.2	3.7	3.3	3.3	3.9	3.1	3.8	3.4	3.1	3.4	3.1	3.2
Metals																	
Antimony	mg/l	< 0.002	< 0.002	0.00021	0.00018	< 0.002	0.00018	< 0.002	< 0.002	0.00017	< 0.002	< 0.002	< 0.002	0.0001348	< 0.002	< 0.002	< 0.002
Arsenic	mg/l	0.0011	0.0012	0.0011	0.00081	0.0011	0.00086	0.00082	0.00089	0.00099	0.0007993	0.00093	0.0008532	0.0009791	0.0009437	0.000831	0.001009
Barium	mg/l	0.05	0.048	0.063	0.058	0.042	0.062	0.047	0.05	0.057	0.0617	0.05805	0.05833	0.06208	0.05902	0.06136	0.05923
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	< 0.005	0.00052	< 0.005	0.00039	< 0.005	< 0.005	0.00036	0.0002995	0.0004935	0.0004702	0.0003464	0.0004979	0.0002928	0.0006276
Cobalt	mg/l	0.0003	0.00029	0.00036	< 0.005	0.0003	< 0.005	0.00031	0.00031	< 0.005	0.0003272	0.0003344	0.000344	0.0003333	0.0003542	0.0003148	0.0003514
Copper	mg/l	0.00091	0.00078	0.0013	0.0012	0.0008	0.0014	0.00082	0.0009	0.00089	0.0009314	0.0009326	0.0009568	0.001053	0.001104	0.000979	0.001164
Hardness	mg/l	300	300	310	290	300	310	310	310	300	294.1	299.4	308.4	295.3	310.5	292.6	297.6
Iron	mg/l	0.23	0.22	0.41	0.35	0.2	0.3	0.23	0.25	0.25	0.2771	0.2718	0.3984	0.2806	0.9502	0.2218	0.6325
Lead	mg/l	0.0003	0.00027	0.00061	0.0004	0.00026	0.00041	0.00031	0.00033	0.00031	0.0002964	0.0003519	0.000359	0.0003012	0.0003693	0.0001834	0.0004568
Manganese	mg/l	0.055	0.055	0.063	0.054	0.045	0.056	0.051	0.055	0.056	0.05617	0.05381	0.05449	0.05626	0.05526	0.04708	0.05619
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0008	0.00081	0.00099	< 0.005	0.00078	< 0.005	0.0008	0.00079	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.002	0.002	0.0024	0.0022	0.002	0.0022	0.0021	0.0021	0.0022	0.002094	0.002172	0.002202	0.002234	0.00236	0.00213	0.00221
Selenium	mg/l	< 0.005	< 0.005	< 0.005	0.00072	< 0.005	< 0.005	< 0.005	0.00072	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00016	0.00015	0.00038	0.00032	0.00027	0.00036	0.00026	0.00033	0.00033	0.000345	0.0003135	0.0003911	0.0003321	0.000321	0.0003345	0.0004049
Zinc	mg/l	0.002	0.0023	0.0038	0.0028	0.0067	0.0028	0.0056	0.0026	0.0024	0.002688	0.002768	0.002168	0.003886	0.002849	0.002554	0.003371
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 25	< 25	< 25	< 25	< 25
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/18/2010 11:30 AM	10/18/2010 11:50 AM	10/18/2010 1:45 PM	10/18/2010 2:00 PM	10/18/2010 2:05 PM	10/18/2010 2:15 PM	10/18/2010 2:20 PM	10/18/2010 2:45 PM	10/18/2010 3:15 PM	10/19/2010 9:20 AM	10/19/2010 9:25 AM	10/19/2010 9:35 AM	10/19/2010 9:40 AM	10/19/2010 9:45 AM	10/19/2010 10:45 AM	10/19/2010 10:45 AM
	Sample	WSE101811 30JDF1	WSE101811 50JDF1	WSE101813 45JWP1	WSE101814 00JWP1	WSE101814 05JDF1	WSE101814 15JWP1	WSE101814 20JDF1	WSE101814 45JDF1	WSE101815 15JWP1	WSE101909 20JDF1	WSE101909 25JWP1	WSE101909 35JWP1	WSE101909 40JDF1	WSE101909 45JWP1	WSE101910 45JDF1	WSE101910 45JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 25	< 25	< 25	< 25	< 25
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	0.9	< 50	< 50	< 50	< 50	< 50
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/18/2010 11:30 AM	10/18/2010 11:50 AM	10/18/2010 1:45 PM	10/18/2010 2:00 PM	10/18/2010 2:05 PM	10/18/2010 2:15 PM	10/18/2010 2:20 PM	10/18/2010 2:45 PM	10/18/2010 3:15 PM	10/19/2010 9:20 AM	10/19/2010 9:25 AM	10/19/2010 9:35 AM	10/19/2010 9:40 AM	10/19/2010 9:45 AM	10/19/2010 10:45 AM	10/19/2010 10:45 AM
	Sample	WSE101811 30JDF1	WSE101811 50JDF1	WSE101813 45JWP1	WSE101814 00JWP1	WSE101814 05JDF1	WSE101814 15JWP1	WSE101814 20JDF1	WSE101814 45JDF1	WSE101815 15JWP1	WSE101909 20JDF1	WSE101909 25JWP1	WSE101909 35JWP1	WSE101909 40JDF1	WSE101909 45JWP1	WSE101910 45JDF1	WSE101910 45JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 50	< 50	< 50	< 50	< 50
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 12	< 12	< 12	< 12	< 12	< 12
Solids																	
Suspended Solids	mg/l	< 6	< 6	5	5	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	6.5
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.12	< 1	< 1	< 1	< 1	0.14
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acetone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acrylonitrile	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/18/2010 11:30 AM	10/18/2010 11:50 AM	10/18/2010 1:45 PM	10/18/2010 2:00 PM	10/18/2010 2:05 PM	10/18/2010 2:15 PM	10/18/2010 2:20 PM	10/18/2010 2:45 PM	10/18/2010 3:15 PM	10/19/2010 9:20 AM	10/19/2010 9:25 AM	10/19/2010 9:35 AM	10/19/2010 9:40 AM	10/19/2010 9:45 AM	10/19/2010 10:45 AM	10/19/2010 10:45 AM
	Sample	WSE101811 30JDF1	WSE101811 50JDF1	WSE101813 45JWP1	WSE101814 00JWP1	WSE101814 05JDF1	WSE101814 15JWP1	WSE101814 20JDF1	WSE101814 45JDF1	WSE101815 15JWP1	WSE101909 20JDF1	WSE101909 25JWP1	WSE101909 35JWP1	WSE101909 40JDF1	WSE101909 45JWP1	WSE101910 45JDF1	WSE101910 45JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.17
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	0.3	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.27	< 2	< 2	< 2	0.23	0.35
Methyl Iodide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	0.13	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.14
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	0.62	< 1	< 1	< 1	< 1	< 1	0.36	0.24	0.13	< 1	0.5	0.2	< 1	0.19	0.37	0.41
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	0.43	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	0.49

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/19/2010 11:30 AM	10/19/2010 1:50 PM	10/19/2010 1:50 PM	10/19/2010 2:15 PM	10/19/2010 2:50 PM	10/20/2010 9:00 AM	10/20/2010 9:15 AM	10/20/2010 9:50 AM	10/20/2010 9:55 AM	10/20/2010 10:05 AM	10/20/2010 10:20 AM	10/20/2010 11:00 AM	10/20/2010 11:30 AM	10/20/2010 11:45 AM	10/20/2010 11:50 AM	10/20/2010 12:05 PM
	Sample	WSE101911 30JDF1	WSE101913 50JDF1	WSE101913 50JWP1	WSE101914 15JWP1	WSE101914 50JDF1	WSE102009 00JWP1	WSE102009 15JWP1	WSE102009 50JDF1	WSE102009 55JWP3	WSE102010 05JDF1	WSE102010 20JDF1	WSE102011 00JWP1	WSE102011 30JDF1	WSE102011 45JDF1	WSE102011 50JWP1	WSE102012 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.1	3.5	3.3	3.2	3.6	3.1	3.1	3.1	3	3.1	3.2	3.2	3.2	3.2	3.2	3.2
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	0.000147	< 0.002	< 0.002	0.0002	< 0.002	< 0.002	< 0.002	0.004	< 0.002	< 0.002	0.0003	< 0.002
Arsenic	mg/l	0.0008513	0.0008219	0.001261	0.0008054	0.00197	0.001	0.001	0.0013	0.00086	0.0011	0.00095	0.0012	0.001	0.00097	0.001	0.00087
Barium	mg/l	0.0632	0.07103	0.06638	0.06808	0.07567	0.061	0.06	0.056	0.059	0.057	0.057	0.056	0.058	0.059	0.059	0.06
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	0.00014	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	0.0003833	0.000406	< 0.005	0.0005722	0.003429	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Cobalt	mg/l	0.0003367	0.0003404	0.0003948	0.0003648	0.0006639	0.00023	0.00024	0.00027	0.00023	0.00024	0.00023	0.00028	0.00023	0.00023	0.00026	0.00024
Copper	mg/l	0.0009525	0.0009149	0.00128	0.001066	0.002884	0.00065	0.00072	0.001	< 0.005	0.0016	0.00065	0.00093	0.00074	0.00079	0.00075	0.00078
Hardness	mg/l	298	300.2	298.5	312.7	314.8	300	300	300	290	290	290	300	290	290	300	290
Iron	mg/l	0.5277	0.2817	0.5858	0.3892	2.064	0.27	0.38	0.35	0.61	0.29	0.28	1.4	0.31	0.31	0.25	0.33
Lead	mg/l	0.0002205	0.0003227	0.0008877	0.0004385	0.003337	0.00029	0.00038	0.0004	0.00025	0.00038	0.00035	0.00036	0.00041	0.00042	0.00028	0.00044
Manganese	mg/l	0.05467	0.07118	0.09129	0.0535	0.2318	0.05	0.053	0.055	0.049	0.057	0.053	0.052	0.055	0.056	0.042	0.056
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000015	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	0.001097	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	mg/l	0.002144	0.002216	0.00235	0.002264	0.003075	< 0.005	< 0.005	0.0015	< 0.005	0.0015	0.0014	< 0.005	0.0015	0.0016	< 0.005	0.0015
Selenium	mg/l	0.0006297	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.00001372	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00036	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00036	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.0003223	0.0003205	0.0004576	0.0003797	0.001076	0.00014	0.00026	0.00031	0.00027	0.00028	0.00024	0.00031	0.00022	0.00026	0.00027	0.00024
Zinc	mg/l	0.00196	0.00345	0.005132	0.003774	0.01438	0.0043	0.0031	0.0073	0.0026	0.0067	0.0026	0.0038	0.0046	0.0063	0.0028	0.0038
PCB																	
Aroclor 1016	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.8	< 0.4	< 0.8	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 25	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/19/2010 11:30 AM	10/19/2010 1:50 PM	10/19/2010 1:50 PM	10/19/2010 2:15 PM	10/19/2010 2:50 PM	10/20/2010 9:00 AM	10/20/2010 9:15 AM	10/20/2010 9:50 AM	10/20/2010 9:55 AM	10/20/2010 10:05 AM	10/20/2010 10:20 AM	10/20/2010 11:00 AM	10/20/2010 11:30 AM	10/20/2010 11:45 AM	10/20/2010 11:50 AM	10/20/2010 12:05 PM
	Sample	WSE101911 30JDF1	WSE101913 50JDF1	WSE101913 50JWP1	WSE101914 15JWP1	WSE101914 50JDF1	WSE102009 00JWP1	WSE102009 15JWP1	WSE102009 50JDF1	WSE102009 55JWP3	WSE102010 05JDF1	WSE102010 20JDF1	WSE102011 00JWP1	WSE102011 30JDF1	WSE102011 45JDF1	WSE102011 50JWP1	WSE102012 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 25	< 10	< 25	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/19/2010 11:30 AM	10/19/2010 1:50 PM	10/19/2010 1:50 PM	10/19/2010 2:15 PM	10/19/2010 2:50 PM	10/20/2010 9:00 AM	10/20/2010 9:15 AM	10/20/2010 9:50 AM	10/20/2010 9:55 AM	10/20/2010 10:05 AM	10/20/2010 10:20 AM	10/20/2010 11:00 AM	10/20/2010 11:30 AM	10/20/2010 11:45 AM	10/20/2010 11:50 AM	10/20/2010 12:05 PM
	Sample	WSE101911 30JDF1	WSE101913 50JDF1	WSE101913 50JWP1	WSE101914 15JWP1	WSE101914 50JDF1	WSE102009 00JWP1	WSE102009 15JWP1	WSE102009 50JDF1	WSE102009 55JWP3	WSE102010 05JDF1	WSE102010 20JDF1	WSE102011 00JWP1	WSE102011 30JDF1	WSE102011 45JDF1	WSE102011 50JWP1	WSE102012 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 50	< 20	< 50	< 50	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 12	< 5	< 12	< 12	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	< 6	8	9.5	6.5	53	< 6	6.5	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	5
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.25	< 0.1	< 0.25	< 0.25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.25	< 0.1	< 0.25	< 0.25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	0.25	< 1	0.59	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	0.27	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Acetone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	1.1	< 2	< 2	1.3	< 2	< 2	1.4	< 2
Acrylonitrile	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/19/2010 11:30 AM	10/19/2010 1:50 PM	10/19/2010 1:50 PM	10/19/2010 2:15 PM	10/19/2010 2:50 PM	10/20/2010 9:00 AM	10/20/2010 9:15 AM	10/20/2010 9:50 AM	10/20/2010 9:55 AM	10/20/2010 10:05 AM	10/20/2010 10:20 AM	10/20/2010 11:00 AM	10/20/2010 11:30 AM	10/20/2010 11:45 AM	10/20/2010 11:50 AM	10/20/2010 12:05 PM
	Sample	WSE101911 30JDF1	WSE101913 50JDF1	WSE101913 50JWP1	WSE101914 15JWP1	WSE101914 50JDF1	WSE102009 00JWP1	WSE102009 15JWP1	WSE102009 50JDF1	WSE102009 55JWP3	WSE102010 05JDF1	WSE102010 20JDF1	WSE102011 00JWP1	WSE102011 30JDF1	WSE102011 45JDF1	WSE102011 50JWP1	WSE102012 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	0.11	0.64	< 1	1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	0.56	< 1	1.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	0.14	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	0.32	1.9	< 2	5.5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl Iodide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 1	< 1	0.2	< 1	0.36	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	0.15	< 1	0.42	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	0.15	0.84	< 1	2.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	0.14	0.51	3.3	0.12	9.6	< 1	< 1	< 1	0.14	0.13	0.3	< 1	0.14	0.12	< 1	0.17
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	0.46	2.8	< 3	7.9	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/21/2010 9:20 AM	10/21/2010 9:25 AM	10/21/2010 9:35 AM	10/21/2010 9:45 AM	10/21/2010 9:50 AM	10/21/2010 10:00 AM	10/21/2010 10:30 AM	10/21/2010 11:00 AM	10/21/2010 11:40 AM	10/21/2010 1:25 PM	10/21/2010 1:45 PM	10/21/2010 2:00 PM	10/22/2010 9:20 AM	10/22/2010 9:45 AM	10/22/2010 9:55 AM	10/22/2010 10:10 AM
	Sample	WSE102109 20JWP1	WSE102109 25JDF1	WSE102109 35JWP1	WSE102109 45JDF1	WSE102109 50JWP1	WSE102110 00JDF1	WSE102110 30JWP1	WSE102111 00JWP1	WSE102111 40JWP1	WSE102113 25JDF1	WSE102113 45JDF1	WSE102114 00JDF1	WSE102209 20DWS1	WSE102209 45JDF1	WSE102209 55DWS1	WSE102210 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.7	3.6	3.7	3.8	3.6	3.7	3.6	4.2	3.2	3.7	3.8	4	3.1	3.7	4.5	3.7
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	0.00015	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00042	< 0.002
Arsenic	mg/l	0.0011	0.00092	0.00089	0.00098	0.001	0.001	0.00091	0.0011	0.00085	0.001	0.0011	0.0011	0.001	0.00091	0.0014	0.0012
Barium	mg/l	0.053	0.041	0.055	0.049	0.052	0.054	0.056	0.059	0.057	0.051	0.056	0.055	0.065	0.05	0.063	0.053
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00017	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chromium (Total)	mg/l	< 0.005	< 0.005	0.00052	< 0.005	0.00048	< 0.005	0.00063	0.00032	0.00019	< 0.005	< 0.005	< 0.005	< 0.005	0.00041	0.00094	0.00028
Cobalt	mg/l	< 0.005	< 0.005	0.00037	< 0.005	0.00028	< 0.005	0.00029	0.00026	0.00025	< 0.005	< 0.005	< 0.005	< 0.005	0.00031	0.00044	0.00033
Copper	mg/l	< 0.005	< 0.005	0.0012	< 0.005	0.0012	< 0.005	0.00078	0.00056	0.00056	< 0.005	< 0.005	< 0.005	< 0.005	0.00095	0.00078	0.00096
Hardness	mg/l	290	270	320	280	280	290	290	270	280	280	290	290	320	300	310	310
Iron	mg/l	0.45	0.19	0.44	0.24	0.27	0.27	0.64	0.21	0.19	0.22	0.24	0.28	0.3	0.22	0.51	0.22
Lead	mg/l	0.00045	0.00024	0.00041	0.0003	0.00037	0.00035	0.00046	0.00027	0.00015	0.00029	0.00031	0.00039	< 0.003	0.00033	0.001	0.00034
Manganese	mg/l	0.053	0.041	0.054	0.046	0.049	0.046	0.043	0.069	0.04	0.053	0.057	0.06	0.053	0.053	0.073	0.056
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.005	< 0.005	0.00092	< 0.005	0.0012	< 0.005	0.001	0.00092	0.00085	< 0.005	< 0.005	< 0.005	< 0.005	0.001	0.0023	0.001
Nickel	mg/l	0.0017	0.0017	0.0024	0.0017	0.0015	0.0016	0.0016	0.0015	0.0014	0.0017	0.0017	0.0017	< 0.005	< 0.005	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00061	< 0.005
Silver	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000046	< 0.0002
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	0.00027	< 0.002	0.00015	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.00019	< 0.002
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	mg/l	0.00028	0.00022	0.0026	0.00026	0.00023	0.00029	0.00031	0.00021	0.00028	0.00025	0.00022	0.00025	0.00029	0.00031	0.00044	0.00039
Zinc	mg/l	0.011	0.0014	0.006	0.0015	0.002	< 0.01	0.13	0.0018	0.0013	0.0036	0.0064	0.0032	0.0029	< 0.01	< 0.01	< 0.01
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/21/2010 9:20 AM	10/21/2010 9:25 AM	10/21/2010 9:35 AM	10/21/2010 9:45 AM	10/21/2010 9:50 AM	10/21/2010 10:00 AM	10/21/2010 10:30 AM	10/21/2010 11:00 AM	10/21/2010 11:40 AM	10/21/2010 1:25 PM	10/21/2010 1:45 PM	10/21/2010 2:00 PM	10/22/2010 9:20 AM	10/22/2010 9:45 AM	10/22/2010 9:55 AM	10/22/2010 10:10 AM
	Sample	WSE102109 20JWP1	WSE102109 25JDF1	WSE102109 35JWP1	WSE102109 45JDF1	WSE102109 50JWP1	WSE102110 00JDF1	WSE102110 30JWP1	WSE102111 00JWP1	WSE102111 40JWP1	WSE102113 25JDF1	WSE102113 45JDF1	WSE102114 00JDF1	WSE102209 20DWS1	WSE102209 45JDF1	WSE102209 55DWS1	WSE102210 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/21/2010 9:20 AM	10/21/2010 9:25 AM	10/21/2010 9:35 AM	10/21/2010 9:45 AM	10/21/2010 9:50 AM	10/21/2010 10:00 AM	10/21/2010 10:30 AM	10/21/2010 11:00 AM	10/21/2010 11:40 AM	10/21/2010 1:25 PM	10/21/2010 1:45 PM	10/21/2010 2:00 PM	10/22/2010 9:20 AM	10/22/2010 9:45 AM	10/22/2010 9:55 AM	10/22/2010 10:10 AM
	Sample	WSE102109 20JWP1	WSE102109 25JDF1	WSE102109 35JWP1	WSE102109 45JDF1	WSE102109 50JWP1	WSE102110 00JDF1	WSE102110 30JWP1	WSE102111 00JWP1	WSE102111 40JWP1	WSE102113 25JDF1	WSE102113 45JDF1	WSE102114 00JDF1	WSE102209 20DWS1	WSE102209 45JDF1	WSE102209 55DWS1	WSE102210 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Solids																	
Suspended Solids	mg/l	5.5	< 6	< 6	< 6	< 6	< 6	5	8.5	< 6	6	< 6	< 6	< 6	5	10	5.5
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichloro-2-butene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2
2-Butanone (MEK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5
2-Hexanone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10
4-Methyl-2-pentanone (MIBK)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5
Acetone	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20	< 20	< 20	< 20
Acrylonitrile	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/21/2010 9:20 AM	10/21/2010 9:25 AM	10/21/2010 9:35 AM	10/21/2010 9:45 AM	10/21/2010 9:50 AM	10/21/2010 10:00 AM	10/21/2010 10:30 AM	10/21/2010 11:00 AM	10/21/2010 11:40 AM	10/21/2010 1:25 PM	10/21/2010 1:45 PM	10/21/2010 2:00 PM	10/22/2010 9:20 AM	10/22/2010 9:45 AM	10/22/2010 9:55 AM	10/22/2010 10:10 AM
	Sample	WSE102109 20JWP1	WSE102109 25JDF1	WSE102109 35JWP1	WSE102109 45JDF1	WSE102109 50JWP1	WSE102110 00JDF1	WSE102110 30JWP1	WSE102111 00JWP1	WSE102111 40JWP1	WSE102113 25JDF1	WSE102113 45JDF1	WSE102114 00JDF1	WSE102209 20DWS1	WSE102209 45JDF1	WSE102209 55DWS1	WSE102210 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon disulfide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.5	< 2.5	< 2.5	< 2.5
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl ether	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 10	< 10	< 10
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.36	< 2	< 2
Methyl Iodide	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 5	< 5	< 5
Methylene chloride	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.4	< 2	< 2	< 2	< 5	< 5	< 5	< 5
Methyl-tert-butyl ether (MTBE)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2
Toluene	ug/l	0.22	0.19	0.14	0.16	0.14	0.11	0.13	0.13	0.25	< 1	0.11	0.12	< 1	0.82	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1	< 1
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 2	< 2	< 2	< 2

