

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #43
Progress
Otsego Township Dam Area
059B
Otsego Township, MI
Latitude: 42.4601694 Longitude: -85.7199333

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Date: 6/8/2018

Reporting Period: 5/26/2018 - 6/8/2018

1. Introduction

1.1 Background

Site Number:	059B	Contract Number:	
D.O. Number:		Action Memo Date:	4/6/2016
Response Authority:	CERCLA	Response Type:	PRP Oversight
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	5
Mobilization Date:	8/1/2016	Start Date:	8/1/2016
Demob Date:		Completion Date:	
CERCLIS ID:	MID006007306	RCRIS ID:	
ERNS No.:		State Notification:	DEQ
FPN#:		Reimbursable Account #:	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 continue in BRSA 7 and restoration operations continue in BRSA 6, 8 & 9.

2.1.2 Response Actions During Reporting Period

BRSA 6

- Continued restoration of construction entrance & staging area; and
- Continue restoration (plantings) on river bank (see photo). All plastic pots from trees & shrubs are being recycled.

BRSA 7

- Excavation of contaminated soils and sediments continues (see photo) with confirmation results received in the riverbank grids and stream tube grids shown in Tables 1 & 2 below. There are 63 total river bank grids in BRSA 7, with each grid consisting of approximately 50 feet of riverbank. There are 3 stream tubes, with each varying in size. The target clean-up goal in riverbank soils is 5 mg/kg total PCBs and in-stream sediments is 1mg/kg total PCBs;
- Transportation and disposal of contaminated soils & sediments;
- Re-grading and restoration of excavated riverbanks; and
- Maintenance of stream tube protection measures.

BRSA 7 RIVERBANK GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION RESULT (Total PCBs, mg/kg)
43	24	0.11
44	24	1.6
45	24	0.34
46	24	< 0.032
47	12	0.34
48	12	< 0.034
49	12	0.56

Table 1. BRSA 7 Riverbank Grid Confirmation Sampling Results

BRSA 7 STREAM TUBE GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION RESULT (Total PCBs, mg/kg)
47	24	0.16
48	24	0.11
49	24	0.17

Table 2. BRSA 7 Stream Tube Grid Confirmation Sampling Results

General Table Notes: Confirmatory sampling takes place immediately following excavation of contaminated soils and/or sediments in accordance with procedures outlined in the FSP and the TM for BRSA 7 & 8. Both documents can be found in the 'Documents' Section of the project website. Stream tube grids are numbered consistent with the riverbank grid they are located adjacent to. A figure showing the location of both (preliminary) riverbank grids and stream tubes can be found on Figure 1-7 of the BRSA 7 & 8 TM.

BRSA 8

- Continue re-grading and restoration of riverbanks.

BRSA 9

- Removal of entrance off Jefferson Road (see photo); and
- Restoration of staging area.

OVERALL SITE

- Transport/disposal of approximately 1132 tons of excavated soils to an approved landfill facility (see Section 2.1.4);
- Dust control measures and particulate monitoring (PM10) around site perimeter with no sustained exceedance of particulates above action level of 1.5 mg/m3;
- In-stream turbidity monitoring with no sustained exceedances observed;
- Shipment of approximately 13,813 gallons of contact water from contaminated grids and/or contaminated soils staging pad at BRSA 7 to an approved off-site treatment facility (see Section 2.1.4);
- Completed construction of an irrigation system in all completed BRSAs for planted native plants/grasses; and
- Continued restoration activities (grading, contouring) of area at former temporary WCS, including construction of a new entrance off River Road.

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.

Waste Stream	Medium	Quantity	Total	Manifest #	Treatment	Disposal
Cardboard	solid	50 lbs	1490 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	100 lbs	735 lbs	NA	recycling	Otsego Recycling Center
Metals	solid	0 lbs	41,296 lbs	various	recycling	Broken Arrow Recycling
Contaminated soil (< 50 ppm* PCBs)	solid	1132 tons (est)	51,092 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	0 gal	2,013,046 gal	NA	on-site WWTP	On-site reuse/discharge to Kalamazoo River
Contact water	liquid	13,813 gal	30,758 gal	various	off-site WWTP	Liquid Industrial Waste, Holland, MI

*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

- Complete restoration of staging area; and
- Complete restoration of entrance to staging area off 19th Street.

BRSA 7

- Complete access road construction (using plastic mats) along riverbanks into remaining riverbank grids & stream tubes;
- Continue excavation of contaminated riverbank soils and in-stream sediments;
- Re-construct and restore riverbanks;
- Collect contact water from contaminated grids, stream tubes and staging pad in temporary storage tanks;
- Transport contact water from temporary storage tanks for treatment at off-site WWTP; and
- Transport contaminated soils & sediments for disposal.

BRSA 8

- Complete re-construction and restoration of riverbanks.

SITEWIDE

- Operate dust and turbidity control/monitoring systems;
- Continue irrigation of native trees/plants/grasses in restored areas;
- Commence river channel contouring with specialized excavator; and
- Continue restoration of area surrounding the former temporary WCS and auxiliary spillway and complete construction of public access / parking area off of River Road.

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 driveway permit was issued by Allegan County Roads Commission for a new entrance off of River Road into the BRSA 8 / former auxiliary spillway area on May 30 (see Section 2.2.1).
- AMEC-FW is addressing comments on the Post Removal Site Control Plan.

2.2.2 Issues

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. Site surveillance continues during weekends to discourage trespassing into work areas and restored river bank areas.

2.5.2 Liaison Officer

2.5.3 Information Officer

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 - 2
 MDNR - 1
 MDEQ - 1

Envirocon - 38
Grand Rapids Irrigation - 2
Milbocker & Sons, Inc. - 2
MJ VanDamme Inc. - 1
K & D Industries West Inc. - 1
Spicer Group, Inc. - 1
AMEC-FW - 2

TOTAL: 52

5. Definition of Terms

AMEC-FW	AMEC Foster Wheeler (Wood Group)
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

6.2 Reporting Schedule

The next PolRep will be generated on June 22.

7. Situational Reference Materials

No information available at this time.