

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #44
Progress
Otsego Township Dam Area
059B
Otsego Township, MI
Latitude: 42.4601694 Longitude: -85.7199333

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Date: 6/22/2018

Reporting Period: 6/9/2018 - 6/22/2018

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 were completed in BRSA 7. Restoration operations are ongoing in BRSAs 6, 7, 8 & 9.

2.1.2 Response Actions During Reporting Period

BRSA 6

- Continued restoration of construction entrance & staging area.

BRSA 7

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

BRSA 7 RIVERBANK GRID	TOTAL ESTIMATED EXCAVATION DEPTH (in)	FINAL CONFIRMATION RESULT (Total PCBs, mg/kg)
26	24	0.54
27	30	2.0
28	24	0.86
29	24	0.3
30	24	1.9
31	24	2.4
32	24	2.9
33	24	1.4
34	24	0.18
35	24	0.098
36	24	0.34
37	24	< 0.029
38	24	< 0.041
39	24	1.7
40	24	2.9
41	24	0.078
42	24	0.81

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)
28	6	0.8
29	6	0.95
30	6	0.26
31	6	0.18
32	6	0.45
33	18	< 0.063
34	12	0.13

Table 2. BRSA 7 Stream Tube Grid Confirmation Sampling Results

General Table Notes: Confirmatory sampling (see photo) takes place immediately following excavation of contaminated soils and/or sediments in accordance with procedures outlined in the FSP and the TM for BRSAs 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 restoration planting on riverbanks.

BRSA 9

- Completed restoration of staging area; and
- Allegan County installed new warning signage at former entrance off of Jefferson Road.

OVERALL SITE

- Transport/disposal of approximately 2067 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 11,370 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);
- Continue operation & maintenance of surface water run-off and erosion control measures;
- Continue irrigation of native plants/grasses in all completed BRSAs (see photo); and
- Continued restoration activities (grading, contouring, planting) of area at 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.

Waste Stream	Medium	Quantity	Total	Manifest #	Treatment	Disposal
Cardboard	solid	50 lbs	1540 lbs	NA	recycling	Otsego Recycling Center
Plastic	solid	100 lbs	835 lbs	NA	recycling	Otsego Recycling Center
Metals	solid	2980 lbs	44,276 lbs	various	recycling	Broken Arrow Recycling
Contaminated soil (< 50 ppm* PCBs)	solid	2067 tons (est)	53,159 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	11,370 gal	42,128 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

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

BRSA 7

- Re-construct and restore riverbanks;
- Demobilize temporary storage tanks; and
- Remove temporary stabilization pad.

BRSA 8

- Complete restoration of riverbanks.

SITEWIDE

- Remove & demobilize dust and turbidity control/monitoring systems;
- Complete construction of irrigation system for native trees/plants/grasses in restored areas;
- Demobilize office trailers at command center; and
- Continue 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

- Wood Group met with US EPA on June 19 to discuss the Post Removal Site Control Plan. A second draft will be submitted for agency review in late July.
- Wood Group and START are assembling project data and field reports and preparing final reports for the project.

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

The Otsego Middle School 7th & 8th graders participating in the STREAM program completed construction and delivery of six Wood Duck enclosures which will be installed in BRSA 7, 8 & 9.

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 - 39
Grand Rapids Irrigation - 2
MJ VanDamme Inc. - 1
K & D Industries West Inc. - 2
Spicer Group, Inc. - 1
Wood Group - 2
Toads Tree Service - 1

TOTAL: 53

5. Definition of Terms

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 July 6.

7. Situational Reference Materials

No information available at this time.