

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
DSC Leachate - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #2**
Emergency Removal Complete
DSC Leachate

Gibraltar, MI
Latitude: 42.1062807 Longitude: -83.1990592

To:
From: Jeffrey Lippert, On-Scene Coordinator
Date: 3/19/2016
Reporting Period: 3/19/2016 - 3/23/2016

1. Introduction

1.1 Background

Site Number:	B5QW	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	3/18/2016	Start Date:	3/18/2016
Demob Date:	3/24/2016	Completion Date:	3/23/2016
CERCLIS ID:	MID005320254	RCRIS ID:	
ERNS No.:		State Notification:	Yes
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

The site is a former steel mill, with operations including annealing, pickling, and cold rolling processes. The site contains four treatment ponds and four vaults along the perimeter of the DSC McLouth landfills. The steel mill waste landfills on site generate approximately 100,000 gallons of leachate per week. The leachate in the ponds was not being managed and was threatening the Frank & Poet Drain. The leachate was screened with the YSI and had a pH of 12.51 standard units (su). According to 40 CFR 261.22, a waste with a pH of 12.5 or greater is a characteristically hazardous waste for corrosivity.

1.1.2.1 Location

The site is located at 28000 West Jefferson Avenue in Gibraltar, Wayne County, Michigan in a mixed industrial and rural residential area, and is bordered by the Detroit River and undeveloped land to the east, commercial properties and radio towers to the north, the Frank and Poet Drain and Countywide Landfill to the west, and undeveloped land and Gibraltar Road to the south.

1.1.2.2 Description of Threat

Leachate ponds at the site were not being managed and were threatening to overflow and enter the Frank & Poet Drain. The leachate was screened with the YSI and showed a pH of 12.51 su. The Frank & Poet Drain is a tributary to the Detroit River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On March 17 EPA inspected the leachate ponds and found that the level of Pond 3 was within an inch of overflowing its banks.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA Removal mobilized ERRS on 3/18/16 and began removing leachate from the ponds.

2.1.2 Response Actions to Date

Between 3/18/2016 and 3/23/2016 EPA removed, treated and disposed of 610,000 gallons of leachate from the treatment ponds. A plug was reinstalled into the leachate outfall, preventing more leachate from entering the ponds.

All leachate removed was transported and disposed of at Advanced Resource Recovery in Inkster, Michigan.

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

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Disposal	Date
Waste Water	Liquid	10,000	7937754	ARR	3/18/2016
Waste Water	Liquid	10,000	7937786	ARR	3/18/2016
Waste Water	Liquid	10,000	7937785	ARR	3/18/2016
Waste Water	Liquid	10,000	7937784	ARR	3/18/2016
Waste Water	Liquid	10,000	7937783	ARR	3/18/2016
Waste Water	Liquid	10,000	7937782	ARR	3/18/2016
Waste Water	Liquid	10,000	7937781	ARR	3/19/2016
Waste Water	Liquid	10,000	7937780	ARR	3/19/2016
Waste Water	Liquid	10,000	7937779	ARR	3/19/2016
Waste Water	Liquid	10,000	7937778	ARR	3/19/2016
Waste Water	Liquid	10,000	7937777	ARR	3/19/2016
Waste Water	Liquid	10,000	7937776	ARR	3/19/2016
Waste Water	Liquid	10,000	7937775	ARR	3/19/2016
Waste Water	Liquid	10,000	7937774	ARR	3/19/2016
Waste Water	Liquid	10,000	7937773	ARR	3/19/2016
Waste Water	Liquid	10,000	7937772	ARR	3/19/2016
Waste Water	Liquid	10,000	7937771	ARR	3/20/2016
Waste Water	Liquid	10,000	7937770	ARR	3/20/2016
Waste Water	Liquid	10,000	7937769	ARR	3/20/2016
Waste Water	Liquid	10,000	7937768	ARR	3/20/2016
Waste Water	Liquid	10,000	7937755	ARR	3/20/2016
Waste Water	Liquid	10,000	7937756	ARR	3/20/2016
Waste Water	Liquid	10,000	7937757	ARR	3/20/2016
Waste Water	Liquid	10,000	7937759	ARR	3/20/2016
Waste Water	Liquid	10,000	7937760	ARR	3/20/2016
Waste Water	Liquid	10,000	7937761	ARR	3/20/2016
Waste Water	Liquid	10,000	7937762	ARR	3/20/2016
Waste Water	Liquid	10,000	7937763	ARR	3/20/2016
Waste Water	Liquid	10,000	7937764	ARR	3/20/2016

