

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
ALRECO Metals - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #11
Progress
ALRECO Metals
C52N
Benton Harbor, MI
Latitude: 42.1389684 Longitude: -86.4362357

To:
From: Elizabeth Nightingale, OSC
Date: 2/16/2015
Reporting Period: 2/2/15-2/13/15

1. Introduction

1.1 Background

Site Number:	C52N	Contract Number:	EP-S5-09-05
D.O. Number:		Action Memo Date:	8/8/2014
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/10/2014	Start Date:	11/10/2014
Demob Date:		Completion Date:	
CERCLIS ID:	MIN000504648	RCRIS ID:	
ERNS No.:		State Notification:	Yes
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical Removal Action

1.1.2 Site Description

See initial POLREP.

1.1.2.1 Location

See initial POLREP.

1.1.2.2 Description of Threat

See initial POLREP.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See initial POLREP.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

1/31/15 - 2/9/15

There were no on site activities during this period, with the exception of a one day mobilization of two ERRS members to plow snow on 2/3/15.

We received lab analytical results back for the bench test that we ran to assess treatment options for the leachable cadmium detected in Pile 3. Two of the three additives tested sufficiently reduced leachable cadmium levels in Pile 3. The less expensive of the two effective additives (fly ash) was then ordered. Fly ash is a waste product produced from combustion of coal. Therefore, use of fly ash for treatment of Pile 3 allowed for reuse of a waste product that may otherwise not serve a useful purpose.

2/10/15 - 2/13/15

The crew remobilized to the site on 2/10/15. During the week of 2/10/15, work focused on the following activities:

- Receipt of cadmium treatment additive for Pile 3 delivery to site.

- Divided Pile 3 in half and mixed half of the treatment additive into half of the pile. 42 tons of fly ash have been mixed into the pile to date. Collected composite sample from the treated half of the pile and submitted it for lab analysis to verify that treatment successfully reduced leachable cadmium. Results are due back on 2/16/15.

- No waste from piles shipped off site this week. To date, 161 loads of this aluminum dross pile waste weighing approximately 4,171 tons have been shipped for disposal.

- The remainder of the baghouse dust waste was shipped for disposal this week. To date, 6 loads of this waste weighing approximately 49.83 tons have been shipped for disposal.

- Continued sorting non-conforming debris from Pile 3 and shipping non-conforming waste/debris offsite. To date, 16 loads weighing 169 tons have been disposed.

- 9 containers of grease and oily solids were approved for and disposed of with one of the non-conforming debris loads.

- Initiated and completed shipping of crushed pallets off site. Approximately 230 cubic yards shipped.

- Shipped 2 loads of scrap metal for recycling during this period. Approximately 44,060 pounds have been shipped off site to date.

- Continued temperature monitoring of waste piles & supersacks of baghouse dust.

- Waste shipped off site is cataloged in the waste metrics table below.

Air Monitoring

- Continued implementation of the air monitoring plan to ensure public and worker safety.

- Continuously monitored data from particulate and chemical monitors for compliance with established standards. Real-time data are transmitted back to the site command post where they are monitored continuously. Any exceedances are addressed immediately.

- Maintained a website (VIPER) with current and past perimeter air monitoring data. See Section 6.1 for instructions on accessing the website.

Particulate Air Monitoring:

Datarams (DR4) are deployed daily at four fixed locations in each direction along the site perimeter boundaries where off-site receptors are most at risk to exposure from fugitive emissions. The perimeter action level for PM-10 particulates has been set at a time weighted average (TWA) of 150 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), as established in 40 CFR Part 50, National Ambient Air Quality Standards (NAAQS).

One personal data ram (PDR) particulate air monitor is deployed daily in the work zone during the removal action. The particulate monitor will data-log instantaneous TWA particulate concentrations during active operations. Action level exceedances will be managed by setting the monitor to alarm at the established action level to notify on-site personnel. The particulate action level within the work zone has been established as 2.0 mg/m^3 for the respirable fraction of total particulates. This is a site specific action level based on a calculation of airborne dust concentration.

During the reporting period, one very brief exceedance of the perimeter action level for particulates was detected, but the TWA was not exceeded.

MultiGas Air Monitoring:

AreaRAE multi-gas monitors are being deployed at the container staging area and at 3 perimeter locations. The AreaRAE multi-gas monitors will be used to monitor ammonia in parts per million (ppm), hydrogen sulfide (ppm), VOCs (ppm), and percent lower explosive limit (LEL).

The perimeter action levels are as follows:

Ammonia = 10 ppm

Hydrogen Sulfide = 10 ppm

PM10 particulates = 150 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

LEL = >5%

VOCs > 5 ppm

Work zone air monitoring results are being compared with the National Institute for Occupational Safety and Health (NIOSH) 10-hour recommended exposure limit (REL) or the OSHA 8-hour time-weighted average (TWA) PEL, whichever is more restrictive.

