U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Former Wisconsin Die Cast Facility - Removal Polrep
Final Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #5**
Final
Former Wisconsin Die Cast Facility
C5ZB
Milwaukee, WI
Latitude: 42.9852820 Longitude: -87.9118670

To: Mike Ribordy, SFD
Samuel Borries, SFD
Richard Karl, SFD
Jason Lowery, WDNR
Linda Michalets, WDNR
Robert Thiboldeaux, WDHS
Karen Dettmer, City of Milwaukee
David Misky, City of Milwaukee

From: Kathy Halbur & Paul Ruesch, OSCs
Date: 6/18/2015
Reporting Period: 1/30/2015 - 6/3/2015

1. Introduction

1.1 Background

Site Number:	C5ZB	**Contract Number:**	EP-S5-08-02
D.O. Number:	0144	**Action Memo Date:**	8/12/2014
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	9/22/2014	**Start Date:**	9/22/2014
Demob Date:	5/27/2015	**Completion Date:**	5/27/2015
CERCLIS ID:		**RCRIS ID:**	None
ERNS No.:		**State Notification:**	WDNR
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category
Time Critical Removal Action

1.1.2 Site Description
The Site is a 2.8 acre lot with a 61,000 ft^2 abandoned industrial building, formerly occupied by Wisconsin Die Casting, LLC, in a mixed residential, commercial, and industrial area. The Site building remains vacant and has fallen into disrepair, with continuous and persistent trespassing by scavengers and vandals.

1.1.2.1 Location
The Site is located at 201 West Oklahoma Avenue in Milwaukee, Milwaukee County, Wisconsin.

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
Additional effort was made on the east side of the building to establish vegetation. Additional assessment and sampling was conducted underneath the building to determine if recoverable PCB oil was present and it may be migrating off Site. Data from this sampling were generated, analyzed and discussed with City of Milwaukee and State of Wisconsin representatives to determine next steps (see Section 2.2.2).

2.1.2 Response Actions to Date
Site activities during the final reporting period included the following:

- Re-seeded and installed erosion controls on the east side of the building;

- Investigated nature & extent of sub-surface contamination in floor drains and under the building foundation;
- Re-secured building windows, doors and perimeter gate; and
- Reviewed, tabulated & presented data from confirmatory sampling to RACM & WDNR (see Section 2.2.2).

In January 2015, EPA was requested by RACM & WDNR to conduct additional investigation of nature & extent of sub-surface contamination and propose next steps or additional activities to address potential off site migration. In April 2015, a ground penetrating radar (GPR) survey was conducted to attempt to identify the potential presence of liquids (PCB or solvent contamination) underneath the building. In May 2015, five borings were advanced through the floor of the building to an average depth of 15-20' to characterized sub-surface features and sample sediments. Though elevated levels of both VOCs and PCBs were found, no significant accumulations of contaminants (oils or solvents) were identified. See the figures in 'documents' section of website for details of data/results.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)
See POLREP #1

2.1.4 Progress Metrics (project totals)

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
Solid waste	solid	28.91 tons	various	disposal	landfill
Foundry brick	solid	71.62 tons	FWDC002-005	disposal	landfill
Asbestos-containing waste	solid	1.48 tons	FWDC001	disposal	landfill
Batteries	solid	111 lbs	000850111VES	recovery, disposal	recycling
Mercury switches	solid/liquid	5 lbs	16070400	recycling	recycling
Spent lamps (mercury)	solid/liquid	1407 lamps	000850111VES	recovery	recycling
PCB-contaminated soils	solid	23.2 tons	013140303JJK	disposal	landfill
Waste oil & other liquids	liquid	225 gal	000850111VES	recovery, disposal	treatment
Scrap metal	solid	9.4 tons	various	recovery	recycling
Paper & plastic	solid	50 lbs	NA	recycling	recycling

2.2 Planning Section

2.2.1 Anticipated Activities
Finalize, distribute and post final letter report with data tables & figures to website.

2.2.1.1 Planned Response Activities
See Section 2.2.2.

2.2.1.2 Next Steps
See Section 2.2.1 & 2.2.2.

2.2.2 Issues
A meeting was held between EPA, RACM & WDNR on June 3 to discuss sampling data and determine appropriate next steps. Based on consideration of the sub-surface sampling results, it was decided that no additional work under this removal action should be conducted. However, EPA would consider a request for additional time critical removal action(s) once the building was demolished if requested and warranted to address sub-surface issues.

