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Mr. Chris Black
U.S. Environmental Protection Agency – Region 5
Waste, Pesticides, and Toxics Division
77 W. Jackson Blvd. DE-97
Chicago, IL 60604-3590

ENVIRONMENT

Subject:
Quarterly Progress Report No. 1
Revitalizing Auto Communities Environmental Response (RACER) Trust
Buick City Site
Flint, Michigan

Date:
October 14, 2011

Contact:
Christopher S. Peters,
P.G.

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810.225.1905

Email:
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Dear Mr. Black:

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, ARCADIS is submitting this Quarterly Progress Report No. 1 in accordance with Section VI (18b) of the RACER Trust's Administrative Order on Consent (Consent Order), Docket Number RCRA-05-2011-0024 for the Buick City Site located in Flint, Michigan (the Site), which was effective on September 29, 2011.

Our ref:
B0064410.2011 #5

Please note that in accordance with General Motors Corporation's Administrative Order on Consent Number R8H-5-00-02 for the North American Operations [NAO] Flint Operations Site (also known as Buick City) Quarterly Progress Reports No. 1 through 46 were submitted to the United States Environmental Protection Agency (EPA) documenting Site activities from January 1, 2000 through June 30, 2011.

This Quarterly Progress Report No. 1 covers the period of July 1, 2011 through September 30, 2011.

The following briefly summarizes the work performed and data collected, problems encountered, project schedule, and estimated percent complete for a list of activities.

1. Data Collected This Quarter

Attachment 1 provides sample locations, sampling dates, and associated analytes for each of the samples collected during this quarter. This data will be presented to the EPA in the 2011 Annual CMI Report, except as noted below.

1.1 Solid Samples

On September 12, 2011 sixteen soil samples were collected to further refine the vertical and horizontal extent of lead soil impacts identified at RFI -09-56. The samples were submitted for analysis of total lead.

1.2 Storm Sewer Water Samples

In July, August and September ARCADIS conducted the "NPDES Plus" Monitoring Program (NPMP) as described in the Corrective Measures Implementation (CMI) Work Plan. The NPMP consists of collecting monthly samples from the 11 Site storm sewers to monitor groundwater infiltrating into the Site storm sewers. The following 11 monitoring points were sampled as access allowed: MP001, MP002, MP003, MP004, MP005, MP006, MP007, MP009, MP010, MP011, and MP013. In addition during the August event samples were also collected from upgradient manholes MH 1-7, MH 3-51, MH 3-31, MH 4-21 and MH 13-14. The samples were submitted for analysis of metals, TSS, VOCs, low level mercury, cyanide, and/or PCBs.

From July to September 2011, as required per Part 1, Section A 2 in the current National Pollution Discharge Elimination System (NPDES) Permit No. MI0001597, weekly composite samples were collected from Monitoring Point 003A. The samples were submitted to the laboratory for analysis of total PCBs. This data will be included in the 2011 Yearly Pollutant Minimization Plan (PMP) for PCBs report, which will be submitted to the MDEQ as required in the NPDES permit.

1.3 Liquid Samples

On August 3, 2011 and September 21, 2011 samples were collected from the secondary containment at waste management units (WMU) # 4 and 5 to characterize the water for off Site disposal. This data will be included in WMU 4 and 5 Closure Report, which will be prepared and submitted to the MDEQ after the completion of closure activities.

August 31, 2011 groundwater was collected from AOI 09-B. In order to aid in the AOI 09-B system design for metals removal the groundwater was aerated and passed through a bag filter and samples of the water were submitted for laboratory analysis of select metals.

1.4 Oil Samples

On July 15, 2011 a sample was collected from the Outfall 003/004 BaySeparator to characterize the oil for disposal. The sample was submitted for PCB analysis.

On September 8, 2011 samples of the oil within the containment booms were collected from Outfalls 002, 003, and 005. The samples were submitted for PCB analysis. This data will be included in the 2011 Yearly PMP for PCBs report, which will submitted to the MDEQ as required in the NPDES permit.

2. Work Performed This Quarter

2.1 Routine Work

Task 1 Outfall 003/004 Oil Removal Systems

- Continued operations, maintenance, and monitoring (OMM) activities on the 003/004 system. Inspections are being performed 2 times per week to ensure that the system is running properly and to determine if any system modifications are warranted to optimize system performance.
- Performed cleanout of HDPE piping connecting vaults 3-6/4-6 to the BaySeparator system. Task was performed using a jet vacuum system.
- Coordinated field activities including cleanout of the BaySeparator component of the 003/004 treatment system.

