

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #13  
Progress  
ALRECO Metals  
C52N  
Benton Harbor, MI  
Latitude: 42.1389684 Longitude: -86.4362357

**To:**

**From:** Elizabeth Nightingale, OSC; Jacob Hassan, OSC and Andy Maguire, OSC

**Date:** 3/9/2015

**Reporting Period:** 2/23/15-3/6/13

## 1. Introduction

### 1.1 Background

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

#### 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

##### 2/25/15 - 2/27/15 and 3/3/15-3/6/15

During the reporting period, work focused on the following activities:

- Completed the treatment of Pile 3 for leachable cadmium. Pile 3 was divided into 2 halves (Piles 3a and 3b). 104 tons of fly ash were mixed into the overall pile.

- Completed disposal of Piles 3a and 3b, after lab tests indicated that leachable cadmium had been adequately treated. Aside from a small amount that remains to be collected during spring foundation decontamination, all aluminum production waste has now been properly disposed of offsite. As of 3/4/15, 192 loads of this aluminum dross pile waste weighing approximately 5,160 tons had been shipped for disposal. Total quantities will be available in the next POLREP.

- Continued to arrange for disposal of the onsite containers (8 waste streams). Disposal is planned for the week of March 20th. Containers will be secured while the crew is offsite.

- Continued temperature monitoring of waste piles.
- 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 (µg/m3), 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/m3 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, brief exceedances of the perimeter action level for particulates were detected but did not exceed the TWA.

**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 (µg/m3)
- 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. No exceedances of the work zone action levels was detected.

**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	1144	pounds	final	Padnos
demolished clean wood pallets	Solid	230	yd3	final	Spurt Industries
mixed metal	Solid	44,060	pounds	final	Padnos

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	Quantity	Manifest	Disposal
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		(Tons)	Estimated Or Final?	#	
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	24.6	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	24.7	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	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	23.8	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	23.5	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	29.6	final	2954200	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	27.3	final	2954203	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	23.2	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)

Waste (Piles)					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	22.9	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	26.8	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	25.9	final	2954228	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	Solid	26.84	final	2954229	WM-Oak Ridge RDF (AL Monofill)

					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	26.8	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	27.5	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	Solid	24.41	final	2954265		WM-Oak



Waste (Piles)					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	23.5	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	25.3	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	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	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	23.6	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	24.8	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	26.4	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	24.3	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	27.2	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	11.8	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	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	4.43	final	2954124	WM-Oak Ridge RDF (AL Monofill)
Non hazardous debris with incidental aluminum production waste	Solid	6.55	final		WM-Westside RDF
				T369122	WM-Westside RDF
Non hazardous debris with incidental aluminum production waste	Solid	6.41	final	T369122	WM-Westside RDF
Aluminum Production Waste (Piles)	solid	24.18	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.36	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.95	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	25.22	final	604528IN	WM-Oak Ridge RDF (AL Monofill)

Aluminum Production Waste (Piles)	solid	23.87	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.24	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.53	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.55	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.71	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	26.21	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.71	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.81	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.88	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	23.03	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	25.08	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	26.13	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	25.10	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.94	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	25.09	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	25.13	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	23.32	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.91	final	604528IN	WM-Oak Ridge RDF (AL Monofill)
Aluminum Production Waste (Piles)	solid	24.56	final	604528IN	WM-Oak Ridge RDF (AL Monofill)

						Monofill)
Aluminum Production Waste (Piles)	solid	22.70	final	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.15	final	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.00	est	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.00	est	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.00	est	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.00	est	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.00	est	604528IN	WM-Oak Ridge RDF (AL Monofill)	
Aluminum Production Waste (Piles)	solid	25.00	est	604528IN	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.

All planned actions have been completed, with the exception of a small amount of foundation decontamination work.

#### 2.2.1.2 Next Steps

During the week of 3/9/15, the crew will demobilize equipment from the site.

We plan to remobilize to site the week of 3/20/15 to ship containers for disposal.

We also plan to do a brief remobilization back to the site after the snow melts to complete foundation decontamination that was not fully completed before snow fell in the area.

### 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

2/25/15

EPA - 1

START - 1

ERRS - 5

2/26/15

EPA - 1

START - 1

ERRS - 5

3/3/15

EPA - 1

START - 1

ERRS - 5

3/4/15

EPA - 1

START - 1

ERRS - 5

3/5/15

EPA - 1

START - 1

ERRS - 5

3/6/15

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/m<sup>3</sup> milligrams 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/m<sup>3</sup> 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.epaosc.net/alreco>



Air monitoring data is posted real time at <http://vipер.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**

The next POLREP will be issued after the crew has completed container disposal.

## **7. Situational Reference Materials**

No information available at this time.