

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Markham Dump - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #8
Final
Markham Dump
B5WK
Markham, IL
Latitude: 41.5979794 Longitude: -87.6728209

To:
From: Steven Faryan, On-Scene Coordinator
Date: 12/2/2011
Reporting Period: 6/23/2011 through 10/03/2011

1. Introduction

1.1 Background

Site Number:	B5WK	Contract Number:	EP-S5-09-05
D.O. Number:	0061	Action Memo Date:	3/11/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	4/11/2011	Start Date:	4/11/2011
Demob Date:	7/1/2011	Completion Date:	10/3/2011
CERCLIS ID:	ILN000510534	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Abandoned Open Dump

1.1.2 Site Description

See POLREP # 1-7

1.1.2.1 Location

See POLREP # 1-7

1.1.2.2 Description of Threat

See POLREP # 1-7

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See POLREP # 1-7

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

U.S EPA and the ERRS contractor, Environmental Restoration (ER), have staged, sampled and run HazCat analysis on 110 containers. The compatible waste groups: corrosive liquids, corrosive solids, acids, combustible liquids, base neutral liquids, and base neutral solids were composited in DOT approved containers. The disposal was awarded to Phillips Services who brokeered the waste to different facilities for disposal. Profiles were prepared and submitted for approval. The drums and containers were shipped off Site to Petro-Chem Processing Group in Detroit, MI. In total, approximately 1,500 gallons of liquid hazardous materials and approximately 900 pounds of solid hazardous materials were shipped off site.

The loading, transport and disposal of the treated soil was initiated on June 13, 2011, and was completed on June 23, 2011. A total of 2,474.71 tons of stabilized soil was transported and disposed of at Republic Services Newton County Landfill in Brook Indiana.

Confirmation samples were collected from the excavation area to determine the remaining levels of lead in the soil prior to backfilling. Additionally, screening of the soil with an Innovx XRF unit was performed to

determine metal levels in the soil. Some of the excavated grids were not able to be excavated to the industrial clean up standard of 800 ppm lead due to a perched groundwater table. An orange snow fence marker was put in place where the cleanup objective was not achieved and the area covered with clean fill. In total, 1,500 cubic yards of clean fill (provided by the City of Markham) were utilized in the excavation area. The excavation area was then seeded with grass and wild flower seed, also provided by the City of Markham.

All field personnel and equipment were decontaminated on Site and demobilized on July 1, 2011.

A press event was held on June 23, 2011, to provide a site update and prepare for close out of the U.S. EPA action and transition of the site back to the City of Markham. The City of Markham will continue to provide security and prevent dumping at the site and follow other provisions of the order they have agreed to with the Illinois Attorney General's office.

U.S. EPA has worked on developing maps, plot data and has worked with IEPA and the City of Markham to address Post Removal Site Control. IEPA has requested a full Remedial Investigation of the property and the samples collected by USEPA and screening with the XRF unit was plotted on maps to assist in the Remedial Investigation. Data collected from confirmation samples was QA/QC and maps provide to the City of Markham and IEPA on September 29, 2011

In addition, the final daily cost summary's and final invoices were reviewed and approved by US EPA On-Scene Coordinator on October 3, 2011. Site files were transferred to the Region 5 Records Center.

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

See Enforcement Confidential Section in Action Memo

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Special Waste, Stabilized Soil, Cut Drums, inorganic salts	soil	2016 tons	NA	On-Site Free 3% Free Flow 100	Republic Services, Newton County Landfill, Brook, Indiana
Waste, Toxic, Liquid, Corrosive, Inorganic, Arsenic	liquid	200 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Waste, Corrosive Liquid, Hydrochloric Acid	liquid	150 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Waste, Oxidizing solid, PGII	solid	165 pounds	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Waste, Toxic, Liquids, Organic, Lead	liquid	100 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Non DOT, Non RCRA Regulated Liquids	liquid	50 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Non DOT, Non RCRA Regulated Liquids	liquid	300 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Non DOT, Non RCRA Regulated Liquids	liquid	300 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Waste, Oxidizing, Solid, PGII	solid	660 pounds	008500312 JJK		Petro-Chem Processing Group,

					Detroit, MI
Waste, Toxic , Liquids, Organic, Lead	liquid	50 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI
Non DOT, Non RCRA Regulated Liquids	liquid	50 gallons	008500312 JJK		Petro-Chem Processing Group, Detroit, MI

R5 Priorities Summary		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	na
	Cubic yards of contaminated sediments removed and/or capped	na
	Gallons of oil/water recovered	na
	Acres of soil/sediment cleaned up in floodplains and riverbanks	na
Stand Alone Assessment	Acres Protected	4
	Number of contaminated residential yards cleaned up	0
	Human Health Exposures Avoided	1,000
	Number of workers on site	6

2.2 Planning Section

2.2.1 Anticipated Activities

None

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

Security measures such as security cameras and increased police activity have been put in place by the City of Markham. These are meant to prevent/deter future dumping on the property.

2.2.2 Issues

High Water table in the excavation area has prevented the removal of all of the lead and chromium contaminated soil to levels below the Industrial Standards. A marker fabric (snow fence) has been used to delineate the material left in place and clean fill has been graded over the area to prevent any direct contact threat. A deed restriction will have to be placed in the title by the City of Markham and any future development of the property will have to consider this in the planning and design. IEPA is working with the City of Markham to conduct a full Remedial Investigation of the property. This work will be conducted in 2012.

IEPA has a current order with the City of Markham for security at the site and this will be utilized to have the City place a deed restriction on the Title for the excavation area where some contamination will remain due to the high water table. The City of Markham will conduct additional Remedial Investigations of the property and will conduct this work under the existing order with the Illinois Attorney General and IEPA.

2.3 Logistics Section

NA

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Site HASP is on-site and daily safety plan meetings were conducted. The Site-specific HASP was modified to allow Level D personnel protection in the lead excavation zone. No dust was detected above action levels with personal data ram. Air Sample pumps were deployed to monitor dust and lead and chromium in the work zone. Lead and chromium results were received on air samples and results were below threshold limit values for lead and chromium. Lead blood samples will be collected from personnel at job end.

2.6 Liaison Officer

NA

2.7 Information Officer

2.7.1 Public Information Officer

A web site has been established on the US EPA Region 5 web site to keep the public and press informed on the progress of the removal action

2.7.2 Community Involvement Coordinator

A press event was held on June 23, 2011. IEPA, USEPA, the City of Markham and Illinois Attorney Generals office and Jesse Jackson Jr. congressional office were notified of the event and invited to participate. The Chicago Tribune was on site and will run an article on the clean up. IEPA attended the press brief along with the City of Markham and one of the Markham alderman.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

IEPA
Illinois Attorney General's Office
Village of Markham

4. Personnel On Site

all personnel was demobilized and the work covered in the POLREP was done in the office.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

IEPA Web Site: <http://www.epa.il.us/>
USEPA Web Site:

<http://www.epa.gov/region5/cleanup/markham/index.html>

6.2 Reporting Schedule

7. Situational Reference Materials

No information available at this time.