A MultiRAE Plus 5-gas monitor (loaded with sensors for detection of oxygen, carbon monoxide, hydrogen sulfide, LEL, and VOCs) will also be used to periodically spot check AreaRAE data. Personal ammonia and hydrogen sulfide that alarm when action levels are exceeded also being utilized in the work zone.

During the reporting period, no exceedances of the perimeter multigas action levels were recorded and substantiated. One ammonia exceedance of the ammonia work zone action levels was detected but not sustained for more than a few seconds.

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

- General notice letters were issued to current and former owners of the property. Investigation is ongoing.

- EPA Civil Investigator support contractors were onsite collecting site related documents during the weeks of 1/26/15 and 2/10/15.

2.1.4 Progress Metrics

Recycling and Reuse:

Waste Stream	Medium	Quantity	Quantity Units	Quantity Estimated Or Final?	Recycling
Cardboard	Solid	26	pounds	final	Padnos
demolished clean wood pallets	Solid	230	yd3	final	Spurt Industries

mixed metal	Solid	44,060	pounds	final	Padnos
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Waste Stream	Medium	Quantity	Quantity Units	Quantity Estimated Or Final?	Reuse
Fly ash (cadmium treatment additive)	Solid	42	tons	final	Treatment of Pile 3 onsite

Disposal:

Waste Stream	Medium	Quantity (Tons)	Quantity Estimated Or Final?	Manifest #	Disposal
RCRA empty containers & debris	Solid	1	final	A5-156-01	Republic Forest Lawn
Aluminum Production Waste (Piles)	Solid	32.46	final	2954167	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	33.16	final	2954168	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	29.74	final	2954169	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	29.88	final	2954170	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	30.11	final	2954171	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.31	final	2954172	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.89	final	2954173	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.38	final	2954174	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.89	final	2954175	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.33	final	2954176	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.60	final	2954177	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.52	final	2954178	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.05	final	2954179	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.84	final	2954180	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.70	final	2954181	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.72	final	2954182	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.00	final	2954183	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	19.98	final	2954184	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.84	final	2954185	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.79	final	2954186	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.80	final	2954187	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.48	final	2954188	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.44	final	2954189	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.45	final	2954190	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.50	final	2954191	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	21.83	final	2954192	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.96	final	2954193	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.48	final	2954194	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.53	final	2954195	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.24	final	2954196	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.21	final	2954197	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.47	final	2954198	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.13	final	2954199	WM-Oak Ridge RDF (AL Monofill)

Aluminum Production Waste (Piles)	Solid	29.60	final	2954200	Monofill) WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.59	final	2954201	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.62	final	2954202	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.30	final	2954203	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.20	final	2954204	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	29.77	final	2954206	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.35	final	2954205	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.59	final	2954207	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.45	final	2954208	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.90	final	2954209	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.41	final	2954210	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	33.83	final	2954211	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.72	final	2954212	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.78	final	2954213	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.51	final	2954214	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.11	final	2954215	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.80	final	2954216	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.61	final	2954217	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.76	final	2954218	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.46	final	2954219	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.88	final	2954220	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.14	final	2954221	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Baghouse Dust)	Solid	8.03	final	2954118	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.63	final	2954222	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.36	final	2954223	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.18	final	2954224	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.93	final	2954225	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.05	final	2954226	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	29.56	final	2954227	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Baghouse Dust)	Solid	7.56	final	2954119	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.90	final	2954228	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.84	final	2954229	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.38	final	2954230	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.15	final	2954231	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.82	final	2954232	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.93	final	2954233	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.95	final	2954234	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.14	final	2954235	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.76	final	2954236	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.80	final	2954237	WM-Oak Ridge RDF (AL Monofill)

Aluminum Production Waste (Piles)	Solid	27.75	final	2954238	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.91	final	2954239	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.27	final	2954240	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Baghouse Dust)	Solid	7.86	final	2954121	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.24	final	2954241	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.41	final	2954242	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.84	final	2954243	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	30.34	final	2954244	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.51	final	2954245	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.83	final	2954246	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Baghouse Dust)	Solid	8.79	final	2954122	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.05	final	2954247	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.56	final	2954248	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.86	final	2954249	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.78	final	2954250	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.08	final	2954251	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.29	final	2954252	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.12	final	2954253	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.53	final	2954254	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.25	final	2954255	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.61	final	2954256	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.50	final	2954257	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	32.07	final	2954258	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Baghouse Dust)	Solid	14.09	final	2954123	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.88	final	2954260	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.08	final	2954261	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.13	final	2954262	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.95	final	2954263	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	18.34	final	2954264	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.41	final	2954265	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.81	final	2954266	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.61	final	2954267	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.98	final	2954268	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.78	final	2954269	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.68	final	2954270	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.50	final	2954271	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.47	final	2954272	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.30	final	2954273	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.73	final	2954274	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.06	final	2954275	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	29.21	final	2954276	WM-Oak Ridge RDF (AL Monofill)

