

US EPA ARCHIVE DOCUMENT



# Command and General Staff

September 5, 2012

# Submerged Oil Site-Wide Monitoring



## Late Summer Reassessment at NEBA Recommended Monitoring Locations (Poling)

- All target areas provided to Enbridge by EPA/MDEQ – complete pending EPA/MDEQ review of GIS poling data
- Live GIS review of LSR poling data for Mill Ponds

# Submerged Oil Site-Wide Monitoring



## Monitoring and Sampling Activities Scheduled for this Week

- Morrow Lake and Morrow Lake Delta Monitoring (poling)
- Walling Tube Sampling
- Surveying and Poling of Second Tier Sediment Trap Locations – Ceresco (bathymetry), 33.0A (poling), Delta A (bathymetry and poling)
- Poling (monitoring) of upstream and downstream E4 half curtains to resume upon completion of Morrow Lake and Morrow Lake Delta monitoring round

# Sediment Trap Monitoring



## Phase II Sediment Traps

### Phase II Trap Status

#### Baseline Poling Assessments

- MP 33.0 A- baseline bathymetric survey completed
- Delta A- commenced baseline bathymetric survey

#### Baseline Poling Assessments

- Ceresco- completed initial transects
- MP 33.0 A initial poling ongoing



Update of Schedule for Baseline Survey  
Work and CSD Installations - Enbridge

# Submerged Oil Site-Wide Monitoring



GIS Review of Baseline Poling Data From Ceresco

# E 4.0

## Alternative Containment System



### Velocity and Discharge Measurements

- Completed by USGS
- Update on work from last week



# 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 29, 2012 – September 4, 2012

- Ceresco (5) – including Control Point upstream to MP 5.0
- MP 37.9 (2) – south and north cove of Morrow Lake Fan
- MP 38.75 (3) – Morrow Lake near Rowe Island

## Recurring Sheen at Bank Locations - August 29, 2012 – September 4, 2012

- MP 10.75 LDB (3) – Phase I sed trap – sheen appears to be coming from tree root system on undercut bank
- MP 33.10 RDB (2) – sheen observed at base of tree on RDB – Enbridge considering sampling

# Emerging Oil Management

Ceresco



Ceresco Control Point, September 1, 2012



Ceresco Trestle August 30, 2012



# Emerging Oil Management

Ceresco



MP 5.5 LDB September 4, 2012



MP 5.75 LDB September 4, 2012



# Emerging Oil Management

## MP 21.5 & Morrow Lake



MP 21.5 Custer Road Bridge  
August 31, 2012



Morrow Lake August 31, 2012



# Kalamazoo River

## RI/RA Status

### Source Area RA Schedule Update

- Permit comment period closed - comments in review
- Expect to issue permit by September 7

### Kalamazoo River RI

- Discussing end points
- Reviewing need for additional work on unimpacted parcels