Task 7 Enhanced Groundwater Monitoring

- Prepared for October 2011 Annual Groundwater Monitoring event.

Task 8 NPDES PLUS Monitoring

- Completed the monthly NPDES Plus Monitoring events for July, August, and September. Samples collected as part of this program are listed in Attachment 1.

Task 10 Maintain Select Surface Covers

- Performed the quarterly inspection of surface cover areas in September 2011.

Task 11 Lead Soil Removal

- Continued to coordinate with CSX to complete an access agreement needed to complete remediation activities.

Task 12 Agency Coordination/Negotiation, Reporting, Project Management

- Participated in regulatory agency calls and meetings.
- Submitted Quarterly Progress Report No. 46 to the EPA on July 15, 2011.

Task 13 Outfall 002/005 Oil Minimization & Investigation

- Continued inspections of booms placed in Outfall 005.
- Performed quarterly inspections of the P-traps.

General Regulatory Compliance Tasks

- Conducted inspections of Outfalls 002, 003, 004, and 005.
- Completed inspections and weekly NPDES sampling at MP003A. Samples collected are listed in Attachment 1.
- Completed inspections of Oil Interceptor #2.

2.2 Non - Routine Work

Task 1 Outfall 003/004 Oil Removal Systems

- Performed Site restoration activities (grading and seeding) for a second time to ensure full vegetation growth in the area. Seeding/grading was originally performed in May 2011 but sufficient vegetation growth was not achieved.
- Coordinated field activities including installation of safety railings at the 3-6 and 4-6 vaults and replacement of the manhole at 4-6 with vault doors.

Task 2 LNAPL Investigation

- Developed/Finalized LIF Investigation Work Plan for 2011 scope of work.
- Coordinated LIF investigation field event for October 2011.
- Developed NSZD work plan and began coordinating field event for implementation of NSZD work plan.
- Began planning transmissivity testing for select monitoring wells at the Site.

Task 3 LNAPL Recovery Bench and Field-Scale Testing

- Coordinated with bench-scale testing and treatability laboratories for analysis of LNAPL and groundwater samples.

Task 4 Operate Factory 10 LNAPL/GW System

- Completed system decommissioning.
- Coordinated final disposal of system waste.

Task 5 Operate Factory 36 LNAPL/GW System

- Completed system decommissioning.
- Coordinated final disposal of system waste.

Task 7 Enhanced Groundwater Monitoring

- Evaluated offsite access agreements for October 2011 annual sampling event.
- Coordinated the repair/replacement of Site monitoring wells in preparation for October 2011 annual sampling event.

Task 9 RCRA Closures, Well Abandonment, Restrictive Covenants, Resolve UST Issues

- Received Closure from the MDEQ for the Factory 36 WMU #1.
- Coordinated field events to implement the closure work plan for WMU 4 and 5.
- Submitted Southend WMU Closure work plan to MDEQ for review.

- Reviewed results of FOIA request submitted to the MDEQ last quarter. Prepared letter to MDEQ requesting that open LUST issues be transferred to RCRA corrective action for closure.

Task 10 Maintain Select Surface Covers

- Continued evaluation of surface cover options in regards to cost, effectiveness, and longevity of each cover options

Task 11 Lead Soil Removal

- Development of scope of work for lead soil remedial activities at AOI-9A
- Coordinated and performed field activities associated with lead soil delineation at AOI 09-B (former AC spark plug property).

Task 13 Outfall 002/005 Oil Minimization & Investigation

- Conducted boom study at Outfalls 002 and 004.

Task 14 Address 15 Areas of Subsurface LNAPL

- Completed system design for AOI 09-B MPE system.
- Coordinated construction effort to install AOI 09-B system including the development of bid package and review of qualified installation contactors.
- Completed draft air permit for AOI 09-B system.
- Completed draft permit application for water discharge of the AOI 09-B system to the City of Flint sanitary sewer.
- Installed well seals at each MPE well associated with the AOI-09 system.
- Performed metal analysis testing for MPE wells associated with the AOI-09 system.