2.3 Logistics Section

Site logistics were provided by EQM, Inc.

2.4 Finance Section

2.4.1 Narrative
ERRS TO ceiling: $300,000.00
START TDD ceiling: $60,000.00

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$300,000.00	$198,574.00	$101,426.00	33.81%
TAT/START	$60,000.00	$44,715.00	$15,285.00	25.48%
Intramural Costs				
Total Site Costs	$360,000.00	$243,289.00	$116,711.00	32.42%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

OSCs Kathy Halbur, Paul Ruesch and RM Mark Douglas served as safety officers. Daily safety briefings were held each day before the start of work.

2.5.2 Liaison Officer

OSCs Kathy Halbur & Paul Ruesch

2.5.3 Information Officer

OSCs Kathy Halbur & Paul Ruesch

3. Participating Entities

3.1 Unified Command

N/A

3.2 Cooperating Agencies

City of Milwaukee
- Redevelopment Authority (RACM)
- Health Department
- Police Department
- Fire Department
- Department of Neighborhood Services
- Public Works Department
- Water Department

State of Wisconsin
- Department of Health Services
- Department of Natural Resources

WE Energies

4. Personnel On Site

U.S. EPA - 2
ERRS (EQM, Inc.) - 2
START (TetraTech, Inc.) - 2

TOTAL - 6

5. Definition of Terms

EPA - Environmental Protection Agency
ERRS - Emergency & Rapid Response Services
GPR - Ground Penetrating Radar
HASP - Health and Safety Plan
MDNR - Milwaukee Department of Neighborhood Services
mg/kg - milligrams per kilogram
OSC - On scene coordinator
PCBs - Poly-Chlorinated Biphenyls
ppb - parts per billion
ppm - parts per million
RACM - Redevelopment Authority of the City of Milwaukee
RM - removal manager
START - Superfund Technical Assessment & Response Team
TCE - Trichloroethene
TDD - Technical Direction Document
TO - Task Order
VOCs - Volatile Organic Compounds
WDNR - Wisconsin Department of Natural Resources

6. Additional sources of information

6.1 Internet location of additional information/report

http://epaosc.org/WisconsinDieCast

6.2 Reporting Schedule

No further POLREPs will be issued. A final letter report with all data and figures will be posted to the 'documents' section of the website. An email will be sent to all project contacts once the final letter report and data sets/figures are posted to the website.

7. Situational Reference Materials

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	225
	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 (avg)	8
Contaminant(s) of Concern	waste oil (PCBs)	

Oil Response Tracking

Estimated volume	Initial amount released	NA
	Final amount collected	NA
CANAPS Info	FPN Ceiling Amount	NA
	FPN Number	NA
	Body of Water affected	NA; stopped potential release to MKE sewer system

Administrative and Logistical Factors (Place X where applicable)

	Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	X	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		NPL site		Relocation
	DOJ involved		Remote location		Drinking water impacted
	Criminal Investigation Division involved		Extreme weather or abnormal field season	X	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
X	Hazmat Entry Conducted – Level A, B or C		Incident or Unified Command established		Actual air release (not threatened)

Green Metrics

Metric	Amount	Units
Diesel Fuel Used	250	gallons
Unleaded Fuel Used	500	gallons
Alternative/E-85 Fuel Used	300	gallons
Electricity from Coal	Power from grid mix	kW
Electricity from solar/wind	Power from grid mix	kW
Electricity from grid/mix	1977	kWh
Solid waste disposed	10	Tons
Solid waste recycled	10	Tons
Water used	2000	Gallons