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/22/2010 10:10 AM	10/22/2010 10:35 AM	10/22/2010 10:35 AM	10/22/2010 1:25 PM	10/23/2010 9:00 AM	10/23/2010 9:40 AM	10/23/2010 9:45 AM	10/23/2010 10:23 AM	10/23/2010 11:00 AM	10/23/2010 11:20 AM	10/23/2010 11:30 AM	10/23/2010 1:45 PM	10/23/2010 2:10 PM	10/25/2010 10:35 AM	10/25/2010 10:55 AM	10/25/2010 11:15 AM
	Sample	WSE102210 10DWS1	WSE102210 35JDF1	WSE102210 35DWS1	WSE102213 25DWS1	WSE102309 00PML1	WSE102309 40JWP1	WSE102309 45PML1	WSE102310 23JWP3	WSE102311 00PML1	WSE102311 20JWP1	WSE102311 30JWP1	WSE102313 45JWP1	WSE102314 10PML1	WSE102510 35JDF1	WSE102510 55JDF1	WSE102511 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	3.4	3.7	3.4	3	3.3	3.5	3.3	3.4	3.3	4.2	3.5	3.4	3.3	---	---	---
Metals																	
Antimony	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---
Arsenic	mg/l	0.0012	0.00085	0.0011	0.00075	0.00087	0.0011	0.001	0.00086	0.00067	0.0011	0.0013	0.0011	0.00059	---	---	---
Barium	mg/l	0.061	0.047	0.058	0.063	0.061	0.06	0.064	0.062	0.058	0.062	0.062	0.061	0.061	---	---	---
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000099	< 0.001	< 0.001	< 0.001	0.000066	0.000048	< 0.001	< 0.001
Cadmium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	---	---	---
Chromium (Total)	mg/l	0.00059	0.00042	0.00038	0.00036	0.00034	0.00081	0.00039	0.00039	0.00042	0.00048	0.00046	0.00069	0.00033	---	---	---
Cobalt	mg/l	0.00035	0.00032	0.00032	0.0003	0.00035	0.00039	0.00037	0.00036	0.00034	0.00037	0.00036	0.00037	0.00036	---	---	---
Copper	mg/l	0.00055	0.00092	0.00045	< 0.005	0.00095	0.0011	0.0011	0.0009	0.00095	0.001	0.001	0.0011	0.00087	---	---	---
Hardness	mg/l	310	280	310	300	290	300	310	300	290	290	300	290	300	---	---	---
Iron	mg/l	0.35	0.23	0.32	0.21	0.28	0.31	0.27	0.26	0.25	0.3	0.29	0.41	0.24	0.29	0.32	0.31
Lead	mg/l	0.00055	0.00033	0.0005	0.00014	0.00027	0.00037	0.00025	0.00026	0.00022	0.00027	0.00026	0.00048	0.0002	---	---	---
Manganese	mg/l	0.064	0.054	0.06	0.043	0.049	0.055	0.058	0.055	0.043	0.057	0.06	0.056	0.072	---	---	---
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0012	0.00088	0.0011	0.0011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0022	0.0013	0.0011
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	0.0025	0.0028	0.0027	0.0025	0.0026	0.0027	0.0026	0.0026	0.0026	0.0028	< 0.005	< 0.005
Selenium	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00099	< 0.005	< 0.005	< 0.005	< 0.005	0.0011	0.00079	< 0.005	---	---	---
Silver	mg/l	0.00011	< 0.0002	0.000066	0.000044	< 0.0002	0.000025	< 0.0002	< 0.0002	0.000037	< 0.0002	< 0.0002	< 0.0002	0.000019	---	---	---
Thallium	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---	---	---
Titanium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0016	0.0018	0.0018
Vanadium	mg/l	0.00041	0.00038	0.00024	0.00024	0.00035	0.00041	0.00036	0.00025	0.00032	0.00031	0.00037	0.00042	0.0003	0.00024	0.00022	0.0002
Zinc	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.011	---	---	---
PCB																	
Aroclor 1016	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
Aroclor 1221	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
Aroclor 1232	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
Aroclor 1242	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
Aroclor 1248	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
Aroclor 1254	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
Aroclor 1260	ug/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
1,2-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
1,3-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
1,4-Dichlorobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2,4,5-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2,4,6-Trichlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2,4-Dichlorophenol	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
2,4-Dimethylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2,4-Dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
2,4-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2,6-Dinitrotoluene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/22/2010 10:10 AM	10/22/2010 10:35 AM	10/22/2010 10:35 AM	10/22/2010 1:25 PM	10/23/2010 9:00 AM	10/23/2010 9:40 AM	10/23/2010 9:45 AM	10/23/2010 10:23 AM	10/23/2010 11:00 AM	10/23/2010 11:20 AM	10/23/2010 11:30 AM	10/23/2010 1:45 PM	10/23/2010 2:10 PM	10/25/2010 10:35 AM	10/25/2010 10:55 AM	10/25/2010 11:15 AM
	Sample	WSE102210 10DWS1	WSE102210 35JDF1	WSE102210 35DWS1	WSE102213 25DWS1	WSE102309 00PML1	WSE102309 40JWP1	WSE102309 45PML1	WSE102310 23JWP3	WSE102311 00PML1	WSE102311 20JWP1	WSE102311 30JWP1	WSE102313 45JWP1	WSE102314 10PML1	WSE102510 35JDF1	WSE102510 55JDF1	WSE102511 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2-Chlorophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2-Methyl-4,6-dinitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
2-Methylnaphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
2-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
2-Nitrophenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
3,3'-Dichlorobenzidine	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
3-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
4-Bromophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
4-Chloro-3-methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
4-Chloroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
4-Chlorophenyl phenylether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
4-Methylphenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
4-Nitroaniline	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
4-Nitrophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
Acenaphthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Acenaphthylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Benzo(a)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Benzo(a)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Benzo(b)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Benzo(g,h,i)perylene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Benzo(k)fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Bis(2-chloroethoxy) methane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Bis(2-chloroethyl)ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Bis(2-chloroisopropyl) ether	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Bis(2-ethylhexyl)phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Butyl benzyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Carbazole	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Chrysene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Dibenzo(a,h)anthracene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Dibenzofuran	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Diethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
Dimethyl phthalate	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
Di-n-butyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Di-n-octyl phthalate	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Fluoranthene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Fluorene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Hexachlorobenzene (C-66)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Hexachlorobutadiene (C-46)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Hexachlorocyclopentadiene (C-56)	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
Hexachloroethane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/22/2010 10:10 AM	10/22/2010 10:35 AM	10/22/2010 10:35 AM	10/22/2010 1:25 PM	10/23/2010 9:00 AM	10/23/2010 9:40 AM	10/23/2010 9:45 AM	10/23/2010 10:23 AM	10/23/2010 11:00 AM	10/23/2010 11:20 AM	10/23/2010 11:30 AM	10/23/2010 1:45 PM	10/23/2010 2:10 PM	10/25/2010 10:35 AM	10/25/2010 10:55 AM	10/25/2010 11:15 AM
	Sample	WSE102210 10DWS1	WSE102210 35JDF1	WSE102210 35DWS1	WSE102213 25DWS1	WSE102309 00PML1	WSE102309 40JWP1	WSE102309 45PML1	WSE102310 23JWP3	WSE102311 00PML1	WSE102311 20JWP1	WSE102311 30JWP1	WSE102313 45JWP1	WSE102314 10PML1	WSE102510 35JDF1	WSE102510 55JDF1	WSE102511 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
Nitrobenzene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
n-Nitroso-di-n-propylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
N-Nitrosodiphenylamine	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Pentachlorophenol	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
Phenanthrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
Phenol	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Pyrene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Solids																	
Suspended Solids	mg/l	5.5	5	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	10	< 6	---	---	---
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,1,1,2,2-Tetrachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,1-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,1-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,2,3-Trimethylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,2-Dichloropropane	ug/l	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,3-Dichloropropene, cis	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,3-Dichloropropene, trans	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,4-Dichloro-2-butene, trans	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
1,4-Dichlorobenzene	ug/l	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
2-Butanone (MEK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2-Hexanone	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Acetone	ug/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	---	---	---
Acrylonitrile	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---

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Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/22/2010 10:10 AM	10/22/2010 10:35 AM	10/22/2010 10:35 AM	10/22/2010 1:25 PM	10/23/2010 9:00 AM	10/23/2010 9:40 AM	10/23/2010 9:45 AM	10/23/2010 10:23 AM	10/23/2010 11:00 AM	10/23/2010 11:20 AM	10/23/2010 11:30 AM	10/23/2010 1:45 PM	10/23/2010 2:10 PM	10/25/2010 10:35 AM	10/25/2010 10:55 AM	10/25/2010 11:15 AM
	Sample	WSE102210 10DWS1	WSE102210 35JDF1	WSE102210 35DWS1	WSE102213 25DWS1	WSE102309 00PML1	WSE102309 40JWP1	WSE102309 45PML1	WSE102310 23JWP3	WSE102311 00PML1	WSE102311 20JWP1	WSE102311 30JWP1	WSE102313 45JWP1	WSE102314 10PML1	WSE102510 35JDF1	WSE102510 55JDF1	WSE102511 15JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Bromodichloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Bromoform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Bromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Carbon disulfide	ug/l	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	---	---	---
Carbon tetrachloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Chlorobenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Chloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
cis-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Cyclohexane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Dibromochloropropane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Dibromomethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Dichlorodifluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Diethyl ether	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	---	---	---
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Hexachloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methyl Iodide	ug/l	< 5	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Methylene chloride	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	---	---
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1
sec-Butylbenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	< 1	< 1
Styrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Tetrachloroethylene	ug/l	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Trichloroethylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Trichlorofluoromethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Vinyl acetate	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Vinyl chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	---	---	---
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 3	< 3	< 3