3. Problems Encountered

Hydro seeding of the construction area surrounding the Outfall 003/004 treatment system was performed last quarter but sufficient vegetation did not take due to lack in rainfall over the summer months. The area was hydro seeded again in September to establish a sufficient amount of vegetation.

4. Project Schedule – Near-Term Milestone Activities Anticipated During the Next Quarter

4.1 Routine Work

Task 1 Outfall 003/004 Oil Removal Systems

- Continue OMM inspections of system.
- Perform cleanout of Bay Separator component of the treatment system and dispose of waste associated with the cleanout.

Task 4 Operate Factory 10 LNAPL/GW System

- This task has been completed. No additional activities are planned.

Task 5 Operate Factory 36 LNAPL/GW System

- This task has been completed. No additional activities are planned.

Task 7 Enhanced Groundwater Monitoring

- Perform annual groundwater monitoring event in October 2011
- Begin evaluation of analytical data associated with the October 2011 sampling event

Task 8 NPDES PLUS Monitoring

- Perform NPMP monitoring in October, November and December.

Task 10 Maintain Select Surface Covers

- Perform quarterly inspection of surface cover.

Task 11 Lead Soil Removal

- Continue to pursue access agreement with CSX to enable soil removal to occur.

Task 12 Agency Coordination/Negotiation, Reporting, Project Management

- Continue to participate in regulatory agency calls.
- Prepare Quarterly Report for submittal to the EPA.

Task 13 Outfall 002/005 Oil Minimization & Investigation

- Continue inspections of booms placed in Outfall 005 manholes.
- Continue quarterly P-trap inspections.

4.2 Non-Routine Work

Task 1 Outfall 003/004 Oil Removal Systems

- Perform installation of aluminum vault hatch door at manhole 4-6 component of the treatment system. Perform installation of safety railings

Task 2 LNAPL Investigation

- Perform Sitewide LIF investigation beginning in October 2011.
- Begin Outfall 003 boom investigation to identify sources of LNAPL infiltration into network.
- Install monitoring points and perform first quarter of NSZD study.
- Perform first quarter of transmissivity testing.

Task 3 LNAPL Recovery Bench and Field-Scale Testing

- Complete bench-scale testing.
- Begin evaluation of bench-scale data and report preparation.

Task 7 Enhanced Groundwater Monitoring

- Complete monitoring well repair and replacements.

Task 8 NPDES PLUS Monitoring

- Evaluate NPMP data and make recommendations regarding future sampling.

Task 9 RCRA Closures, Well Abandonment, Restrictive Covenants, Resolve UST Issues

- Continue closure activities at the Northend WMUs
- Begin closure activities at the Southend WMUs
- Finalize and record restrictive covenants for the Southend of the Site.
- Coordinate with MDEQ to transfer open LUST issues to RCRA Corrective Action.

Task 10 Maintain Select Surface Covers

- Select and install additional cover as required in the Southend of the Site.

Task 13 Outfall 002/005 Oil Minimization & Investigation

- Complete boom study at Outfalls 002 and 004.
- Evaluate final measures for Outfall 002 system.

Task 14 Address 15 Areas of Subsurface LNAPL

- Prepare schedule for AOI 09-B system installation activities.
- Begin construction of the AOI-9B LNAPL remediation system.
- Finalize and submit the air permit application for AOI-9B to the MDEQ.
- Finalize and submit the permit application for discharge of effluent to sanitary sewer to the City of Flint.

5. Estimated Percent Complete

Task 1 Outfall 003/004 Oil Removal Systems

- Outfall 003/004 Oil Removal System Installation – 100%
- Outfall 003/004 Oil removal System OM&M - Ongoing

Task 2 LNAPL Investigation

- LNAPL LIF Investigations – 30%
- Natural Source Zone Depletion Study – 5%

- Transmissivity Testing – 5%

Task 3 LNAPL Recovery Bench and Field-Scale Testing

- LNAPL Bench Scale Testing – 65%
- LNAPL Pilot Scale Testing – 33%

Task 4 Operate Factory 10 LNAPL/GW System

- Operate Factory 10 LNAPL/GW System Operation – 100%

Task 5 Operate Factory 36 LNAPL/GW System

- Operate Factory 36 LNAPL/GW System Operation – 100%

Task 7 Enhanced Groundwater Monitoring

- Groundwater Monitoring – Ongoing

Task 8 NPDES PLUS Monitoring

- NPDES PLUS Monitoring – Ongoing

Task 9 RCRA Closures, Well Abandonment, Restrictive Covenants, Resolve UST Issues

