

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Otsego Township Dam Area - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #39  
Progress  
Otsego Township Dam Area  
059B  
Otsego Township, MI  
Latitude: 42.4601694 Longitude: -85.7199333

**To:** Douglas Ballotti, EPA  
Samuel Borries, EPA  
Mike Ribordy, EPA  
Jim Saric, EPA  
Mark Mills, MDNR  
Polly Synk, MDAG  
Cyndi Trobeck, City of Otsego  
Valincia Darby, U.S. DOI

**From:** Paul Ruesch, OSC

**Date:** 4/13/2018

**Reporting Period:** 3/31/2018 - 4/13/2018

1. Introduction

1.1 Background

<b>Site Number:</b>	059B	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	4/6/2016
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	PRP Oversight
<b>Response Lead:</b>	PRP	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	NPL	<b>Operable Unit:</b>	5
<b>Mobilization Date:</b>	8/1/2016	<b>Start Date:</b>	8/1/2016
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	MID006007306	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	DEQ
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	059B

1.1.1 Incident Category

Time Critical Removal Action - PRP Oversight

1.1.2 Site Description

See PolRep #1

1.1.2.1 Location

See PolRep #1

1.1.2.2 Description of Threat

See PolRep #1

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See PolRep #1

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Removal operations in BRSA 7 continue with construction of a staging pad and access road into remaining grids. Restoration operations continue in BRSA 8. Removal of the temporary WCS was completed, and the Kalamazoo River is now free flowing through the site of the former Otsego Township Dam (see photo).

2.1.2 Response Actions During Reporting Period

BRSA 7

- Transportation and disposal of contaminated soils & sediments (utilizing the staging pad in BRSA 6);
- Removal of sheet piling from excavated stream tubes;
- Construction of a second stabilization pad for excavated river bank soils / sediments (see photo);
- Construction of access road to provide access into remaining grids and stream tubes; and
- Maintenance of stream tube protection measures and access roads.

#### BRSA 8

- Re-grading and restoration of riverbank grids;
- Dismantlement, cleaning and removal of WWTP (located in BRSA 9); and
- Removal of the stabilization pad (located in BRSA 9) and excess materials.

#### OVERALL SITE

- Transport/disposal of approximately 1357 tons of excavated soils to an EPA-approved landfill facility (see Section 2.1.4);
- Particulate monitoring (PM10) around the site perimeter with no sustained exceedance off site of particulates above the action level of 1.5 mg/m3;
- No sustained exceedances were observed in turbidity monitors;
- Treatment of approximately 35,200 gallons of contact water from contaminated grids and contaminated soils staging pads in on-site WWTPs located in BRSAs 6 & 9 (see Section 2.1.4). Sampling results from both WWTPs continue to show non-detect levels for PCBs in the treated discharge;
- Completed removal of the temporary WCS (see photo); and
- Restoration activities (grading, contouring) of area and river bed at area around former temporary WCS.

### **2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)**

See PolRep #1

### **2.1.4 Progress Metrics**

Both quantities during the reporting period ('Quantity' column) and totals to date ('Total' column) are included in the table.

<b>Waste Stream</b>	<b>Medium</b>	<b>Quantity</b>	<b>Total</b>	<b>Manifest #</b>	<b>Treatment</b>	<b>Disposal</b>
Cardboard	solid	50 lbs	1340 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	10 lbs	585 lbs	NA	recycling	Otsego Recycling Center
Steel	solid	20 lbs	29,700 lbs	various	recycling	Broken Arrow Recycling
Contaminated soil (< 50 ppm* PCBs)	solid	1357 tons (est)	47,988 tons(est)	various	disposal	Republic Ottawa County Farms Landfill, Coopersville, MI
Contaminated soil (> 50 ppm* PCBs)	solid	0 tons	103.91 tons	various	disposal	US Ecology Michigan, Belleville, MI
Contact water	liquid	35,200 gal	1,953,746 gal	NA	on-site WWTP	On-site reuse/discharge to Kalamazoo River

\*Note: 1 ppm = 1 mg/kg

## **2.2 Planning Section**

### **2.2.1 Anticipated Activities**

During the next reporting period, the following activities are expected to occur:

#### BRSA 6

- Staging pad and WWTP operations to support removal operations in BRSA 7.