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
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	Date Collected	10/25/2010 1:10 PM	10/25/2010 1:35 PM	10/25/2010 2:00 PM	10/25/2010 2:20 PM	10/25/2010 2:45 PM	10/25/2010 3:00 PM	10/28/2010 9:20 AM	10/28/2010 10:05 AM	10/28/2010 10:45 AM	10/28/2010 11:25 AM	10/28/2010 1:25 PM	10/28/2010 2:10 PM	10/28/2010 2:30 PM	10/29/2010 9:00 AM	10/29/2010 9:30 AM	10/29/2010 10:05 AM
	Sample	WSE102513 10JDF1	WSE102513 35JDF1	WSE102514 00JDF1	WSE102514 20JDF1	WSE102514 45JDF1	WSE102515 00JDF1	WSE102809 20JDF1	WSE102810 05JDF1	WSE102810 45JDF1	WSE102811 25JDF1	WSE102813 25JDF1	WSE102814 10JDF1	WSE102814 30JDF1	WSE102909 00JDF1	WSE102909 30JDF1	WSE102910 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Carbon																	
Total Organic Carbon	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Metals																	
Antimony	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00012	0.000064	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (Total)	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hardness	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron	mg/l	0.36	0.47	0.36	0.39	0.44	0.45	1.3	2	0.62	1.7	1.6	0.37	1.1	0.37	0.39	0.44
Lead	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0013	0.0012	0.0011	0.001	< 0.001	0.001	0.0017	0.0012	0.0011	< 0.001	0.001	0.001	< 0.001	0.0016	0.0011	< 0.001
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0026	0.0028	0.0023	0.0029	0.0028	0.0022	0.0024	0.0017	0.0017	0.0016
Selenium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Titanium	mg/l	0.0018	0.0026	0.002	0.0021	0.0024	0.0025	0.0076	0.0093	0.0036	0.0098	0.0086	0.0024	0.0063	0.0026	0.0025	0.0028
Vanadium	mg/l	0.00044	0.00042	0.00035	0.00035	0.00028	0.00028	0.00094	0.001	0.00048	0.0011	0.00093	0.00035	0.0007	0.00036	0.00034	0.00033
Zinc	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB																	
Aroclor 1016	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1221	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1232	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1242	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1248	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1254	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor 1260	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PNA																	
1,2,4-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
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	Date Collected	10/25/2010 1:10 PM	10/25/2010 1:35 PM	10/25/2010 2:00 PM	10/25/2010 2:20 PM	10/25/2010 2:45 PM	10/25/2010 3:00 PM	10/28/2010 9:20 AM	10/28/2010 10:05 AM	10/28/2010 10:45 AM	10/28/2010 11:25 AM	10/28/2010 1:25 PM	10/28/2010 2:10 PM	10/28/2010 2:30 PM	10/29/2010 9:00 AM	10/29/2010 9:30 AM	10/29/2010 10:05 AM
	Sample	WSE102513 10JDF1	WSE102513 35JDF1	WSE102514 00JDF1	WSE102514 20JDF1	WSE102514 45JDF1	WSE102515 00JDF1	WSE102809 20JDF1	WSE102810 05JDF1	WSE102810 45JDF1	WSE102811 25JDF1	WSE102813 25JDF1	WSE102814 10JDF1	WSE102814 30JDF1	WSE102909 00JDF1	WSE102909 30JDF1	WSE102910 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
2-Chloronaphthalene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methyl-4,6-dinitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenylether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenylether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(g,h,i)perylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy) methane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl) ether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene (C-66)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene (C-46)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene (C-56)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	Date Collected	10/25/2010 1:10 PM	10/25/2010 1:35 PM	10/25/2010 2:00 PM	10/25/2010 2:20 PM	10/25/2010 2:45 PM	10/25/2010 3:00 PM	10/28/2010 9:20 AM	10/28/2010 10:05 AM	10/28/2010 10:45 AM	10/28/2010 11:25 AM	10/28/2010 1:25 PM	10/28/2010 2:10 PM	10/28/2010 2:30 PM	10/29/2010 9:00 AM	10/29/2010 9:30 AM	10/29/2010 10:05 AM
	Sample	WSE102513 10JDF1	WSE102513 35JDF1	WSE102514 00JDF1	WSE102514 20JDF1	WSE102514 45JDF1	WSE102515 00JDF1	WSE102809 20JDF1	WSE102810 05JDF1	WSE102810 45JDF1	WSE102811 25JDF1	WSE102813 25JDF1	WSE102814 10JDF1	WSE102814 30JDF1	WSE102909 00JDF1	WSE102909 30JDF1	WSE102910 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isophorone	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nitrobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
n-Nitroso-di-n-propylamine	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Phenol	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Solids																	
Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Suspended Solids	mg/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,1,1,2-Tetrachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2,2-Tetrachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trichloropropane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloropropane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, cis	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichloropropene, trans	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichloro-2-butene, trans	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Hexanone	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acrylonitrile	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/25/2010 1:10 PM	10/25/2010 1:35 PM	10/25/2010 2:00 PM	10/25/2010 2:20 PM	10/25/2010 2:45 PM	10/25/2010 3:00 PM	10/28/2010 9:20 AM	10/28/2010 10:05 AM	10/28/2010 10:45 AM	10/28/2010 11:25 AM	10/28/2010 1:25 PM	10/28/2010 2:10 PM	10/28/2010 2:30 PM	10/29/2010 9:00 AM	10/29/2010 9:30 AM	10/29/2010 10:05 AM
	Sample	WSE102513 10JDF1	WSE102513 35JDF1	WSE102514 00JDF1	WSE102514 20JDF1	WSE102514 45JDF1	WSE102515 00JDF1	WSE102809 20JDF1	WSE102810 05JDF1	WSE102810 45JDF1	WSE102811 25JDF1	WSE102813 25JDF1	WSE102814 10JDF1	WSE102814 30JDF1	WSE102909 00JDF1	WSE102909 30JDF1	WSE102910 05JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromoform	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon disulfide	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloropropane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromomethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl ether	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylene dibromide	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methyl Iodide	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
m-Xylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.23	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethylene	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	ug/l	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/29/2010 10:40 AM	10/29/2010 11:15 AM	10/29/2010 3:10 PM
	Sample	WSE102910 40JDF1	WSE102911 15JDF1	WSE102915 10JDF1
Analyte	Units	Result	Result	Result
Carbon				
Total Organic Carbon	mg/l	---	---	---
Metals				
Antimony	mg/l	---	---	---
Arsenic	mg/l	---	---	---
Barium	mg/l	---	---	---
Beryllium	mg/l	< 0.001	< 0.001	< 0.001
Cadmium	mg/l	---	---	---
Chromium (Total)	mg/l	---	---	---
Cobalt	mg/l	---	---	---
Copper	mg/l	---	---	---
Hardness	mg/l	---	---	---
Iron	mg/l	0.39	0.41	0.59
Lead	mg/l	---	---	---
Manganese	mg/l	---	---	---
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.001	< 0.001	< 0.001
Nickel	mg/l	0.0016	0.0016	0.0018
Selenium	mg/l	---	---	---
Silver	mg/l	---	---	---
Thallium	mg/l	---	---	---
Titanium	mg/l	0.0024	0.0024	0.0037
Vanadium	mg/l	0.0004	0.00033	0.00037
Zinc	mg/l	---	---	---
PCB				
Aroclor 1016	ug/l	---	---	---
Aroclor 1221	ug/l	---	---	---
Aroclor 1232	ug/l	---	---	---
Aroclor 1242	ug/l	---	---	---
Aroclor 1248	ug/l	---	---	---
Aroclor 1254	ug/l	---	---	---
Aroclor 1260	ug/l	---	---	---
PNA				
1,2,4-Trichlorobenzene	ug/l	---	---	---
1,2-Dichlorobenzene	ug/l	---	---	---
1,3-Dichlorobenzene	ug/l	---	---	---
1,4-Dichlorobenzene	ug/l	---	---	---
2,4,5-Trichlorophenol	ug/l	---	---	---
2,4,6-Trichlorophenol	ug/l	---	---	---
2,4-Dichlorophenol	ug/l	---	---	---
2,4-Dimethylphenol	ug/l	---	---	---
2,4-Dinitrophenol	ug/l	---	---	---
2,4-Dinitrotoluene	ug/l	---	---	---
2,6-Dinitrotoluene	ug/l	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/29/2010 10:40 AM	10/29/2010 11:15 AM	10/29/2010 3:10 PM
	Sample	WSE102910 40JDF1	WSE102911 15JDF1	WSE102915 10JDF1
Analyte	Units	Result	Result	Result
2-Chloronaphthalene	ug/l	---	---	---
2-Chlorophenol	ug/l	---	---	---
2-Methyl-4,6-dinitrophenol	ug/l	---	---	---
2-Methylnaphthalene	ug/l	< 1	< 1	< 1
2-Methylphenol	ug/l	---	---	---
2-Nitroaniline	ug/l	---	---	---
2-Nitrophenol	ug/l	---	---	---
3,3'-Dichlorobenzidine	ug/l	---	---	---
3-Nitroaniline	ug/l	---	---	---
4-Bromophenyl phenylether	ug/l	---	---	---
4-Chloro-3-methylphenol	ug/l	---	---	---
4-Chloroaniline	ug/l	---	---	---
4-Chlorophenyl phenylether	ug/l	---	---	---
4-Methylphenol	ug/l	---	---	---
4-Nitroaniline	ug/l	---	---	---
4-Nitrophenol	ug/l	---	---	---
Acenaphthene	ug/l	---	---	---
Acenaphthylene	ug/l	---	---	---
Anthracene	ug/l	---	---	---
Benzo(a)anthracene	ug/l	---	---	---
Benzo(a)pyrene	ug/l	---	---	---
Benzo(b)fluoranthene	ug/l	---	---	---
Benzo(g,h,i)perylene	ug/l	---	---	---
Benzo(k)fluoranthene	ug/l	---	---	---
Bis(2-chloroethoxy) methane	ug/l	---	---	---
Bis(2-chloroethyl)ether	ug/l	---	---	---
Bis(2-chloroisopropyl) ether	ug/l	---	---	---
Bis(2-ethylhexyl)phthalate	ug/l	---	---	---
Butyl benzyl phthalate	ug/l	---	---	---
Carbazole	ug/l	---	---	---
Chrysene	ug/l	---	---	---
Dibenzo(a,h)anthracene	ug/l	---	---	---
Dibenzofuran	ug/l	---	---	---
Diethyl phthalate	ug/l	---	---	---
Dimethyl phthalate	ug/l	---	---	---
Di-n-butyl phthalate	ug/l	---	---	---
Di-n-octyl phthalate	ug/l	---	---	---
Fluoranthene	ug/l	---	---	---
Fluorene	ug/l	---	---	---
Hexachlorobenzene (C-66)	ug/l	---	---	---
Hexachlorobutadiene (C-46)	ug/l	---	---	---
Hexachlorocyclopentadiene (C-56)	ug/l	---	---	---
Hexachloroethane	ug/l	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/29/2010 10:40 AM	10/29/2010 11:15 AM	10/29/2010 3:10 PM
	Sample	WSE102910 40JDF1	WSE102911 15JDF1	WSE102915 10JDF1
Analyte	Units	Result	Result	Result
Isophorone	ug/l	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1
Nitrobenzene	ug/l	---	---	---
n-Nitroso-di-n-propylamine	ug/l	---	---	---
N-Nitrosodiphenylamine	ug/l	---	---	---
Pentachlorophenol	ug/l	---	---	---
Phenanthrene	ug/l	< 2	< 2	< 2
Phenol	ug/l	---	---	---
Pyrene	ug/l	---	---	---
Solids				
Suspended Solids	mg/l	---	---	---
Total Suspended Solids	mg/l	---	---	---
TPH				
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1
VOC				
1,1,1,2-Tetrachloroethane	ug/l	---	---	---
1,1,1-Trichloroethane	ug/l	---	---	---
1,1,2,2-Tetrachloroethane	ug/l	---	---	---
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/l	---	---	---
1,1,2-Trichloroethane	ug/l	---	---	---
1,1-Dichloroethane	ug/l	---	---	---
1,1-Dichloroethylene	ug/l	---	---	---
1,2,3-Trichlorobenzene	ug/l	---	---	---
1,2,3-Trichloropropane	ug/l	---	---	---
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	---	---	---
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	---	---	---
1,2-Dichloroethane	ug/l	---	---	---
1,2-Dichloropropane	ug/l	---	---	---
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	---	---	---
1,3-Dichloropropene, cis	ug/l	---	---	---
1,3-Dichloropropene, trans	ug/l	---	---	---
1,4-Dichloro-2-butene, trans	ug/l	---	---	---
1,4-Dichlorobenzene	ug/l	---	---	---
2-Butanone (MEK)	ug/l	---	---	---
2-Hexanone	ug/l	---	---	---
2-Methylnaphthalene	ug/l	< 1	< 1	< 1
4-Methyl-2-pentanone (MIBK)	ug/l	---	---	---
Acetone	ug/l	---	---	---
Acrylonitrile	ug/l	---	---	---

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	10/29/2010 10:40 AM	10/29/2010 11:15 AM	10/29/2010 3:10 PM
	Sample	WSE102910 40JDF1	WSE102911 15JDF1	WSE102915 10JDF1
Analyte	Units	Result	Result	Result
Benzene	ug/l	< 1	< 1	< 1
Bromochloromethane	ug/l	---	---	---
Bromodichloromethane	ug/l	---	---	---
Bromoform	ug/l	---	---	---
Bromomethane	ug/l	---	---	---
Carbon disulfide	ug/l	---	---	---
Carbon tetrachloride	ug/l	---	---	---
Chlorobenzene	ug/l	---	---	---
Chloroethane	ug/l	---	---	---
Chloroform	ug/l	---	---	---
Chloromethane	ug/l	---	---	---
cis-1,2-Dichloroethylene	ug/l	---	---	---
Cyclohexane	ug/l	< 1	< 1	< 1
Dibromochloromethane	ug/l	---	---	---
Dibromochloropropane	ug/l	---	---	---
Dibromomethane	ug/l	---	---	---
Dichlorodifluoromethane	ug/l	---	---	---
Diethyl ether	ug/l	---	---	---
Ethylbenzene	ug/l	< 1	< 1	< 1
Ethylene dibromide	ug/l	---	---	---
Hexachloroethane	ug/l	---	---	---
Isopropyl benzene	ug/l	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	0.35
Methyl Iodide	ug/l	---	---	---
Methylene chloride	ug/l	---	---	---
Methyl-tert-butyl ether (MTBE)	ug/l	---	---	---
m-Xylene	ug/l	---	---	---
Naphthalene	ug/l	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1
Styrene	ug/l	---	---	---
Tetrachloroethylene	ug/l	---	---	---
Toluene	ug/l	< 1	< 1	0.78
trans-1,2-Dichloroethylene	ug/l	---	---	---
Trichloroethylene	ug/l	---	---	---
Trichlorofluoromethane	ug/l	---	---	---
Vinyl acetate	ug/l	---	---	---
Vinyl chloride	ug/l	---	---	---
Xylenes	ug/l	< 3	< 3	< 3