- Northend RCRA WMU Closures – 25%
- Southend RCRA WMU Closures – 5%
- Northend Restrictive Covenant – 0%
- Southend Restrictive Covenant – 80%
- Monitoring Well Abandonments – 0%
- UST Issue Resolution – Pending MDEQ review and approval of transfer

Task 10 Maintain Select Surface Covers

- Maintain Select Surface Covers – Ongoing
- Installation of Additional Surface Cover – Southend – 5%

Task 11 Lead Soil Removal

- Lead Soil Removal – 5%

Task 12 Agency Coordination/Negotiation, Reporting, Project Management

- RFI Phase I Report - 100%
- RFI Phase II Report - 100%
- Human Health Exposure Control EI Report - 100%
- CA 750 Report - 100%
- Revised Corrective Measures Proposal (CMP), May 1, 2008 – 100%
- Revised CMP Addendum No. 1 – 100%
- Southend Corrective Measures Implementation (CMI) Work Plan– 100%
- Revised CMP Addendum No.2 – Northend and Sitewide Groundwater-100%
- Revised CMP Addendum No. 2-1 – Response to EPA Comments - 100%

Task 13 Outfall 002/005 Oil Minimization & Investigation

- Outfall 002 Evaluation - 55%
- Outfall 005 Evaluation – 65%
- Outfall 002 Final Measure Implementation– 0%
- Outfall 005 Final Measure Implementation – 0%

Task 14 Address 15 Areas of Subsurface LNAPL

- Address 15 Areas of LNAPL – 3%

Task 15 LNAPL Recovery OM&M Followed by Secondary LNAPL Remediation

- LNAPL Recovery OM&M – 0%
- Secondary LNAPL Remediation – 0%

If you have any questions, please call me.

Sincerely,
ARCADIS



Christopher S. Peters, P.G.
Vice President

Copies:

Peter Quackenbush, Michigan Department of Environmental Quality, (via email)
William Yocum, Michigan Department of Environmental Quality (via email)
Flint Public Library
Grant Trigger, RACER Trust (via email)
Dave Favero, RACER Trust (via email)

Attachments:

Attachment 1 – Sample Summary for July 1, 2011 to September 30, 2011

ATTACHMENT 1

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
 BUICK CITY SITE
 SAMPLE SUMMARY FOR JULY 1, 2011 TO SEPTEMBER 30, 2011

Matrix: Liquid Samples (RCRA Water Samples - Waste Management Units [WMU] #4 and #5)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
WMU #4/5	RACER-WMU4&5-CotainW(080311)	8/3/2011	PCBs, TCLP metals, TCLP VOCs, TCLP SVOCs, RCI (Reacti	NA	NA	NA
WMU #4/5	WMU4&5-Containment Water (092111)	9/21/2011	VOCs, F-Scan VOCs, F-Scan SVOCs, method 8015 (Isobutanol, methanol, and n-butyl alcohol	NA	NA	NA
Matrix: Liquid Sample (Groundwater Sample collected from AOI 09-B for metals analysis)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
AOI - 9B	AOI 09-B-metals-pretreat(083111)	8/31/2011	T-Arsenic (method 200.8), T- Lead (method 200.8)	NA	NA	NA
AOI - 9B	AOI 09-B-metals-serate(083111)	8/31/2011	T-Arsenic (method 200.8), T- Lead (method 200.8)	NA	NA	NA
AOI - 9B	AOI 09-B-metals-treat(083111)	8/31/2011	T-Arsenic (method 200.8), T- Lead (method 200.8)	NA	NA	NA
Matrix: Oil (Outfall 003/004 Stormwater Treatment System - BaySeparator Oil)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
BaySeparator	003/004 Separator Oil (071511)	7/15/2011	Total PCBs	NA	NA	NA
Matrix: Soil (Samples surrounding RFI-09-56)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
RFI -09-56 Area	SB-09-68(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-68(3-5)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-56(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-61(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-62(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-62(3-5)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-63(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-63(3-5)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-64(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-64(3-5)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-65(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-65(3-5)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-66(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-66(3-5)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-67(0-2)	9/12/2011	Total Lead	NA	NA	NA
RFI -09-56 Area	SB-09-67(3-5)	9/12/2011	Total Lead	NA	NA	NA
Matrix: Storm Sewer Water (Monthly "NPDES Plus" Monitoring Program [NPMP] Sampling)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
MH 1-3	MP001_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 2-19	MP002_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 2-19	MP002_07142011 MS	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 2-19	MP002_07142011 MSD	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 3-3	MP003_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 5-6	MP005_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 6-2	MP006_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Outfall 007	MP007_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH11-7	MP009_071411	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	MP010_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Outfall 011	MP011_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 13-6	MP013_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	Duplicate-01_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Equipment Blank	Equip_Blank1_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Equipment Blank	Equip_Blank2_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Trip Blank	Trip_Blank_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Field Blank	Field_Blank_07142011	7/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 5-6	Outfall 005(072211)	7/22/2011	PCB	NA	NA	NA
Equipment Blank	ISCO_Blank_07222011	7/22/2011	PCB	NA	NA	NA
MH 1-3	MP001_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 2-19	MP002_0815011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 3-3	MP003_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 5-6	MP005_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 6-2	MP006_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA

ATTACHMENT 1

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE TRUST
 BUICK CITY SITE
 SAMPLE SUMMARY FOR JULY 1, 2011 TO SEPTEMBER 30, 2011

Matrix: Storm Sewer Water (Monthly "NPDES Plus" Monitoring Program [NPMP] Sampling)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
Outfall 007	MP007_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 11-7	MP009_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 11-7	MP009_08152011 MS	8/15/2011	Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 11-7	MP009_08152011 MSD	8/15/2011	Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	MP010_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 13-6	MP013_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	DUP001_08152011	8/15/2011	Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Equipment Blank	Equip_Blank_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Trip Blank	Trip_Blank_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Field Blank	Field_Blank_08152011	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 1-7	MH-1-7-Outfall001(08152011)	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 3-51	MH-3-51-Outfall003 (08152011)	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 4-21	MH-4-21-Outfall004 (08152011)	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 13-14	MH-13-14-Outfall0013 (08152011)	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 3-31	MH-3-31-Outfall003 (08152011)	8/15/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Equipment Blank	ISCO_Blank_08172011	8/17/2011	PCB	NA	NA	NA
MH 5-6	Outfall 005_08182011	8/18/2011	PCB	NA	NA	NA
Equipment Blank	ISCO_Blank_08182011	8/18/2011	PCB	NA	NA	NA
MH 1-3	MP001_0914011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 2-19	MP002_0914011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 3-3	MP003_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 5-6	MP005_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 6-2	MP006_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 11-7	MP009_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	MP010_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	MP010_09142011 MS	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	MP010_09142011 MSD	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Outfall 011	MP011_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 13-6	MP013_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
MH 10-5	DUP001_09142011	9/14/2011	Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Equipment Blank	Equip_Blank_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Trip Blank	Trip_Blank_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Field Blank	Field_Blank_09142011	9/14/2011	Low Level Total Mercury, Total Metals*, TSS, VOCs, Cyanide	NA	NA	NA
Equipment Blank	ISCO_Blank_09142011	9/14/2011	PCB	NA	NA	NA
MH 5-6	Outfall 005_09142011	9/14/2011	PCB	NA	NA	NA
Matrix: Storm Sewer Water (NPDES Sampling)						
Location-ID	Field Sample ID	Date Sampled	Analyses	Comments	Date EDD Received	Date Validated
MH 3-3	Outfall 003A (070611)	7/6/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A (071311)	7/13/2011	Total PCBs	NA	NA	NA
Equipment Blank	ISCO_Blank_07132011	7/22/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A (072411)	7/24/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(072611)	7/26/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(080211)	8/2/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(081211)	8/12/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(081611)	8/16/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(082611)	8/26/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(083111)	8/31/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(090711)	9/7/2011	Total PCBs	NA	NA	NA
MH 3-3	Outfall 003A(091311)	9/13/2011	Total PCBs	NA	NA	NA
Equipment Blank	ISCO Blank (09132011)	9/13/2011	Total PCBs	NA	NA	NA

Notes:
 NA Not Available
 * Metals analyzed for include: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Sb, Se, Ti, V, and Zn.
 VOCs Volatile Organic Compounds
 SVOCs Semi-Volatile Organic Compounds
 PCBs Polychlorinated Biphenyls
 TSS Total Suspended Solids
 RCI Reactivity, Corrosivity, Ignitability