Aluminum Production Waste (Piles)	Solid	23.34	final	2954277	Monofill) WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.58	final	2954278	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.07	final	2954279	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.91	final	2954280	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.47	final	2954281	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.64	final	2954282	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.34	final	2954283	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.35	final	2954284	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.94	final	2954285	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.68	final	2954286	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.53	final	2954287	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	10.12	final	T369107	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	28.25	final	2954288	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.76	final	2954289	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.21	final	2954290	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.73	final	2954291	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.56	final	2954292	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.49	final	2954293	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.00	final	2954294	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.66	final	2954296	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.71	final	2954297	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	28.01	final	2954298	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.05	final	2954295	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.35	final	2954299	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.60	final	2954300	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.27	final	2954301	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	25.63	final	2954302	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	29.22	final	2954303	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.87	final	2954304	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.74	final	2954305	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.80	final	2954306	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.87	final	2954307	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	10.62	final	T369108	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	11.48	final	T369109	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	27.03	final	2954308	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.16	final	2954309	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	22.98	final	2954310	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	12.28	final	T369110	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	27.04	final	2954311	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.40	final	2954313	WM-Oak Ridge RDF (AL Monofill)

Aluminum Production Waste (Piles)	Solid	22.73	final	2954312	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	7.86	final	T369111	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	26.66	final	2954314	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.28	final	2954315	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.30	final	2954316	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.45	final	2954317	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	8.46	final	T369112	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	25.15	final	2954318	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.58	final	2954319	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	9.65	final	T369113	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	27.45	final	2954320	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.54	final	2954321	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.20	final	2954322	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.42	final	2954323	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.82	final	2954324	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.16	final	2954325	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	9.11	final	T369114	WM-Westside RDF
Aluminum Production Waste (Piles)	Solid	25.74	final	2954326	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	27.05	final	2954327	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	24.65	final	2954328	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	13.24	final	T369115	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	11.80	final	T369117	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	16.51	final	T369116	WM-Westside RDF
RCRA empty containers & debris	Solid	3.00	est	1302015	Republic Forest Lawn
Non hazardous debris with incidental aluminum production waste	Solid	9.26	final	T369118	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	8.16	final	T369119	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	12.23	final	T369120	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	13.51	final	T369121	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste and grease and oily solids	Solid	4.66	final	T369122	WM-Westside RDF
Aluminum Production Waste (Baghouse Dust)	Solid	3.50	est	2954124	WM-Oak Ridge RDF (AL Monofill)

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

Please see initial POLREP for planned removal activities on-site.

2.2.1.2 Next Steps

The crew will remobilize to the site on 2/17. The crew will mix treatment additive into the second half of Pile 3 and take a confirmatory sample after treatment to ensure treatment was effective; begin disposal of the first half of Pile 3, assuming analytical results show that leachable cadmium was successfully treated; continue to work to dispose of containerized waste; and continue to ship non-conforming debris off for disposal.

2.2.2 Issues

2.3 Logistics Section

ERRS is managing site logistics.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

OSC is serving in this role.

2.5.2 Liaison Officer

OSC is serving in this role.

2.5.3 Information Officer

OSC is serving in this role.

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

MDEQ

4. Personnel On Site

- 2/3/15
 - EPA - 0
 - START - 0
 - ERRS - 2
- 2/10/15
 - EPA - 1
 - START - 1
 - ERRS - 7
 - MDEQ- 1
 - Enforcement Support Contractors - 2
- 2/11/15
 - EPA - 1
 - START - 1
 - ERRS - 5
- 2/12/15
 - EPA - 1
 - START - 1
 - ERRS - 5
- 2/13/15
 - EPA - 1
 - START - 1
 - ERRS - 5

5. Definition of Terms

ATSDR	Agency for Toxic Substances and Disease Registry
BZ	Breathing Zone
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
DNR	Department of Natural Resources
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ERRS	Emergency and Rapid Response Service
LEL	Lower Explosive Limit
MDEQ	Michigan Department of Environmental Quality
mg/m3	miligrams per cubic meter
NCP	National Oil and Hazardous Substance Pollution Contingency Plan
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priorities List
NRC	National Response Center
OSC	On Scene Coordinator
PPE	Personal Protective Equipment
PPM	Parts per million

RCRIS	Resource Conservation and Recovery Act Information System
RP	Responsible Party
RRT	Regional Response Team
START	Superfund Technical Assessment and Response Team
ug/m3	micrograms per cubic meter
US FWS	United States Fish and Wildlife Service
USCG	United States Coast Guard
VOC	Volatile Organic Compound

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epaossc.net/alreco>

Air monitoring data is posted real time at <http://vipet.ert.org>. Users need to create a login upon their first visit to the website. Once logged in, select *R05 ALRECO Metals Deployment* to view site data.

6.2 Reporting Schedule

POLREPs will be issued weekly over the course of the removal action.

7. Situational Reference Materials

No information available at this time.