Table 4-c. Morrow Lake Surface Water Analytical Results October 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	11/2/2010 1:15 PM	11/2/2010 1:45 PM	11/3/2010 2:35 PM	11/9/2010 2:12 PM	11/9/2010 2:45 PM	11/10/2010 2:15 PM	11/17/2010 1:00 PM	11/17/2010 1:35 PM	11/22/2010 11:15 AM	11/22/2010 3:15 PM	11/22/2010 3:45 PM	11/30/2010 9:20 AM	11/30/2010 9:45 AM
	Sample						WSE110213 15JDF1	WSE110213 45JDF1	WSE110314 35JDF1	WSE110914 12DWS1	WSE110914 45DWS1	WSE111014 15DWS1	WSE111713 00JDF1	WSE111713 35JDF1	WSE112211 15PMB1	WSE112215 15JDF1	WSE112215 45JDF1	WSE113009 20JDF1	WSE113009 45JDF1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																			
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00073	< 0.001	< 0.001	< 0.001
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.24	0.24	0.22	0.34	0.29	0.29	0.23	0.23	0.28	0.46	0.53	0.28	0.31
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00097	< 0.001	< 0.001	0.0013	0.0017	< 0.001	< 0.001	0.00083
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.0015	0.0015	0.0015	0.00062	0.0005	< 0.005	0.0008	0.0006	0.00014	< 0.005	< 0.005	0.00064	< 0.005
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.0014	0.0014	0.0014	0.0021	0.0016	0.0017	0.00065	0.00076	0.0011	0.0023	0.0024	0.0013	0.002
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	< 0.004	< 0.004	0.00015	0.00051	0.00044	< 0.004	< 0.004	< 0.004	0.00036	0.00095	0.00034	< 0.004	0.00019
PNA																			
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																			
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																			
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.2	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/1/2010 9:25 AM	11/1/2010 10:00 AM	11/1/2010 10:45 AM	11/1/2010 10:45 AM	11/1/2010 12:05 PM	11/1/2010 1:40 PM	11/1/2010 2:10 PM	11/1/2010 2:45 PM	11/1/2010 3:22 PM	11/2/2010 9:45 AM	11/2/2010 11:15 AM	11/2/2010 11:15 AM	11/2/2010 2:22 PM	11/2/2010 2:50 PM	11/2/2010 3:20 PM	11/2/2010 3:45 PM
	Sample	WSE110109 25JDF1	WSE110110 00JDF1	WSE110110 45JDF1	WSE110110 45JDF2	WSE110112 05JDF1	WSE110113 40JDF1	WSE110114 10JDF1	WSE110114 45JDF1	WSE110115 22JDF1	WSE110209 45JDF1	WSE110211 15JDF1	WSE110211 15JDF2	WSE110214 22JDF1	WSE110214 50JDF1	WSE110215 20JDF1	WSE110215 45JDF1
Analyte	Units	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000071	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000067	< 0.001
Iron	mg/l	0.23	0.44	0.23	0.22	0.46	0.21	0.23	0.2	0.21	0.25	0.24	0.24	0.26	0.22	0.24	0.27
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0019	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0019	0.001
Nickel	mg/l	0.0014	0.0016	0.0017	0.0015	0.0016	0.0015	0.0015	0.0015	0.0015	0.0017	0.0015	0.0014	0.0024	0.0016	0.0018	0.0019
Titanium	mg/l	0.0012	0.0022	0.0012	0.0011	0.0031	0.001	0.0011	0.001	0.0012	0.0014	0.0014	0.0014	0.0018	0.0013	0.0014	0.0016
Vanadium	mg/l	0.00021	0.00021	0.00021	0.00013	0.00032	0.00013	< 0.004	0.00012	0.00022	0.00014	< 0.004	0.00017	0.00026	< 0.004	0.00012	0.00022
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	0.29	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	0.45	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	0.2	< 1	< 1	1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/3/2010 9:35 AM	11/3/2010 10:10 AM	11/3/2010 10:45 AM	11/3/2010 10:45 AM	11/3/2010 11:25 AM	11/8/2010 9:35 AM	11/8/2010 10:15 AM	11/8/2010 10:15 AM	11/8/2010 10:55 AM	11/8/2010 1:08 PM	11/8/2010 1:50 PM	11/8/2010 2:20 PM	11/8/2010 3:00 PM	11/9/2010 9:30 AM	11/9/2010 10:06 AM	11/9/2010 10:06 AM
	Sample	WSE110309 35JDF1	WSE110310 10JDF3	WSE110310 45JDF1	WSE110310 45JDF2	WSE110311 25JDF1	WSE110809 35DWS1	WSE110810 15DWS1	WSE110810 15DWS2	WSE110810 55DWS1	WSE110813 08DWS1	WSE110813 50DWS1	WSE110814 20DWS1	WSE110815 00DWS1	WSE110909 30DWS1	WSE110910 06DWS1	WSE110910 06DWS2
Analyte	Units	Result	Result	Result	Duplicate	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Duplicate
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	0.00011	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.2	0.21	0.25	0.24	0.25	0.5	0.38	0.22	0.21	0.21	0.24	0.18	0.21	0.21	0.25	0.23
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.001	< 0.001	0.0021	0.0011	0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001	0.0025	0.0011	0.0011	< 0.001	< 0.001	0.0014
Nickel	mg/l	0.0017	0.0015	0.0016	0.0016	0.0017	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00043	0.00031	0.00039	0.00099	0.00062	0.00045
Titanium	mg/l	0.0012	0.0013	0.0014	0.0015	0.0015	0.0041	0.0012	0.0013	0.0011	0.0012	0.0014	0.00098	0.0011	0.0014	0.0012	0.0012
Vanadium	mg/l	0.00014	0.00022	0.00019	0.00027	0.00012	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.00029	0.00019	0.00032	0.0004	0.00045	0.00048
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	0.35	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	0.55	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	0.19	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	1.6	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	0.45	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	1.9	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	0.41	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	0.75	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	3.7	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	2.6	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/9/2010 10:47 AM	11/9/2010 11:20 AM	11/9/2010 1:30 PM	11/9/2010 3:25 PM	11/9/2010 4:05 PM	11/10/2010 10:00 AM	11/10/2010 10:35 AM	11/10/2010 11:20 AM	11/10/2010 11:47 AM	11/10/2010 11:47 AM	11/17/2010 9:15 AM	11/17/2010 9:40 AM	11/17/2010 10:10 AM	11/17/2010 10:10 AM	11/17/2010 10:40 AM	11/17/2010 11:10 AM
	Sample	WSE110910 47DWS1	WSE110911 20DWS1	WSE110913 30DWS1	WSE110915 25DWS1	WSE110916 05DWS1	WSE111010 00DWS1	WSE111010 35DWS3	WSE111011 20DWS1	WSE111011 47DWS1	WSE111011 47DWS2	WSE111709 15JDF1	WSE111709 40JDF1	WSE111710 10JDF1	WSE111710 10JDF2	WSE111710 40JDF1	WSE111711 10JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Duplicate	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00014	< 0.001	0.00006	< 0.001	< 0.001	0.000054	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.23	0.2	0.2	0.27	0.35	0.37	0.31	0.31	0.3	0.32	0.21	0.2	0.22	0.22	0.21	0.21
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0012	0.0011	< 0.001	0.001	< 0.001	0.0011	0.00096	0.002	0.0011	0.0013	0.0025	0.0012	0.0026	0.0011	< 0.001	< 0.001
Nickel	mg/l	0.00051	0.00058	0.00055	0.00051	0.0005	0.0025	0.0021	0.0011	< 0.005	0.00021	0.00048	0.00067	0.00062	0.00054	0.00069	0.00064
Titanium	mg/l	0.0012	0.0012	0.0011	0.0015	0.0012	0.0022	0.002	0.002	0.0017	0.0018	0.00054	0.00059	0.0006	0.001	0.00064	0.00065
Vanadium	mg/l	0.00058	0.00052	0.0005	0.00041	0.0004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.00018	0.00013	0.00016	0.00012	0.00016	< 0.004
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/17/2010 11:35 AM	11/17/2010 1:55 PM	11/17/2010 2:25 PM	11/17/2010 2:55 PM	11/17/2010 3:20 PM	11/17/2010 3:45 PM	11/18/2010 9:40 AM	11/18/2010 10:40 AM	11/18/2010 1:05 PM	11/18/2010 2:00 PM	11/18/2010 2:20 PM	11/18/2010 2:40 PM	11/18/2010 3:00 PM	11/22/2010 9:35 AM	11/22/2010 10:05 AM	11/22/2010 10:30 AM
	Sample	WSE111711 35JDF1	WSE111713 55JDF1	WSE111714 25JDF1	WSE111714 55JDF1	WSE111715 20JDF1	WSE111715 45JDF1	WSE111809 40JDF1	WSE111810 40JDF3	WSE111813 05JDF1	WSE111814 00JDF1	WSE111814 20JDF1	WSE111814 40JDF1	WSE111815 00JDF1	WSE112209 35JDF1	WSE112210 05JDF1	WSE112210 30JDF1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.38	0.18	0.53	0.18	0.2	0.21	0.25	0.22	0.2	0.29	0.2	0.2	0.2	0.31	0.35	0.32
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.001	0.037	0.0062	0.003	0.002	0.0016	0.0011	0.001	0.0016	0.001	0.001	< 0.001	< 0.001	0.0011	< 0.001	< 0.001
Nickel	mg/l	0.00067	0.00027	0.00044	0.0002	0.00043	0.0004	0.00025	0.00023	0.00021	0.00029	0.00018	0.00028	0.00015	< 0.005	< 0.005	< 0.005
Titanium	mg/l	0.0019	0.001	0.003	< 0.001	< 0.001	< 0.001	0.0012	0.001	< 0.001	0.0014	< 0.001	0.0011	< 0.001	0.0013	0.0015	0.0014
Vanadium	mg/l	< 0.004	< 0.004	0.00023	< 0.004	< 0.004	< 0.004	< 0.004	0.00012	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.00027	0.00021	0.00024
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	0.22	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	0.28	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	0.22	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	0.76	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	0.28	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	1.4	< 1	0.53	< 1	0.23	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	1	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/22/2010 10:55 AM	11/22/2010 11:25 AM	11/22/2010 1:00 PM	11/22/2010 1:30 PM	11/22/2010 1:30 PM	11/22/2010 2:40 PM	11/22/2010 4:15 PM	11/23/2010 9:40 AM	11/23/2010 10:05 AM	11/23/2010 10:30 AM	11/23/2010 10:30 AM	11/23/2010 10:55 AM	11/23/2010 11:20 AM	11/23/2010 11:50 AM	11/23/2010 12:25 PM	11/23/2010 12:50 PM
	Sample	WSE112210 55JDF1	WSE112211 25JDF1	WSE112213 00JDF1	WSE112213 30JDF1	WSE112213 30JDF2	WSE112214 40JDF1	WSE112216 15JDF1	WSE112309 40JDF1	WSE112310 05JDF1	WSE112310 30JDF1	WSE112310 30JDF2	WSE112310 55JDF1	WSE112311 20JDF1	WSE112311 50JDF1	WSE112312 25JDF1	WSE112312 50JDF1
Analyte	Units	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.39	0.35	0.3	0.36	0.37	0.35	0.3	0.32	0.31	0.26	0.26	0.63	0.52	0.37	0.36	0.4
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.0009	0.00076	0.00079	0.00077	0.00082	0.00096	0.00096	0.00086	0.00085
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.00023	0.00027	0.00014	0.00025	0.00035	0.00027	0.0002	0.00028	0.00055
Titanium	mg/l	0.0016	0.0013	0.0015	0.0016	0.0016	0.0017	0.0011	0.0013	0.0016	0.001	0.0011	0.0029	0.0025	0.0018	0.0017	0.0019
Vanadium	mg/l	0.00013	0.00016	0.00032	0.00018	0.00015	0.00024	0.00031	0.00026	0.00028	0.00028	0.00028	0.0005	0.00032	0.0003	0.00041	0.00033
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.41	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/23/2010 1:20 PM	11/29/2010 9:35 AM	11/29/2010 10:25 AM	11/29/2010 11:10 AM	11/29/2010 11:10 AM	11/29/2010 1:55 PM	11/29/2010 2:20 PM	11/29/2010 2:50 PM	11/29/2010 3:20 PM	11/29/2010 3:50 PM	11/30/2010 8:45 AM	11/30/2010 10:20 AM	11/30/2010 10:20 AM	11/30/2010 10:45 AM	11/30/2010 11:10 AM	11/30/2010 11:40 AM
	Sample	WSE112313 20JDF1	WSE112909 35JDF1	WSE112910 25JDF1	WSE112911 10JDF1	WSE112911 10JDF2	WSE112913 55JDF1	WSE112914 20JDF1	WSE112914 50JDF1	WSE112915 20JDF1	WSE112915 50JDF1	WSE113008 45JDF1	WSE113010 20JDF1	WSE113010 20JDF2	WSE113010 45JDF1	WSE113011 10JDF1	WSE113011 40JDF1
Analyte	Units	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000055	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.36	0.22	0.24	0.26	0.26	0.22	0.23	0.23	0.24	0.25	0.34	0.3	0.3	0.28	0.27	0.42
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0008	0.00072	0.00086	0.00081	0.00088	0.00078	0.00088	0.00087	0.0012	0.0015	< 0.001	0.00086	0.00078	0.00096	0.00085	0.00089
Nickel	mg/l	0.00014	0.00057	0.00056	0.00064	0.00048	0.00064	0.00058	0.00048	0.00047	0.00048	0.00064	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/l	0.0018	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.0011	< 0.001	< 0.001	< 0.001	0.0011	0.0018	0.0015	0.0014	0.0013	0.0012
Vanadium	mg/l	0.00037	< 0.004	< 0.004	< 0.004	0.00016	< 0.004	< 0.004	< 0.004	0.00018	0.00013	0.00018	0.00016	< 0.004	0.00012	0.00014	0.00023
PNA																	
2-Methylnaphthalene	ug/l	< 1	1.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	0.88	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.39	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.22	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.76	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.29	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.2	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	1	< 3	< 3	< 3	< 3	< 3

Table 4-d Morrow Lake Surface Water Analytical Results November 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	11/30/2010 1:45 PM	11/30/2010 2:15 PM	11/30/2010 2:45 PM	11/30/2010 3:15 PM	11/30/2010 3:45 PM
	Sample	WSE113013 45JDF1	WSE113014 15JDF1	WSE113014 45JDF1	WSE113015 15JDF1	WSE113015 45JDF3
Analyte	Units	Result	Result	Result	Result	Result
Metals						
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.35	0.28	0.27	0.27	0.27
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.00079	0.00083	0.00083	0.00081	0.00082
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/l	0.0018	0.0013	0.0012	0.0012	0.0013
Vanadium	mg/l	0.00018	< 0.004	0.00016	< 0.004	0.00014
PNA						
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1
TPH						
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC						
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 3	< 3	< 3	< 3	< 3

Table 4-d. Morrow Lake Surface Water Analytical Results November 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-e. Morrow Lake Surface Water Analytical Results December 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	12/1/2010 10:15 AM	12/7/2010 10:35 AM	12/7/2010 10:35 AM	12/15/2010 12:00 PM	12/20/2010 1:35 PM	12/6/2010 9:45 AM	12/6/2010 10:15 AM	12/6/2010 10:45 AM	12/6/2010 11:15 AM	12/6/2010 11:45 AM	12/6/2010 1:50 PM	12/6/2010 1:50 PM	12/6/2010 2:20 PM
	Sample						WSE120110 15JDF1	WSE120710 35JDF1	WSE120710 35JDF2	WSE121512 00JDF1	WSE122013 35JDF1	WSE120609 45JDF1	WSE120610 15JDF1	WSE120610 45JDF1	WSE120611 15JDF1	WSE120611 45JDF1	WSE120613 50JDF1	WSE120613 50JDF2	WSE120614 20JDF1
	Units						Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result
Metals																			
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.27	0.26	0.26	0.23	0.24	0.25	0.22	0.24	0.85	0.32	0.25	0.25	0.24
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	0.00077	< 0.001	< 0.001	< 0.001	0.0015	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.00053	0.00046	0.0005	< 0.005	< 0.005	0.00055	0.00042	0.00037	0.0037	0.00049	0.00036	0.00061	0.0005
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.0013	0.0014	0.0011	0.0013	0.0012	0.0011	0.001	0.0011	0.0043	0.0015	0.0011	0.001	0.0011
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	0.00022	< 0.004	< 0.004	0.00014	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
PNA																			
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																			
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																			
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3

Table 4-e. Morrow Lake Surface Water Analytical Results December 2010
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	12/6/2010 2:50 PM	12/6/2010 3:20 PM	12/6/2010 3:50 PM	12/7/2010 8:55 AM	12/7/2010 9:50 AM
	Sample	WSE120614 50JDF1	WSE120615 20JDF1	WSE120615 50JDF1	WSE120708 55JDF1	WSE120709 50JDF1
Analyte	Units	Result	Result	Result	Result	Result
Metals						
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	0.000079	< 0.001
Iron	mg/l	0.32	0.25	0.25	0.39	0.27
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	< 0.001	< 0.001	< 0.001	0.0018	0.001
Nickel	mg/l	0.00049	0.00049	0.00044	0.00067	0.0004
Titanium	mg/l	0.0014	0.0011	0.0011	0.0022	0.0011
Vanadium	mg/l	< 0.004	< 0.004	< 0.004	0.00021	< 0.004
PNA						
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1
TPH						
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC						
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
Benzene	ug/l	< 1	< 1	< 1	0.68	< 1
Cyclohexane	ug/l	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	ug/l	< 1	< 1	< 1	0.41	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 1	< 1	< 1	1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	0.32	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1
Toluene	ug/l	< 1	< 1	< 1	1.5	< 1
Xylenes	ug/l	< 3	< 3	< 3	1.4	< 3