Waste Water	Liquid	10,000	7937765	ARR	3/20/2016
Waste Water	Liquid	10,000	7937766	ARR	3/21/2016
Waste Water	Liquid	10,000	7937767	ARR	3/21/2016
Waste Water	Liquid	10,000	7937758	ARR	3/21/2016
Waste Water	Liquid	10,000	7937787	ARR	3/21/2016
Waste Water	Liquid	10,000	7937799	ARR	3/21/2016
Waste Water	Liquid	10,000	7937798	ARR	3/21/2016
Waste Water	Liquid	10,000	7937797	ARR	3/21/2016
Waste Water	Liquid	10,000	7937796	ARR	3/21/2016
Waste Water	Liquid	10,000	7937795	ARR	3/21/2016
Waste Water	Liquid	10,000	7937794	ARR	3/21/2016
Waste Water	Liquid	10,000	7937793	ARR	3/21/2016
Waste Water	Liquid	10,000	7937792	ARR	3/22/2016
Waste Water	Liquid	10,000	7937791	ARR	3/22/2016
Waste Water	Liquid	10,000	7937790	ARR	3/22/2016
Waste Water	Liquid	10,000	7937789	ARR	3/22/2016
Waste Water	Liquid	10,000	7937788	ARR	3/22/2016
Waste Water	Liquid	10,000	7937803	ARR	3/22/2016
Waste Water	Liquid	10,000	7937802	ARR	3/22/2016
Waste Water	Liquid	10,000	7937801	ARR	3/22/2016
Waste Water	Liquid	10,000	7937800	ARR	3/22/2016
Waste Water	Liquid	10,000	7937865	ARR	3/22/2016
Waste Water	Liquid	10,000	7937866	ARR	3/23/2016
Waste Water	Liquid	10,000	7937867	ARR	3/23/2016
Waste Water	Liquid	10,000	7937868	ARR	3/23/2016
Waste Water	Liquid	10,000	7937869	ARR	3/23/2016
Waste Water	Liquid	10,000	7937870	ARR	3/23/2016
Waste Water	Liquid	10,000	7937871	ARR	3/23/2016
Waste Water	Liquid	10,000	7937872	ARR	3/23/2016
Waste Water	Liquid	10,000	7937873	ARR	3/23/2016
Waste Water	Liquid	10,000	7937874	ARR	3/23/2016
Waste Water	Liquid	10,000	7937875	ARR	3/23/2016

Regional Metrics				
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored			0
	Cubic yards of contaminated sediments removed and/or capped			0
	Gallons of oil/water recovered			0
	Acres of soil/sediment cleaned up in floodplains and riverbanks			0
Stand Alone Assessment	Number of contaminated residential yards cleaned up			0
	Number of workers on site			5
Contaminant(s) of Concern				pH
Oil Response Tracking				
Estimated volume	Initial amount released			N/A
	Final amount collected			N/A
CANAPS Info	FPN Ceiling Amount			N/A
	FPN Number			N/A
	Body of Water affected			N/A
Administrative and Logistical Factors (Place X where applicable)				
	Precedent-Setting HQ Consultations (e.g., fracking, asbestos)		Community challenges or high involvement	Radiological
	More than one PRP		Endangered Species Act / Essential Fish Habitat issues	Explosives
	AOC		Historic preservation issues	Residential impacts
	UAO	X	NPL site	Relocation
	DOJ involved		Remote location	Drinking water impacted
	Criminal Investigation Division involved		Extreme weather or abnormal field season	Environmental justice
	Tribal consultation or coordination or other issues		Congressional involvement	High media interest
	Statutory Exemption for \$2 Million		Statutory Exemption for 1 Year	Active fire present
	Hazmat Entry Conducted – Level A, B or C		Incident or Unified Command established	Actual air release (not threatened)
	CID confirms Criminal Charges Have Been Filed			

Green Metrics				
	Metric		Amount	Units
	Diesel Fuel Used		76	gallons
	Unleaded Fuel Used		50	gallons

Alternative/E-85 Fuel Used		0		
Electricity from electric company		0		
Electric Company Name and Account #		N/A		
Electricity from sources other than the electric company		N/A		
Solid waste reused		0		
Solid waste recycled		0		
Water Used		0		

2.2 Planning Section

2.2.1 Anticipated Activities

None.

2.2.1.1 Planned Response Activities

None.

2.2.1.2 Next Steps

None.

2.2.2 Issues

None.

2.3 Logistics Section

N/A

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Jeff Lippert

2.5.2 Liaison Officer

N/A

2.5.3 Information Officer

N/A

3. Participating Entities

3.1 Unified Command

N/A

3.2 Cooperating Agencies

MDEQ

City of Gibraltar

Wayne County

Detroit River Keeper

4. Personnel On Site

ERRS - 3

START - 1

5. Definition of Terms

EPA - Environmental Protection Agency

ERRS - Emergency and Rapid Response Team

START - Superfund Technical Assessment and Response Team

NCP - National Oil and Hazardous Substances Pollution Contingency Plan

NPL - National Priorities List

MDEQ - Michigan Department of Environmental Quality

MPC - Marine Pollution Control

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

SU - Standard Units

PRP - Potentially Responsible Party

ARR - Advanced Resource Recovery

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/dscleachate

6.2 Reporting Schedule

No further sitreps will be issued.

7. Situational Reference Materials

CERCLA

NCP