#### BRSA 7

- Continue access road construction along riverbanks;
- Complete construction of a staging pad, load out area and temporary storage tanks for contact water;
- Continue excavation of contaminated riverbank soils and in-stream sediments;
- Treat contact water from contaminated grids, stream tubes and staging pad (located in BRSA 6);
- Complete removal of sheet piling; and
- Transport contaminated soils & sediments for disposal.

#### BRSA 8

- Re-construction and restoration of riverbanks.

#### BRSA 9

- Staging pad support for restoration operations in BRSA 8; and
- Removal of remaining materials located at staging pad.

#### SITEWIDE

- Operate dust and turbidity control/monitoring systems;
- Commence demolition of the auxiliary spillway (see Section 2.2.1.2); and
- Restoration of area surrounding the former temporary WCS and auxiliary spillway.

### **2.2.1.1 Planned Response Activities**

See Sections 2.2.1 & 2.2.1.2

#### 2.2.1.2 Administrative Activities / Next Steps

- A 'notice to proceed' is expected to be issued by the State of Michigan to commence demolition of the auxiliary spillway, which includes concrete base and side walls, sheet pile and grouted aggregate fill adjacent to the structure. This work is being conducted by Milbocker & Sons, Inc. under contract with the State of Michigan.

#### 2.2.2 Issues

- A transformer fire occurred near the BRSA 3 staging area on April 8. The incident resulted in interruption of power to the office trailer and firefighting water run-off impacting the staging area parking lot. The area was cleaned up by contractors to the power utility on April 9 & 10 in coordination with US EPA and MDEQ.

### 2.3 Logistics Section

See PolRep #1

### 2.4 Finance Section

No information available at this time.

### 2.5 Other Command Staff

#### 2.5.1 Safety Officer

A safety meeting is held prior to work start each day by on-site safety officer(s) from Envirocon & AMEC-FW.

#### 2.5.2 Liaison Officer

- A site tour was provided for the Mayor Cyndi Trobeck and City Manager Aaron Mitchell from the City of Otsego on April 4.  
- MDNR provided a presentation to students participating in the STREAM program at Otsego Middle School regarding the significance of dam removals in the Kalamazoo River on April 12.

#### 2.5.3 Information Officer

- Information was provided to a reporter from the Allegan News / Otsego Union Enterprise regarding site impacts from the transformer fire occurring on April 8 (see Section 2.2.2).

## 3. Participating Entities

### 3.1 Unified Command

### 3.2 Cooperating Agencies

See PolRep #1

## 4. Personnel On Site

On average, the following personnel were present on site during the reporting period:

USEPA - 1  
START - 1  
MDNR - 1  
MDEQ - 1  
Envirocon - 30  
Toads Tree Service LLC: 2  
Milbocker & Sons, Inc. - 7  
Spicer Group, Inc. - 1  
AMEC-FW - 2

TOTAL: 46

## 5. Definition of Terms

AMEC-FW	AMEC Foster Wheeler
BRSA	Bank Removal and Stabilization Area
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
NTU	Nephelometric Turbidity Unit
OSC	On Scene Coordinator
PCB	Polychlorinated Biphenyl
PM	Particulate Matter
PolRep	Pollution Report
PRP	Potentially Responsible Party
START	Superfund Technical Assessment & Response Team (US EPA contractor)
US EPA	United States Environmental Protection Agency
WCS	Water Control Structure
WWTP	Waste Water Treatment Plant

## 6. Additional sources of information

### 6.1 Internet location of additional information/report

<https://response.epa.gov/otsegodam>

[www.epa.gov/superfund/allied-paper-kalamazoo](http://www.epa.gov/superfund/allied-paper-kalamazoo)

### 6.2 Reporting Schedule

The next PolRep will be generated on April 27.

#### **7. Situational Reference Materials**

No information available at this time.