

US EPA ARCHIVE DOCUMENT



Command and General Staff

August 29, 2012

Submerged Oil Site-Wide Monitoring



Late Summer Reassessment at NEBA Recommended Monitoring Locations (Poling)

- Target areas provided to Enbridge by EPA/MDEQ
- Locations from Ceresco Dam trestle upstream to MP 4.75 - complete
- Identified targets from MP 13.48 to Mill Ponds – complete today
- Identified targets from MP 20.25 to MP 36.5 - complete

GIS

Poling Data Review



GIS Review of LSR Poling Data

Submerged Oil Site-Wide Monitoring



Summer Reassessment of Locations Downstream of Morrow Lake Dam

- Reassessment commenced on Monday August 20 and completed on August 21
- Additional poling at three transects closer to ML Dam completed on August 24
- All locations poled are “nones” thus far
- Enbridge has not been given access permission from STS to pole locations closer to Dam due to FERC regulations

GIS

Poling Data Review



GIS Review of Poling Data Downstream of Morrow Lake Dam

Sediment Trap Monitoring



Status of Round 6 Monitoring for Phase I Traps

- Complete last week

Phase II Trap Status

- Evaluation of Current Conditions - complete
- Schedule
 - Phase II Baseline surveys including poling
 - MP 33.0 A
 - Ceresco
 - Delta A
 - MP 37.75 Islands



Submerged Oil Quantification



Oil Quantification Coring Program Status

- Update on status of pilot study schedule

Agitation Effects Study Results Status

- Update on status of agitation study results

Emerging Oil Management



Recurring Sheen and Sheen Responses - August 16, 2012 – August 21, 2012

- Ceresco (6) – including Control Point upstream to MP 5.25
- MP 37.75 (2) – phase 2 sed trap – islands in neck
- MP 37.9 (6) – south and north cove of Morrow Lake Fan
- MP 38.75 (5) – Morrow Lake near Indian Island

Recurring Sheen at Overbank Locations - August 16, 2012 – August 21, 2012

- MP 10.75 LDB (6) – Phase I sed trap – sheen appears to be coming from tree root system on undercut bank
- MP 33.10 RDB (3) – sheen observed at base of tree on RDB

Emerging Oil Management

Ceresco



MP5.75 LDB August 24, 2012



MP5.75 LDB August 27, 2012



Emerging Oil Management Morrow Lake



Morrow Lake South Cove
August 25, 2012



Morrow Lake August 25, 2012



Kalamazoo River

RI/RA Status

Source Area RA Schedule Update

- September 4, 2012 – Close of public comment period

Kalamazoo River RI

- Continuing discussions on end points



ENBRIDGE

Drawn: INS 08/03/2012
 Approved: BY: 08/03/2012
 Project #: 60246209

Map Location

Legend

- Line 6B Pipeline
- Vector Pipeline
- Sub-Unit Boundary
- Scrape Area
- Parcel Boundary
- Quarter Mile Grid Segments
- A-1 Release Division
- TC-A-001 Parcel Number

Map Location

Scale in Feet

FIGURE 2
 POTENTIAL SCRAPE AREAS
 SOURCE AREA

ENBRIDGE LINE 6B MP 608
 MARSHALL, MI PIPELINE RELEASE
 ENBRIDGE ENERGY, LIMITED PARTNERSHIP

Aerial Photography Date: April 2011