Table 4-e. Morrow Lake Surface Water Analytical Results December 2010
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-f. Morrow Lake Surface Water Analytical Results January 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	1/3/2011 10:45 AM	1/10/2011 11:00 AM	1/18/2011 9:15 AM	1/24/2011 10:35 AM	1/31/2011 10:35 AM
	Sample						WSE010310 45JDF1	WSE011011 00RTV1	WSE011809 15RTV1	WSE012410 35RTV1	WSE013110 35RTV1
Analyte	Units						Result	Result	Result	Result	Result
Metals											
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	NCE	NCE	NCE	NCE		0.3	0.26	0.21	0.25	0.17
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	< 0.001	0.00098	< 0.001	0.0012	0.00078
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.00017	0.0005	0.00056	0.00044	< 0.005
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.0023	0.001	0.0014	0.001	< 0.001
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	< 0.004	0.00014	< 0.004	< 0.004	< 0.004
PNA											
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1
TPH											
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC											
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 10	< 10	< 10
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 5	< 5	< 5
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 2	< 2	< 2
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 2	< 2	< 2
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 3	< 3	< 2	< 2	< 2

Table 4-f. Morrow Lake Surface Water Analytical Results January 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-g. Morrow Lake Surface Water Analytical Results February 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	2/7/2011 10:00 AM	2/7/2011 10:00 AM	2/16/2011 9:45 AM	2/16/2011 9:45 AM	2/22/2011 11:25 AM	2/24/2011 11:15 AM	2/24/2011 11:15 AM
	Sample						WSE020710 00RTV1	WSE020710 00RTV2	WSE021609 45RTV1	WSE021609 45RTV2	WSE022211 25PDS1	WSE022811 15JDF1	WSE022811 15JDF2
	Units						Result	Duplicate	Result	Duplicate	Result	Result	Duplicate
Metals													
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.19	0.2	0.21	0.22	0.47	0.27	0.26
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	0.00099	0.00094	0.00048	0.00046	< 0.001	0.00095	0.0009
Nickel	mg/l	NCE	NCE	NCE	NCE	210	< 0.005	< 0.005	0.00054	0.00038	0.00057	0.00073	0.00048
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.00083	0.00086	0.001	0.0011	0.0021	0.0014	0.0015
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	< 0.004	< 0.004	< 0.004	< 0.004	0.00034	0.00026	0.00028
PNA													
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH													
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC													
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-g. Morrow Lake Surface Water Analytical Results February 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-h. Morrow Lake Surface Water Analytical Results March 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	3/8/2011 10:55 AM	3/14/2011 10:20 AM	3/22/2011 11:20 AM	3/28/2011 10:05 AM	3/29/2011 2:35 PM	3/29/2011 3:20 PM	3/28/2011 11:45 AM	3/28/2011 1:50 PM	3/28/2011 2:30 PM	3/28/2011 2:30 PM	3/28/2011 3:20 PM	3/29/2011 9:50 AM	3/29/2011 10:30 AM
	Sample						WSE030810 55TDF1	WSE031410 20JDF1	WSE032211 20RTV1	WSE032810 05RTV1	WSE032914 35PMB1	WSE032915 20PMB3	WSE032811 45PMB1	WSE032813 50PMB1	WSE032814 30PMB1	WSE032814 30PMB2	WSE032815 20PMB1	WSE032909 50PMB1	WSE032910 30PMB1
Analyte	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Metals																			
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	0.000049	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.41	0.48	0.44	0.38	0.34	0.35	0.38	0.37	0.38	0.39	0.42	0.39	0.38
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	0.0013	0.0013	0.0012	0.0011	0.0014	0.0011	0.0012	0.0011	0.001	0.0011	0.0011	0.001	0.0011
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.00055	< 0.005	0.00028	0.00044	0.00054	0.00059	0.00058	0.00048	0.00036	0.00044	0.00063	0.00081	0.0011
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.0028	0.006	0.0025	0.0036	0.0034	0.0033	0.004	0.003	0.0033	0.0032	0.0034	0.0048	0.0048
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	0.00034	0.0018	0.00055	0.00033	0.00029	< 0.004	0.00043	0.00038	0.00031	0.00026	0.00028	0.00037	0.00024
PNA																			
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																			
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																			
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.26	0.14
Xylenes	ug/l	370	730	41	NCE	16000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-h. Morrow Lake Surface Water Analytical Results March 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	3/29/2011 11:00 AM	3/29/2011 12:30 PM	3/29/2011 1:15 PM	3/29/2011 1:15 PM	3/29/2011 2:00 PM	3/30/2011 9:00 AM	3/30/2011 11:10 AM	3/30/2011 11:55 AM	3/30/2011 1:45 PM	3/30/2011 2:30 PM	3/30/2011 2:30 PM	3/30/2011 3:10 PM	3/31/2011 9:45 AM	3/31/2011 10:45 AM	3/31/2011 10:45 AM
	Sample	WSE032911 00PMB1	WSE032912 30PMB1	WSE032913 15PMB1	WSE032913 15PMB2	WSE032914 00PMB1	WSE033009 00PMB1	WSE033011 10PMB1	WSE033011 55PMB1	WSE033013 45PMB1	WSE033014 30PMB1	WSE033014 30PMB2	WSE033015 10PMB1	WSE033109 45PMB1	WSE033110 45PMB1	WSE033110 45PMB2
Analyte	Units	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Duplicate
Metals																
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.39	0.33	0.38	0.38	0.43	0.53	0.46	0.3	0.29	0.29	0.28	0.3	0.38	0.39	0.37
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0011	0.00099	0.0011	0.001	0.0011	0.001	0.001	0.0009	0.0012	0.0011	0.00096	0.0011	0.0013	0.0012	0.0031
Nickel	mg/l	0.00081	0.00058	0.0011	0.0038	0.00077	0.00056	0.00094	0.00043	0.0005	0.00051	0.00038	0.00042	< 0.005	< 0.005	< 0.005
Titanium	mg/l	0.0051	0.0034	0.0037	0.0032	0.0034	0.0031	0.0029	0.002	0.0024	0.0022	0.0025	0.0024	0.0023	0.0036	0.0026
Vanadium	mg/l	0.0003	0.0002	0.00025	0.00015	0.00022	0.00036	0.00036	0.0002	0.00032	0.00027	0.00032	0.00043	0.00023	0.00019	0.00039
PNA																
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.048	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	1.8	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	0.15	< 1	< 1	< 1	< 1	0.3	0.6	< 1	< 1	< 1	< 1	< 1	0.37	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	1.8	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

Analyte	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	4/4/2011 10:30 AM	4/6/2011 10:25 AM	4/6/2011 10:55 AM	4/11/2011 10:15 AM	4/14/2011 3:35 PM	4/14/2011 3:50 PM	4/18/2011 10:20 AM	4/19/2011 10:45 AM	4/19/2011 12:45 PM	4/26/2011 10:20 AM	4/29/2011 10:55 AM	4/29/2011 11:10 AM	4/5/2011 9:25 AM
	Sample						WSE040410 30RTV1	WSE040610 25PMB1	WSE040610 55PMB1	WSE041110 15PMB1	WSE041415 35PMB1	WSE041415 50PMB1	WSE041810 20RTV1	WSE041910 45PMB1	WSE041912 45PMB1	WSE042610 20PMB1	WSE042910 55PMB1	WSE042911 10PMB1	WSE040509 25PMB1
	Units						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																			
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000058	0.000047	< 0.001	0.00011
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.46	0.38	0.36	0.44	0.51	0.65	0.52	0.76	0.56	0.55	0.7	0.83	0.48
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	0.0012	0.00061	0.00064	0.001	0.0012	0.0013	0.0011	0.0014	0.0012	0.0025	0.0017	0.0013	0.0021
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.00069	0.00044	0.0005	< 0.005	0.0012	0.00085	0.00083	0.00086	0.00053	< 0.005	0.001	0.0012	0.0007
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.0025	0.0018	0.0018	0.0022	0.0035	0.006	0.0028	0.0047	0.0032	0.0056	0.0039	0.005	0.0019
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	0.0003	0.00017	0.00022	0.00024	0.00053	0.00051	0.00041	0.00052	0.00039	0.00062	0.00034	0.00048	0.00033
PNA																			
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																			
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.11	< 0.1
VOC																			
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	4/5/2011 10:10 AM	4/5/2011 10:40 AM	4/5/2011 11:10 AM	4/5/2011 1:00 PM	4/6/2011 9:45 AM	4/6/2011 11:25 AM	4/6/2011 1:30 PM	4/6/2011 2:00 PM	4/6/2011 2:30 PM	4/6/2011 3:00 PM	4/7/2011 11:15 AM	4/7/2011 11:55 AM	4/7/2011 12:25 PM	4/7/2011 12:55 PM	4/7/2011 1:20 PM	4/7/2011 1:40 PM
	Sample	WSE040510 10PMB1	WSE040510 40PMB1	WSE040511 10PMB1	WSE040513 00PMB1	WSE040609 45PMB1	WSE040611 25PMB1	WSE040613 30PMB1	WSE040614 00PMB1	WSE040614 30PMB1	WSE040615 00PMB1	WSE040711 15PMB3	WSE040711 55PMB1	WSE040712 25PMB1	WSE040712 55PMB1	WSE040713 20PMB1	WSE040713 40PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	0.000049	< 0.001	0.000039	0.000034	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.64	0.65	2.8	0.85	0.39	0.37	0.41	0.38	0.42	0.49	0.39	0.36	0.33	0.37	0.34	0.35
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0014	0.0012	0.0012	0.0013	0.00062	0.00059	0.00067	0.00076	0.00088	0.00091	0.0014	0.0012	0.0013	0.001	0.0011	0.0022
Nickel	mg/l	0.00089	0.00084	0.0019	0.00099	0.00034	0.00048	0.00059	0.00041	0.00042	0.00042	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/l	0.0027	0.0029	0.014	0.0046	0.0023	0.0018	0.0021	0.002	0.0024	0.0025	0.0019	0.0022	0.0015	0.0021	0.0017	0.0016
Vanadium	mg/l	0.00029	0.00037	0.0013	0.00047	< 0.004	< 0.004	0.00022	0.00017	0.00037	0.00023	< 0.004	0.00019	< 0.004	0.00016	< 0.004	0.00016
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	4/7/2011 1:55 PM	4/14/2011 9:20 AM	4/14/2011 9:55 AM	4/14/2011 10:20 AM	4/14/2011 11:15 AM	4/14/2011 11:15 AM	4/14/2011 11:35 AM	4/14/2011 11:50 AM	4/14/2011 1:35 PM	4/14/2011 1:55 PM	4/14/2011 2:10 PM	4/14/2011 2:25 PM	4/14/2011 2:50 PM	4/14/2011 3:15 PM	4/15/2011 8:45 AM	4/15/2011 9:00 AM
	Sample	WSE040713 55PMB1	WSE041409 20PMB1	WSE041409 55PMB1	WSE041410 20PMB1	WSE041411 15PMB3	WSE041411 15PMB1	WSE041411 35PMB1	WSE041411 50PMB1	WSE041413 35PMB1	WSE041413 55PMB1	WSE041414 10PMB1	WSE041414 25PMB1	WSE041414 50PMB1	WSE041415 15PMB1	WSE041508 45PMB1	WSE041509 00PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	---	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.37	0.73	0.66	0.39	---	0.46	0.45	0.43	0.65	0.53	0.57	0.53	0.63	0.59	0.53	0.43
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	---	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0011	0.0015	0.0014	0.0013	---	0.0014	0.0014	0.0013	0.0013	0.0014	0.0014	0.0013	0.0012	0.0013	0.0011	0.0017
Nickel	mg/l	< 0.005	0.00096	0.00097	0.00068	---	0.00074	0.00082	0.00085	0.00093	0.00087	0.00086	0.0008	0.00083	0.00086	< 0.005	< 0.005
Titanium	mg/l	0.0017	0.0044	0.0037	0.0032	---	0.0033	0.0037	0.003	0.0055	0.0039	0.0043	0.0035	0.0035	0.0037	0.0028	0.0022
Vanadium	mg/l	0.00014	0.00071	0.00056	0.00056	---	0.00054	0.00053	0.00054	0.00068	0.00054	0.00058	0.00059	0.00056	0.00055	0.00043	0.00035
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	---	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	---	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	---	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	---	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	---	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	4/15/2011 9:20 AM	4/15/2011 9:45 AM	4/15/2011 9:55 AM	4/15/2011 10:20 AM	4/18/2011 10:10 AM	4/18/2011 10:30 AM	4/18/2011 10:50 AM	4/18/2011 11:15 AM	4/18/2011 11:35 AM	4/18/2011 1:35 PM	4/18/2011 2:15 PM	4/18/2011 2:45 PM	4/19/2011 9:45 AM	4/19/2011 9:55 AM	4/19/2011 10:10 AM	4/19/2011 10:25 AM
	Sample	WSE041509 20PMB1	WSE041509 45PMB1	WSE041509 55PMB1	WSE041510 20PMB1	WSE041810 10PMB1	WSE041810 30PMB1	WSE041810 50PMB1	WSE041811 15PMB1	WSE041811 35PMB1	WSE041813 35PMB3	WSE041814 15PMB1	WSE041814 45PMB1	WSE041909 45PMB1	WSE041909 55PMB1	WSE041910 10PMB1	WSE041910 25PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000043	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.88	0.62	0.66	0.63	0.55	0.57	0.54	0.5	0.69	0.39	0.38	0.46	1.5	0.7	0.57	0.46
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0016	0.0013	0.0013	0.0012	0.0015	0.0024	0.0012	0.0012	0.0016	0.0012	0.0011	0.0013	0.0012	0.0014	0.0013	0.0012
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	0.0011	0.00098	0.00084	0.00081	0.001	0.00078	0.0007	0.00065	0.0011	0.00086	0.00065	0.00057
Titanium	mg/l	0.0049	0.0036	0.0037	0.003	0.0037	0.0033	0.003	0.003	0.0041	0.002	0.0019	0.002	0.0096	0.004	0.0032	0.0024
Vanadium	mg/l	0.00052	0.00038	0.00041	0.00045	0.00048	0.00048	0.00043	0.0004	0.00053	0.00024	0.00027	0.00021	0.00086	0.00034	0.00035	0.00032
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	4/19/2011 11:05 AM	4/19/2011 12:55 PM	4/19/2011 1:15 PM	4/19/2011 1:25 PM	4/19/2011 2:00 PM	4/20/2011 11:30 AM	4/27/2011 11:15 AM	4/28/2011 9:15 AM	4/28/2011 9:50 AM	4/28/2011 10:10 AM	4/28/2011 10:25 AM	4/28/2011 10:50 AM	4/28/2011 11:05 AM	4/28/2011 11:30 AM	4/28/2011 11:30 AM	4/28/2011 12:00 PM
	Sample	WSE041911 05PMB1	WSE041912 55PMB1	WSE041913 15PMB1	WSE041913 25PMB1	WSE041914 00PMB1	WSE042011 30PMB1	WSE042711 15PMB1	WSE042809 15PMB1	WSE042809 50PMB1	WSE042810 10PMB1	WSE042810 25PMB1	WSE042810 50PMB1	WSE042811 05PMB1	WSE042811 30NAC1	WSE042811 30PMB1	WSE042812 00NAC1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.94	0.53	0.58	0.4	0.37	0.74	0.54	0.6	0.74	0.69	0.64	0.67	0.67	0.84	0.8	1.2
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0013	0.0012	0.0012	0.0013	0.0011	0.0009	0.0011	0.0013	0.0014	0.0014	0.0013	0.0015	0.0013	0.0012	0.0013	0.0012
Nickel	mg/l	0.001	0.00055	0.00056	0.00051	0.00031	0.00076	0.001	0.00092	0.0013	0.0012	0.0011	0.0013	0.0012	0.001	0.0012	0.0014
Titanium	mg/l	0.0054	0.0028	0.0033	0.002	0.0018	0.0048	0.0058	0.0055	0.0063	0.006	0.0055	0.0062	0.006	0.0078	0.0068	0.0082
Vanadium	mg/l	0.00052	0.00032	0.00022	0.00023	0.00026	0.00038	0.00046	0.00075	0.00067	0.0007	0.00066	0.00075	0.00078	0.00071	0.00081	0.00096
PNA																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	4/28/2011 12:45 PM	4/29/2011 9:55 AM	4/29/2011 10:30 AM	4/29/2011 11:25 AM	4/29/2011 11:45 AM	4/29/2011 12:05 PM	4/29/2011 12:20 PM	4/29/2011 12:45 PM
	Sample	WSE042812 45NAC1	WSE042909 55PMB3	WSE042910 30PMB1	WSE042911 25PMB1	WSE042911 45PMB1	WSE042912 05PMB1	WSE042912 20PMB1	WSE042912 45PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result
Metals									
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.63	0.56	0.51	0.97	1.1	0.57	0.55	0.56
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0013	0.0011	0.001	0.0011	0.001	0.0012	0.001	0.001
Nickel	mg/l	0.00095	0.0011	0.00096	0.0013	0.0011	0.00094	0.00094	0.00097
Titanium	mg/l	0.005	0.0037	0.0037	0.0058	0.0061	0.0039	0.0036	0.0037
Vanadium	mg/l	0.00071	0.00021	0.00031	0.00036	0.00048	0.00027	0.00028	0.00034
PNA									
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH									
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	0.22	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC									
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-i. Morrow Lake Surface Water Analytical Results April 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:

Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	5/2/2011 9:45 AM	5/2/2011 10:20 AM	5/2/2011 10:45 AM	5/2/2011 10:45 AM	5/2/2011 11:05 AM	5/2/2011 11:30 AM	5/2/2011 11:50 AM	5/2/2011 1:15 PM	5/2/2011 1:30 PM	5/2/2011 1:55 PM	5/2/2011 2:15 PM	5/2/2011 2:35 PM	5/3/2011 9:35 AM
	Sample						WSE050209 45PMB1	WSE050210 20PMB1	WSE050210 45PMB1	WSE050210 45PMB2	WSE050211 05PMB1	WSE050211 30PMB1	WSE050211 50TDF1	WSE050213 15PMB1	WSE050213 30PMB1	WSE050213 55PMB1	WSE050214 15PMB1	WSE050214 35PMB1	WSE050309 35PMB1
Analyte	Units						Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																			
Beryllium	mg/l	NCE	NCE	NCE	NCE	1.2	0.000031	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	NCE	NCE	NCE	NCE	NCE	0.72	0.63	0.65	0.67	0.6	0.63	0.57	0.65	0.58	0.58	0.52	0.63	0.59
Mercury (Total)	mg/l	NCE	NCE	NCE	NCE	1.8e-006	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	29	58	3.2	NCE	10	0.0017	0.0013	0.0015	0.0014	0.0014	0.0012	0.0013	0.0012	0.0012	0.0012	0.0014	0.0014	0.0012
Nickel	mg/l	NCE	NCE	NCE	NCE	210	0.0011	0.00093	0.001	0.001	0.0011	0.00079	0.00094	0.0009	0.00071	0.00065	0.00098	0.001	0.0011
Titanium	mg/l	NCE	NCE	NCE	NCE	NCE	0.0075	0.0061	0.0058	0.0067	0.0057	0.006	0.0048	0.0061	0.0054	0.0053	0.0044	0.0062	0.0055
Vanadium	mg/l	0.11	0.22	0.012	NCE	0.54	0.00064	0.00042	0.00078	0.00071	0.00066	0.00055	0.00034	0.0006	0.00061	0.00052	0.00064	0.0008	0.00063
PNA*																			
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acenaphthene	ug/l	100	200	38	NCE	890	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	ug/l	NCE	NCE	NCE	NCE	2400	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(g,h,i)perylene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	ug/l	14	28	1.6	NCE	18	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	ug/l	110	220	12	NCE	160	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-c,d)pyrene	ug/l	NCE	NCE	NCE	NCE	NCE	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	ug/l	100	200	11	NCE	2300	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	4.7	9.4	1.4	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyrene	ug/l	NCE	NCE	NCE	NCE	15	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH																			
Diesel Range Organics (C10-C20)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	NCE	NCE	NCE	NCE	NCE	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	NCE	NCE	NCE	NCE	NCE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																			
1,2,3-Trimethylbenzene	ug/l	NCE	NCE	NCE	NCE	650	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	150	310	17	NCE	330	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	410	810	45	NCE	4200	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	170	340	19	NCE	1000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	950	1900	200	310	510	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	NCE	NCE	NCE	NCE	NCE	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	160	320	18	110	8900	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	250	500	28	NCE	3800	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	100	200	11	NCE	2300	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	NCE	NCE	NCE	NCE	NCE	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	AMV	FAV	FCV	HCV NON-DRINK	HNV NON-DRINK	5/2/2011 9:45 AM	5/2/2011 10:20 AM	5/2/2011 10:45 AM	5/2/2011 10:45 AM	5/2/2011 11:05 AM	5/2/2011 11:30 AM	5/2/2011 11:50 AM	5/2/2011 1:15 PM	5/2/2011 1:30 PM	5/2/2011 1:55 PM	5/2/2011 2:15 PM	5/2/2011 2:35 PM	5/3/2011 9:35 AM
	Sample						WSE050209 45PMB1	WSE050210 20PMB1	WSE050210 45PMB1	WSE050210 45PMB2	WSE050211 05PMB1	WSE050211 30PMB1	WSE050211 50TDF1	WSE050213 15PMB1	WSE050213 30PMB1	WSE050213 55PMB1	WSE050214 15PMB1	WSE050214 35PMB1	WSE050309 35PMB1
	Units						Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Result
sec-Butylbenzene	ug/l	NCE	NCE	NCE	NCE	NCE	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	1300	2600	270	NCE	51000	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.24	< 1	< 1
Xylenes	ug/l	370	730	41	NCE	16000	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/3/2011 10:00 AM	5/3/2011 10:20 AM	5/3/2011 10:40 AM	5/3/2011 11:30 AM	5/3/2011 1:00 PM	5/3/2011 1:30 PM	5/3/2011 1:30 PM	5/3/2011 1:47 PM	5/3/2011 2:10 PM	5/3/2011 2:30 PM	5/9/2011 9:30 AM	5/9/2011 9:30 AM	5/9/2011 10:15 AM	5/9/2011 11:00 AM	5/9/2011 11:30 AM	5/9/2011 11:55 AM
	Sample	WSE050310 00PMB1	WSE050310 20PMB1	WSE050310 40PMB1	WSE050311 30PMB3	WSE050313 00PMB1	WSE050313 30PMB1	WSE050313 30PMB2	WSE050313 47PMB1	WSE050314 10PMB1	WSE050314 30PMB1	WSE050909 30PMB1	WSE050909 30PMB2	WSE050910 15PMB1	WSE050911 00PMB1	WSE050911 30PMB1	WSE050911 55PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.65	0.68	0.76	0.49	0.46	0.77	0.77	0.64	0.46	0.7	0.76	0.83	0.78	0.67	0.72	0.58
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0013	0.0021	0.0014	0.0014	0.0013	0.0014	0.0013	0.0013	0.0014	0.0013	0.0015	0.0015	0.0014	0.0014	0.0016	0.00086
Nickel	mg/l	0.0012	0.0012	0.0012	0.00091	0.0011	0.0013	0.0012	0.0011	0.0011	0.0013	0.00064	0.0011	0.00056	0.00044	0.0012	< 0.005
Titanium	mg/l	0.0059	0.0062	0.0061	0.0048	0.0043	0.0067	0.0059	0.0055	0.0046	0.0062	0.0045	0.0044	0.0043	0.0034	0.004	0.0031
Vanadium	mg/l	0.00072	0.00063	0.00068	0.00053	0.00052	0.00065	0.00065	0.00052	0.00049	0.00065	0.00061	0.00056	0.00057	0.00039	0.00053	0.00047
PNA*																	
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1
Acenaphthene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Chrysene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Fluoranthene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1
Pyrene	ug/l	---	---	---	---	---	---	---	---	---	---	<1	<1	<1	<1	<1	<1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/3/2011 10:00 AM	5/3/2011 10:20 AM	5/3/2011 10:40 AM	5/3/2011 11:30 AM	5/3/2011 1:00 PM	5/3/2011 1:30 PM	5/3/2011 1:30 PM	5/3/2011 1:47 PM	5/3/2011 2:10 PM	5/3/2011 2:30 PM	5/9/2011 9:30 AM	5/9/2011 9:30 AM	5/9/2011 10:15 AM	5/9/2011 11:00 AM	5/9/2011 11:30 AM	5/9/2011 11:55 AM
	Sample	WSE050310 00PMB1	WSE050310 20PMB1	WSE050310 40PMB1	WSE050311 30PMB3	WSE050313 00PMB1	WSE050313 30PMB1	WSE050313 30PMB2	WSE050313 47PMB1	WSE050314 10PMB1	WSE050314 30PMB1	WSE050909 30PMB1	WSE050909 30PMB2	WSE050910 15PMB1	WSE050911 00PMB1	WSE050911 30PMB1	WSE050911 55PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/9/2011 1:25 PM	5/9/2011 1:45 PM	5/9/2011 2:00 PM	5/9/2011 2:10 PM	5/9/2011 2:25 PM	5/10/2011 9:35 AM	5/10/2011 9:55 AM	5/10/2011 10:10 AM	5/10/2011 10:10 AM	5/10/2011 10:35 AM	5/10/2011 10:55 AM	5/10/2011 11:15 AM	5/10/2011 12:55 PM	5/10/2011 1:15 PM	5/10/2011 1:35 PM	5/10/2011 2:10 PM
	Sample	WSE050913 25PMB1	WSE050913 45PMB1	WSE050914 00PMB1	WSE050914 10PMB1	WSE050914 25PMB1	WSE051009 35PMB1	WSE051009 55PMB1	WSE051010 10PMB1	WSE051010 10PMB2	WSE051010 35PMB1	WSE051010 55PMB1	WSE051011 15PMB1	WSE051012 55PMB1	WSE051013 15PMB1	WSE051013 35PMB1	WSE051014 10PMB3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.75	0.62	0.66	0.9	0.95	0.64	0.67	0.47	0.48	0.55	0.56	0.65	0.62	0.61	0.63	0.63
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.00091	0.00097	0.0016	0.0017	0.0014	0.0014	0.001	0.001	0.0011	0.0012	0.0011	0.0012	0.0012	0.0011	0.0013	0.0013
Nickel	mg/l	< 0.005	< 0.005	0.00078	0.0012	0.00075	0.0011	0.00095	0.00089	0.0013	0.0009	0.0011	0.0012	0.001	0.00094	0.0017	0.0013
Titanium	mg/l	0.0036	0.0032	0.0035	0.0045	0.0051	0.004	0.0041	0.0026	0.0027	0.0034	0.0034	0.004	0.004	0.0038	0.0039	0.0036
Vanadium	mg/l	0.00059	0.00049	0.00055	0.0006	0.00068	0.00049	0.00051	0.00042	0.00048	0.00049	0.00036	0.00052	0.00052	0.00052	0.00056	0.00048
PNA*																	
2-Methylnaphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/9/2011 1:25 PM	5/9/2011 1:45 PM	5/9/2011 2:00 PM	5/9/2011 2:10 PM	5/9/2011 2:25 PM	5/10/2011 9:35 AM	5/10/2011 9:55 AM	5/10/2011 10:10 AM	5/10/2011 10:10 AM	5/10/2011 10:35 AM	5/10/2011 10:55 AM	5/10/2011 11:15 AM	5/10/2011 12:55 PM	5/10/2011 1:15 PM	5/10/2011 1:35 PM	5/10/2011 2:10 PM
	Sample	WSE050913 25PMB1	WSE050913 45PMB1	WSE050914 00PMB1	WSE050914 10PMB1	WSE050914 25PMB1	WSE051009 35PMB1	WSE051009 55PMB1	WSE051010 10PMB1	WSE051010 10PMB2	WSE051010 35PMB1	WSE051010 55PMB1	WSE051011 15PMB1	WSE051012 55PMB1	WSE051013 15PMB1	WSE051013 35PMB1	WSE051014 10PMB3
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/12/2011 11:00 AM	5/16/2011 9:25 AM	5/16/2011 10:00 AM	5/16/2011 10:20 AM	5/16/2011 10:40 AM	5/16/2011 11:10 AM	5/16/2011 11:30 AM	5/16/2011 1:15 PM	5/16/2011 1:35 PM	5/16/2011 2:00 PM	5/16/2011 2:20 PM	5/16/2011 2:55 PM	5/17/2011 10:00 AM	5/17/2011 10:23 AM	5/17/2011 10:41 AM	5/17/2011 11:01 AM
	Sample	WSE051211 00PMB1	WSE051609 25RTV1	WSE051610 00JWP1	WSE051610 20JWP1	WSE051610 40JWP1	WSE051611 10JWP3	WSE051611 30JWP1	WSE051613 15JWP1	WSE051613 35JWP1	WSE051614 00JWP1	WSE051614 20JWP1	WSE051614 55JWP1	WSE051710 00JWP1	WSE051710 23JWP1	WSE051710 41JWP1	WSE051711 01JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	0.000034	0.000042	0.000058	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.39	0.38	0.75	0.72	0.51	0.5	0.54	0.36	0.39	0.39	0.33	0.55	0.72	0.6	0.55	0.61
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0013	0.0011	0.0012	0.0011	0.0015	0.001	0.001	0.0011	0.0011	0.0011	0.0012	0.00097	0.00084	0.00088	0.00086	0.00089
Nickel	mg/l	0.00087	0.00086	0.00099	0.001	0.00092	0.00092	0.00091	0.00087	0.00088	0.0008	0.00082	0.00088	0.00045	0.00055	0.00086	0.0008
Titanium	mg/l	0.0015	0.0019	0.0036	0.0032	0.0023	0.0022	0.0023	0.0018	0.002	0.0019	0.0015	0.0027	0.005	0.0043	0.0043	0.0037
Vanadium	mg/l	0.00038	0.00041	0.00044	0.00044	0.00045	0.00029	0.0003	0.00024	0.0003	0.00033	0.00032	0.00042	0.00049	0.00044	0.00045	0.00046
PNA*																	
2-Methylnaphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/12/2011 11:00 AM	5/16/2011 9:25 AM	5/16/2011 10:00 AM	5/16/2011 10:20 AM	5/16/2011 10:40 AM	5/16/2011 11:10 AM	5/16/2011 11:30 AM	5/16/2011 1:15 PM	5/16/2011 1:35 PM	5/16/2011 2:00 PM	5/16/2011 2:20 PM	5/16/2011 2:55 PM	5/17/2011 10:00 AM	5/17/2011 10:23 AM	5/17/2011 10:41 AM	5/17/2011 11:01 AM
	Sample	WSE051211 00PMB1	WSE051609 25RTV1	WSE051610 00JWP1	WSE051610 20JWP1	WSE051610 40JWP1	WSE051611 10JWP3	WSE051611 30JWP1	WSE051613 15JWP1	WSE051613 35JWP1	WSE051614 00JWP1	WSE051614 20JWP1	WSE051614 55JWP1	WSE051710 00JWP1	WSE051710 23JWP1	WSE051710 41JWP1	WSE051711 01JWP1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/17/2011 11:32 AM	5/17/2011 12:55 PM	5/17/2011 1:22 PM	5/17/2011 1:41 PM	5/17/2011 2:03 PM	5/17/2011 2:37 PM	5/17/2011 2:37 PM	5/24/2011 11:20 AM	5/24/2011 11:50 AM	5/24/2011 12:30 PM	5/24/2011 1:15 PM	5/24/2011 1:40 PM	5/24/2011 1:40 PM	5/24/2011 2:00 PM	5/24/2011 2:15 PM	5/24/2011 2:30 PM
	Sample	WSE051711 32JWP1	WSE051712 55JWP1	WSE051713 22JWP1	WSE051713 41JWP1	WSE051714 03JWP1	WSE051714 37JWP1	WSE051714 37JWP2	WSE052411 20PMB1	WSE052411 50PMB1	WSE052412 30PMB1	WSE052413 15PMB3	WSE052413 40PMB1	WSE052413 40PMB2	WSE052414 00PMB1	WSE052414 15PMB1	WSE052414 30PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.52	0.75	0.78	0.85	0.81	0.66	0.88	0.64	0.5	0.42	0.44	0.42	0.44	0.39	0.4	0.41
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.000016	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.00086	0.00086	0.0014	0.00091	0.001	0.00083	0.00088	0.0012	0.0011	0.0011	0.0021	0.0015	0.0013	0.0012	0.002	0.0012
Nickel	mg/l	0.00039	0.00041	0.00073	0.00057	0.00045	0.00064	0.00067	0.00086	0.00083	0.0011	0.00081	0.0011	0.00093	0.00087	0.00079	0.00083
Titanium	mg/l	0.0034	0.005	0.0056	0.0054	0.0049	0.0041	0.0054	0.0045	0.0039	0.0036	0.0041	0.0038	0.0037	0.0038	0.0034	0.0035
Vanadium	mg/l	0.00054	0.00048	0.00049	0.0005	0.00053	0.00043	0.00056	0.00056	0.00057	0.00062	0.0006	0.00055	0.00056	0.00049	0.00055	0.00049
PNA*																	
2-Methylnaphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/17/2011 11:32 AM	5/17/2011 12:55 PM	5/17/2011 1:22 PM	5/17/2011 1:41 PM	5/17/2011 2:03 PM	5/17/2011 2:37 PM	5/17/2011 2:37 PM	5/24/2011 11:20 AM	5/24/2011 11:50 AM	5/24/2011 12:30 PM	5/24/2011 1:15 PM	5/24/2011 1:40 PM	5/24/2011 1:40 PM	5/24/2011 2:00 PM	5/24/2011 2:15 PM	5/24/2011 2:30 PM
	Sample	WSE051711 32JWP1	WSE051712 55JWP1	WSE051713 22JWP1	WSE051713 41JWP1	WSE051714 03JWP1	WSE051714 37JWP1	WSE051714 37JWP2	WSE052411 20PMB1	WSE052411 50PMB1	WSE052412 30PMB1	WSE052413 15PMB3	WSE052413 40PMB1	WSE052413 40PMB2	WSE052414 00PMB1	WSE052414 15PMB1	WSE052414 30PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/24/2011 2:45 PM	5/24/2011 3:05 PM	5/25/2011 10:45 AM	5/26/2011 9:55 AM	5/26/2011 10:25 AM	5/26/2011 11:10 AM	5/26/2011 11:35 AM	5/26/2011 11:55 AM	5/26/2011 11:58 AM	5/26/2011 1:10 PM	5/26/2011 1:25 PM	5/26/2011 1:50 PM	5/26/2011 2:20 PM	5/26/2011 2:20 PM	6/1/2011 11:15 AM	6/1/2011 11:15 AM
	Sample	WSE052414 45PMB1	WSE052415 05PMB1	WSE052510 45PMB1	WSE052609 55PMB1	WSE052610 25PMB1	WSE052611 10PMB1	WSE052611 35PMB1	WSE052611 55PMB1	WSE052611 58NAC1	WSE052613 10PMB1	WSE052613 25PMB1	WSE052613 50PMB1	WSE052614 20PMB1	WSE052614 20PMB2	WSE060111 15RTV1	WSE060111 15RTV2
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Duplicate
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000053	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.37	0.39	0.62	0.57	0.7	0.56	0.62	0.64	0.36	0.83	0.81	0.93	1.1	0.9	0.63	0.6
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0011	0.0012	0.0014	0.0013	0.0013	0.0023	0.0011	0.0013	0.0022	0.0011	0.0014	0.0012	0.0012	0.001	0.0012	0.0011
Nickel	mg/l	0.00084	0.001	0.0011	0.0007	0.00069	0.00061	0.00071	0.00099	0.00077	0.0009	0.001	0.00097	0.0012	0.00097	< 0.005	< 0.005
Titanium	mg/l	0.0034	0.0034	0.005	0.0047	0.0057	0.0045	0.0051	0.0052	0.0033	0.0072	0.0062	0.0074	0.0083	0.0066	0.0059	0.0053
Vanadium	mg/l	0.00041	0.00035	0.00049	0.00054	0.00065	0.00063	0.00058	0.00059	0.00033	0.00067	0.00068	0.00078	0.00081	0.0008	0.00046	0.00043
PNA*																	
2-Methylnaphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	5/24/2011 2:45 PM	5/24/2011 3:05 PM	5/25/2011 10:45 AM	5/26/2011 9:55 AM	5/26/2011 10:25 AM	5/26/2011 11:10 AM	5/26/2011 11:35 AM	5/26/2011 11:55 AM	5/26/2011 11:58 AM	5/26/2011 1:10 PM	5/26/2011 1:25 PM	5/26/2011 1:50 PM	5/26/2011 2:20 PM	5/26/2011 2:20 PM	6/1/2011 11:15 AM	6/1/2011 11:15 AM
	Sample	WSE052414 45PMB1	WSE052415 05PMB1	WSE052510 45PMB1	WSE052609 55PMB1	WSE052610 25PMB1	WSE052611 10PMB1	WSE052611 35PMB1	WSE052611 55PMB1	WSE052611 58NAC1	WSE052613 10PMB1	WSE052613 25PMB1	WSE052613 50PMB1	WSE052614 20PMB1	WSE052614 20PMB2	WSE060111 15RTV1	WSE060111 15RTV2
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Duplicate
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

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Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	6/2/2011 10:15 AM	6/2/2011 10:40 AM	6/2/2011 11:06 AM	6/2/2011 11:27 AM	6/2/2011 11:45 AM	6/2/2011 11:45 AM	6/2/2011 12:05 PM	6/2/2011 1:55 PM	6/2/2011 2:15 PM	6/2/2011 2:30 PM	6/2/2011 2:50 PM	6/3/2011 9:50 AM	6/3/2011 10:10 AM	6/3/2011 10:30 AM	6/3/2011 10:30 AM	6/3/2011 10:45 AM
	Sample	WSE060210 15PMB1	WSE060210 40PMB3	WSE060211 06PMB1	WSE060211 27PMB1	WSE060211 45PMB1	WSE060211 45PMB2	WSE060212 05PMB1	WSE060213 55PMB1	WSE060214 15PMB1	WSE060214 30PMB1	WSE060214 50PMB1	WSE060309 50PMB1	WSE060310 10PMB1	WSE060310 30PMB1	WSE060310 30PMB2	WSE060310 45PMB1
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

	Date Collected	6/3/2011 11:00 AM	6/3/2011 11:29 AM	6/3/2011 12:55 PM	6/3/2011 1:15 PM	6/3/2011 1:35 PM	6/6/2011 10:25 AM	6/6/2011 10:55 AM	6/6/2011 10:55 AM	6/6/2011 11:30 AM	6/6/2011 11:55 AM	6/6/2011 1:25 PM	6/6/2011 1:40 PM	6/6/2011 1:55 PM	6/6/2011 2:10 PM	6/6/2011 2:27 PM	6/6/2011 2:45 PM
	Sample	WSE060311 00PMB1	WSE060311 29PMB1	WSE060312 55PMB1	WSE060313 15PMB1	WSE060313 35PMB1	WSE060610 25PMB3	WSE060610 55PMB1	WSE060610 55PMB2	WSE060611 30PMB1	WSE060611 55PMB1	WSE060613 25PMB1	WSE060613 40PMB1	WSE060613 55PMB1	WSE060614 10PMB1	WSE060614 27PMB1	WSE060614 45PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00007	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/l	0.67	0.68	0.91	0.66	0.62	0.79	0.79	0.59	0.3	0.36	0.9	0.5	0.7	0.54	0.51	0.49
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0016	0.0016	0.0014	0.0014	0.0014	0.0013	0.0011	0.001	0.0011	0.0024	0.0013	0.0013	0.0013	0.0012	0.0013	0.00098
Nickel	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/l	0.0057	0.0055	0.0068	0.0055	0.0051	0.0058	0.0056	0.0044	0.0033	0.0035	0.0061	0.0039	0.0051	0.0049	0.004	0.0039
Vanadium	mg/l	0.00053	0.00064	0.00079	0.00061	0.00054	0.0006	0.00056	0.0005	0.00063	0.0004	0.00066	0.00023	0.0007	0.00049	0.00031	0.00044
PNA*																	
2-Methylnaphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoranthene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Indeno(1,2,3-c,d)pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pyrene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH																	
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC																	
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	6/3/2011 11:00 AM	6/3/2011 11:29 AM	6/3/2011 12:55 PM	6/3/2011 1:15 PM	6/3/2011 1:35 PM	6/6/2011 10:25 AM	6/6/2011 10:55 AM	6/6/2011 10:55 AM	6/6/2011 11:30 AM	6/6/2011 11:55 AM	6/6/2011 1:25 PM	6/6/2011 1:40 PM	6/6/2011 1:55 PM	6/6/2011 2:10 PM	6/6/2011 2:27 PM	6/6/2011 2:45 PM
	Sample	WSE060311 00PMB1	WSE060311 29PMB1	WSE060312 55PMB1	WSE060313 15PMB1	WSE060313 35PMB1	WSE060610 25PMB3	WSE060610 55PMB1	WSE060610 55PMB2	WSE060611 30PMB1	WSE060611 55PMB1	WSE060613 25PMB1	WSE060613 40PMB1	WSE060613 55PMB1	WSE060614 10PMB1	WSE060614 27PMB1	WSE060614 45PMB1
Analyte	Units	Result	Result	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result	Result	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.41	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

	Date Collected	6/7/2011 9:55 AM	6/7/2011 10:15 AM	6/7/2011 10:35 AM	6/7/2011 10:55 AM	6/7/2011 11:20 AM	6/7/2011 11:20 AM	6/7/2011 12:05 PM	6/7/2011 12:55 PM	6/7/2011 1:15 PM	6/7/2011 1:35 PM	6/7/2011 2:00 PM	6/8/2011 11:10 AM
	Sample	WSE060709 55PMB1	WSE060710 15PMB1	WSE060710 35PMB1	WSE060710 55PMB1	WSE060711 20PMB1	WSE060711 20PMB2	WSE060712 05PMB1	WSE060712 55PMB1	WSE060713 15PMB1	WSE060713 35PMB1	WSE060714 00PMB1	WSE060811 10PMB3
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result
Metals													
Beryllium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.000095	< 0.001
Iron	mg/l	0.35	0.32	0.33	0.37	0.28	0.3	0.5	0.24	0.27	0.31	0.39	0.25
Mercury (Total)	mg/l	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Molybdenum	mg/l	0.0015	0.0015	0.0012	0.0018	0.0014	0.0013	0.0014	0.0013	0.0013	0.0041	0.0023	0.0015
Nickel	mg/l	0.00058	0.00056	0.00076	0.00059	0.00056	0.0004	0.00077	0.00067	0.00094	0.00046	< 0.005	0.00098
Titanium	mg/l	0.0035	0.0032	0.0033	0.0036	0.0033	0.0035	0.0043	0.003	0.003	0.0032	0.0036	0.0016
Vanadium	mg/l	0.00054	0.00057	0.0003	0.00046	0.00024	0.00021	0.00048	0.00047	0.00023	0.00056	< 0.004	0.00048
PNA*													
2-Methylnaphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acenaphthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acenaphthylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(b)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(g,h,i)perylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(k)fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chrysene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzo(a,h)anthracene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluoranthene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluorene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Indeno(1,2,3-c,d)pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyrene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
TPH													
Diesel Range Organics (C10-C20)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Gasoline Range Organics (C6-C10)	ug/l	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
Oil Range Organics (C20-C34)	mg/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC													
1,2,3-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cyclohexane	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropyl benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m&p-Xylene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Naphthalene	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
n-Propylbenzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyl toluene (p-Cymene)	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

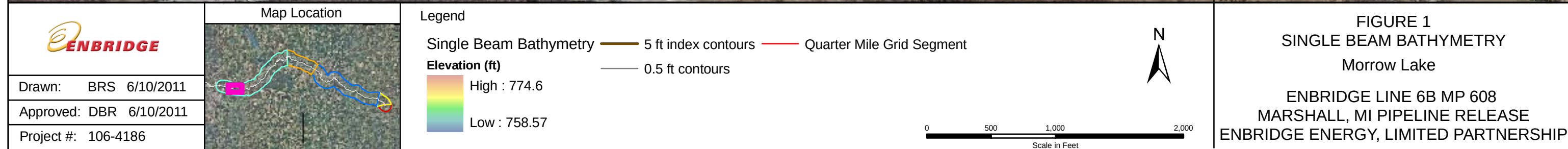
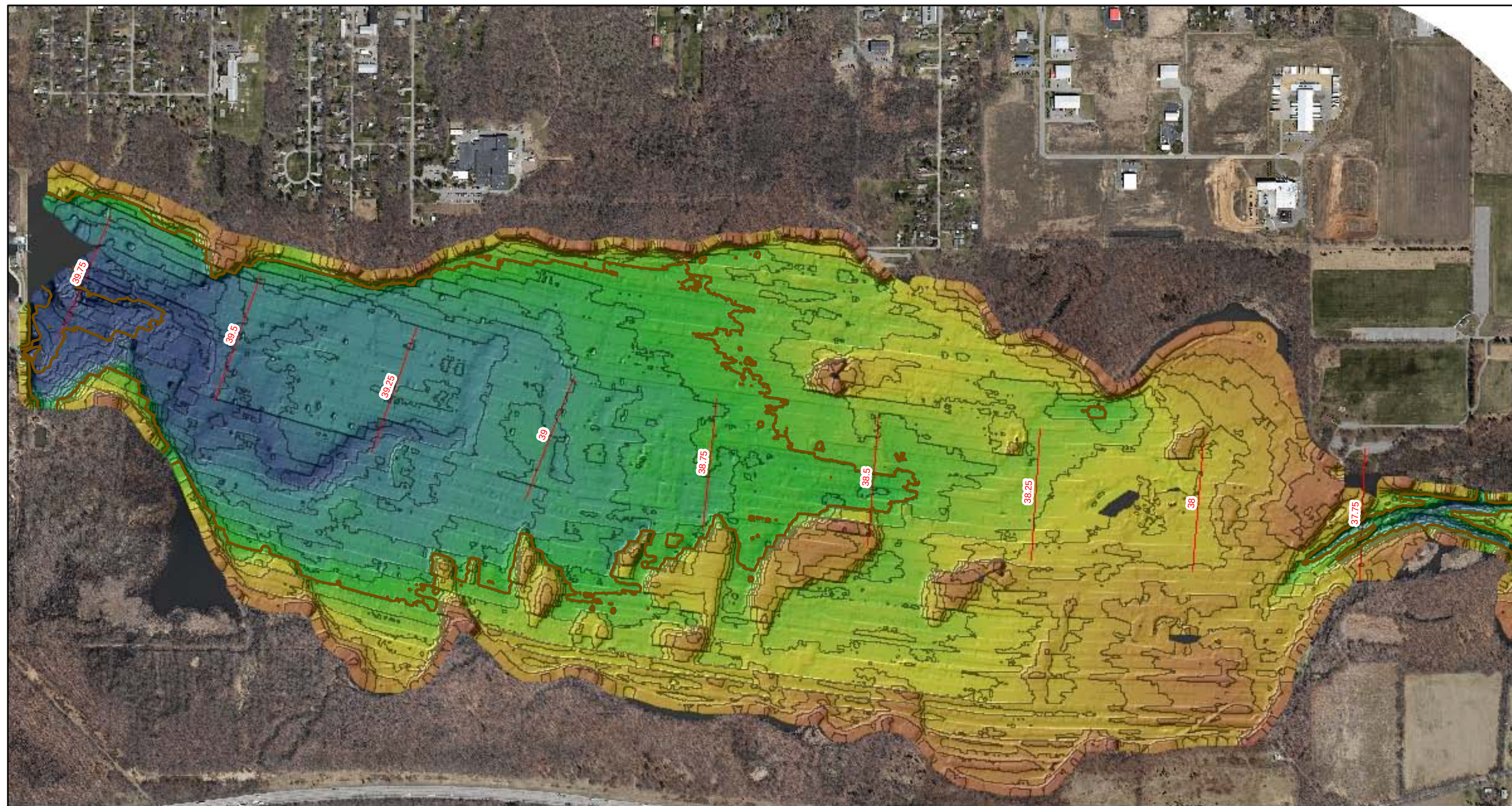
Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
Enbridge Energy, Limited Partnership

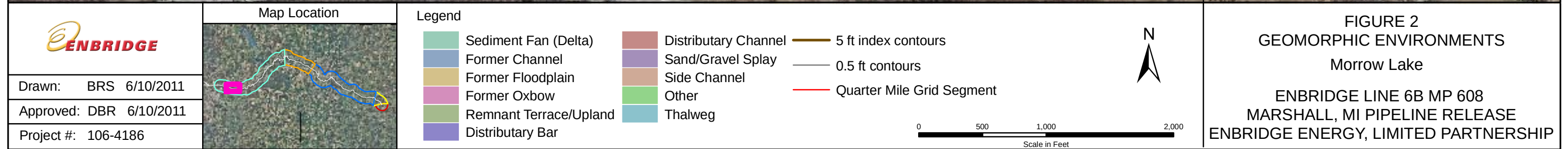
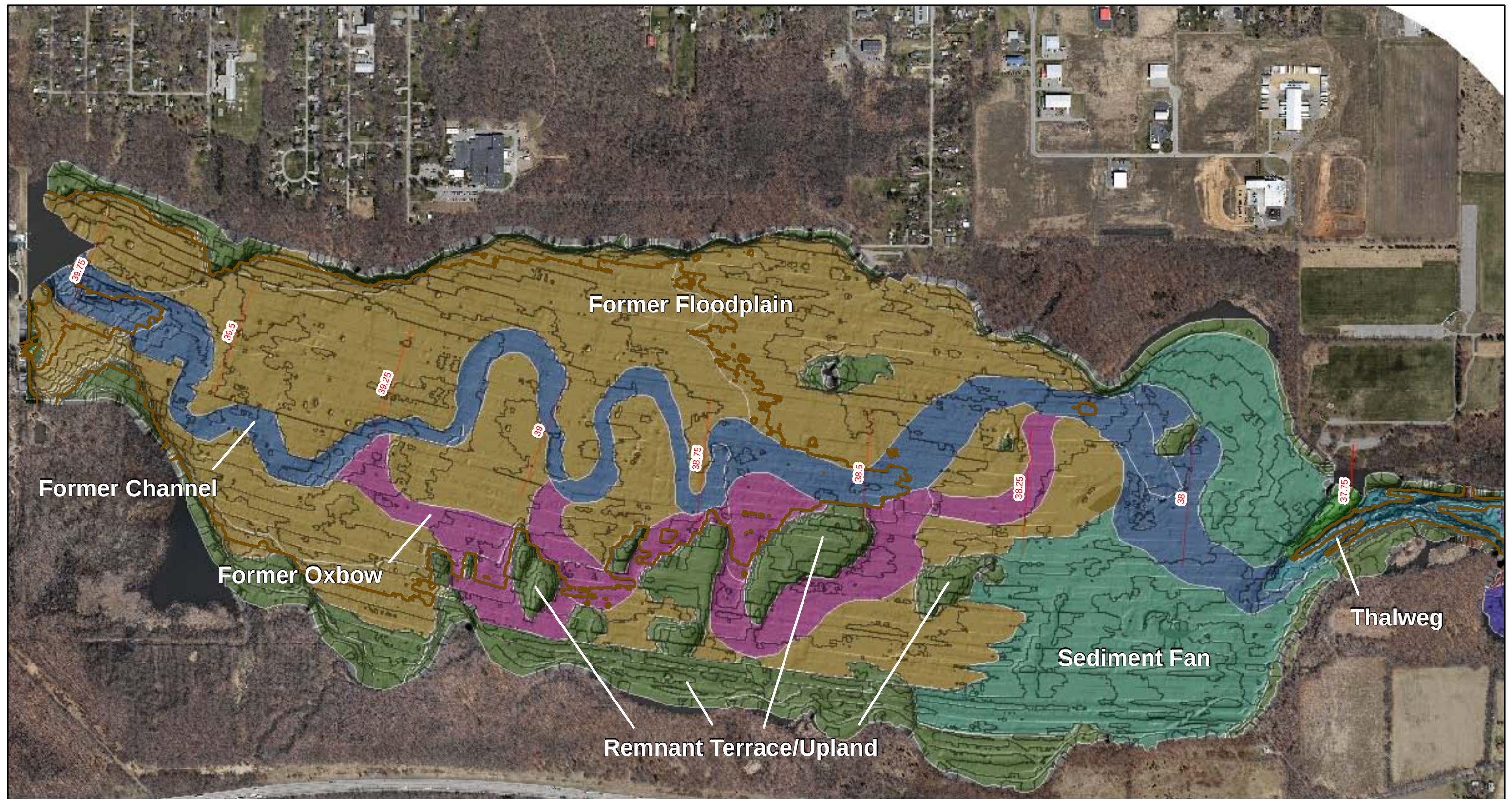
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	Sample	WSE060709 55PMB1	WSE060710 15PMB1	WSE060710 35PMB1	WSE060710 55PMB1	WSE060711 20PMB1	WSE060711 20PMB2	WSE060712 05PMB1	WSE060712 55PMB1	WSE060713 15PMB1	WSE060713 35PMB1	WSE060714 00PMB1	WSE060811 10PMB3
Analyte	Units	Result	Result	Result	Result	Result	Duplicate	Result	Result	Result	Result	Result	Result
sec-Butylbenzene	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Toluene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

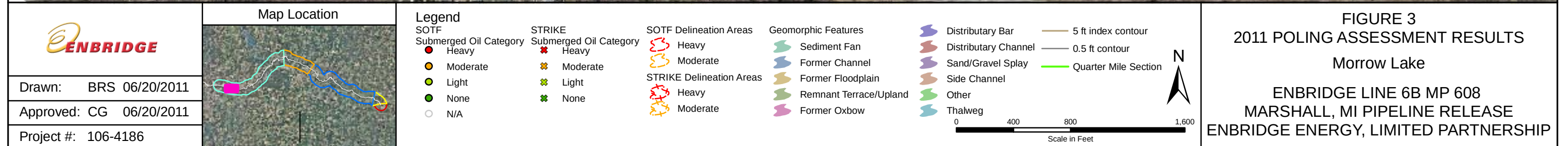
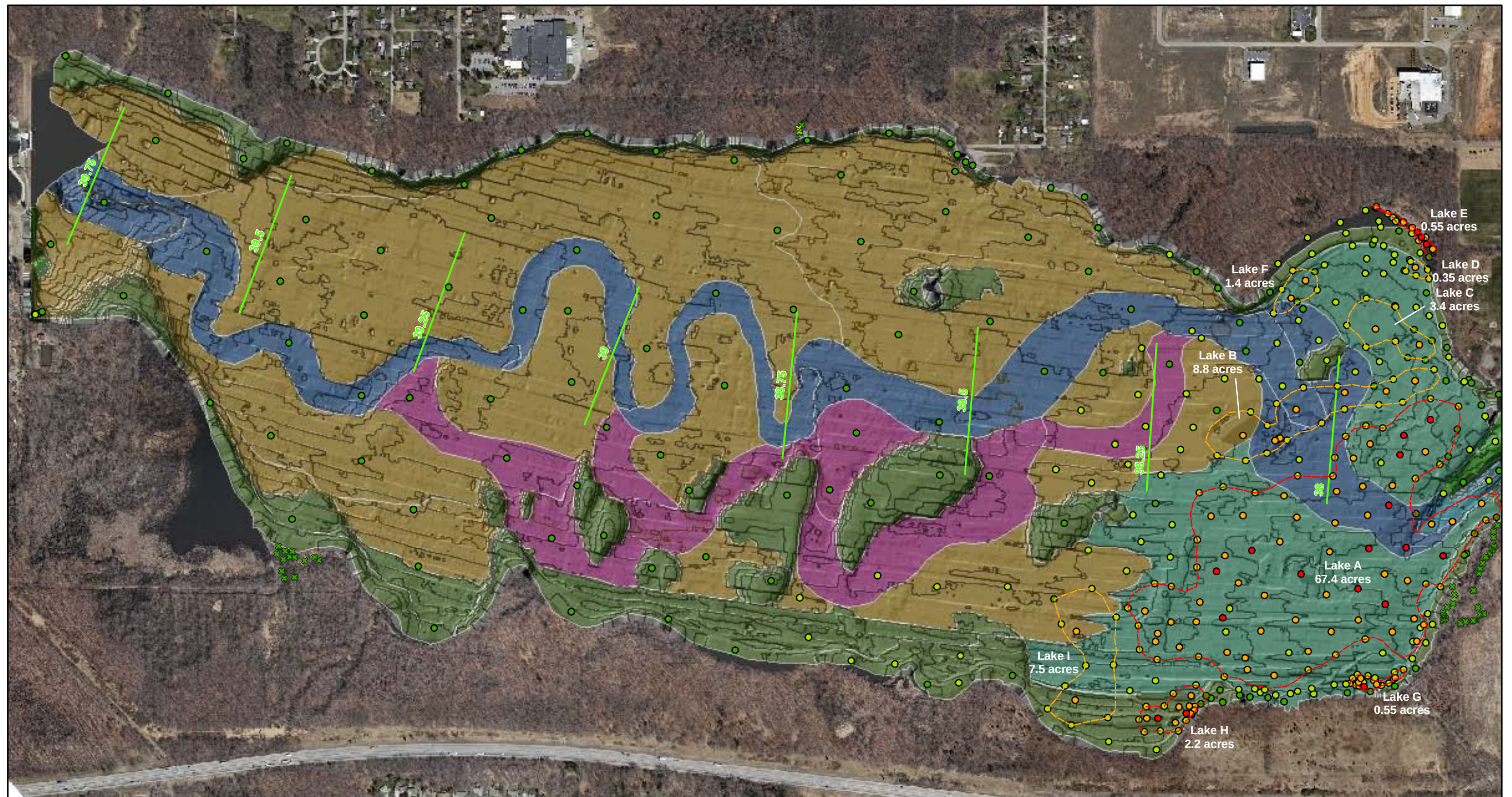
Table 4-j. Morrow Lake Surface Water Analytical Results May-June 10, 2011
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Notes:
Shaded values exceed applicable criteria.
Bold values are concentrations detected above the method detection level.
* = On May 9, 2011, Enbridge voluntarily expanded the list of PNAs being analyzed. At this time, the detection limit reported changed from 1 ug/l to 5 ug/l. Enbridge has communicated with the laboratory and all future samples conducted under the current monitoring program will be run with a reporting detection limit of 1 ug/l. In addition, for samples in this table collected beginning May 9, 2011 through June 3, 2011 the analytical laboratory went back to their raw data and re-issued reports with the original lower detection limit so all PNA detection limits have been changed to <1 ug/l . These changes will not be reflected in Attachment 1.
--- = Not completed/not analyzed
ID = Insufficient data to develop criterion.
NA = Criterion or value is not available or data is not applicable.
NCE = No Criteria Established
deg C = degrees Celsius
mg/l = milligram per liter
ug/l = micrograms per liter
PNA = polycyclic aromatic hydrocarbon
TPH = total petroleum hydrocarbon
VOC = volatile organic compound
DRO = Diesel range organics
GRO = Gasoline range organics
ORO = Oil range organics
Human noncancer value (HNV) non-drink
Human cancer value (HCV) non-drink
Final chronic value (FCV)
Final acute value (FAV)
Aquatic maximum value (AMV)

Figures







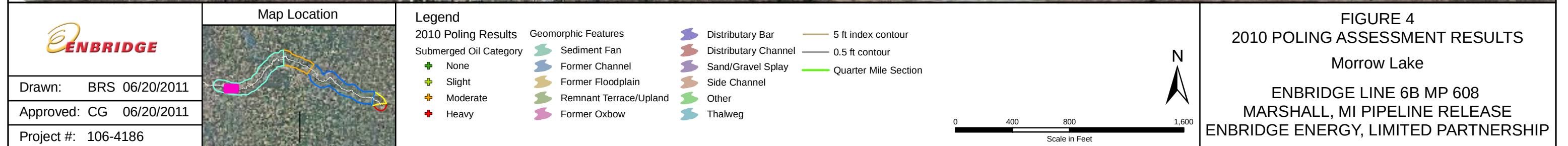
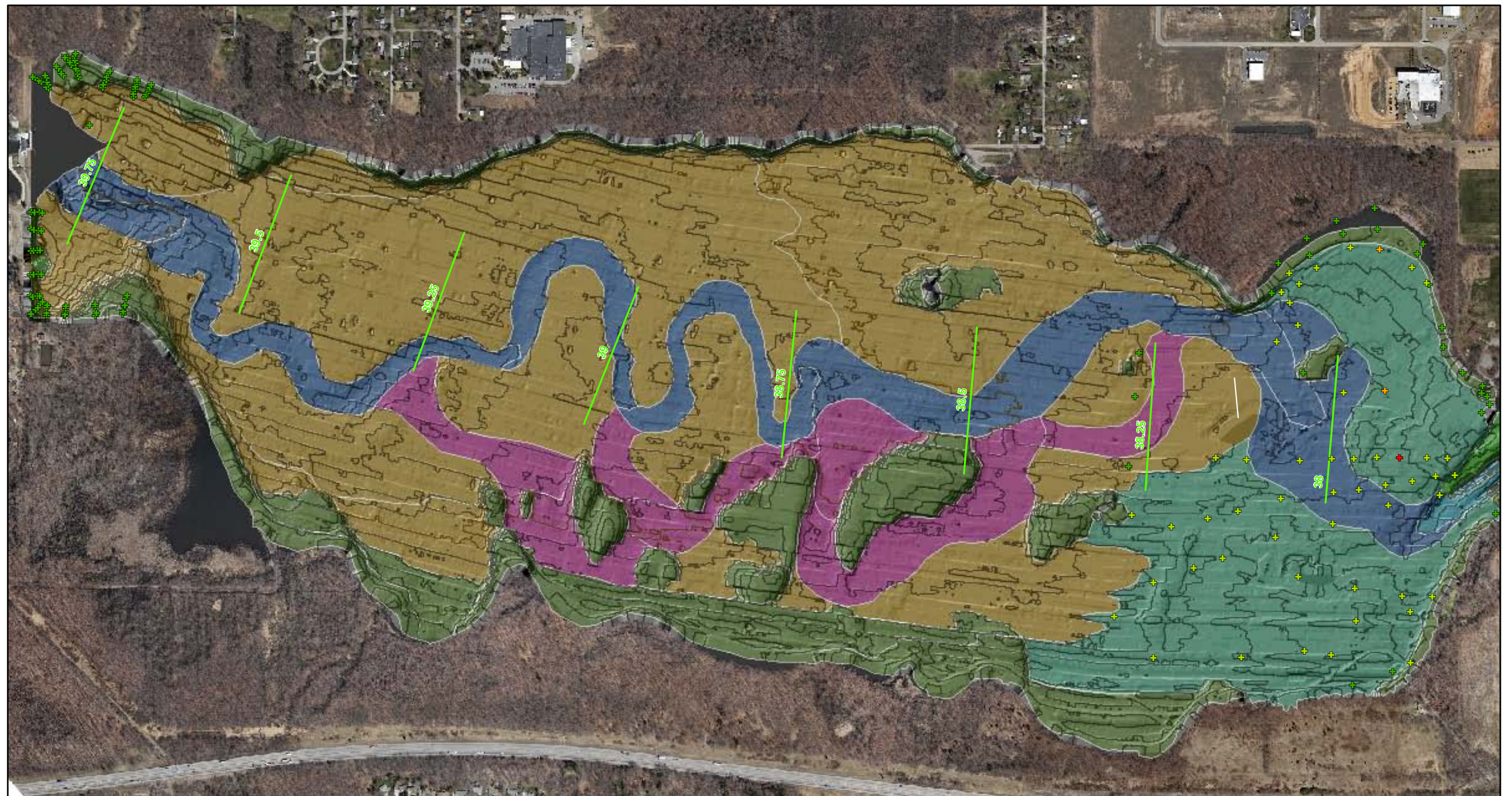


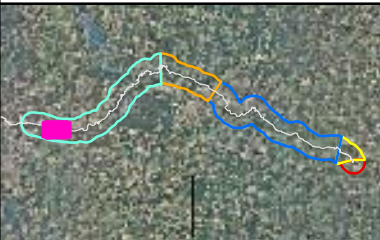
FIGURE 4
2010 POLING ASSESSMENT RESULTS
Morrow Lake
ENBRIDGE LINE 6B MP 608
MARSHALL, MI PIPELINE RELEASE
ENBRIDGE ENERGY, LIMITED PARTNERSHIP





Drawn: BRS 06/20/2011
Approved: CG 06/20/2011
Project #: 106-4186

Map Location



Legend

○ 2010 SOTF Sample Location	Geomorphic Features	 Distributary Bar	 5 ft index contour
	 Sediment Fan	 Distributary Channel	 0.5 ft contour
	 Former Channel	 Sand/Gravel Splay	 Quarter Mile Section
	 Former Floodplain	 Side Channel	
	 Remnant Terrace/Upland	 Other	
	 Former Oxbow	 Thalweg	

Scale in Feet

0 400 800 1,600

N

FIGURE 5
SEDIMENT SAMPLING LOCATIONS - SOTF
Morrow Lake

ENBRIDGE LINE 6B MP 608
MARSHALL, MI PIPELINE RELEASE
ENBRIDGE ENERGY, LIMITED PARTNERSHIP

