

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #7  
Markham Dump  
B5WK  
Markham, IL  
Latitude: 41.5979794 Longitude: -87.6728209

**To:**  
**From:** Steven Faryan, On-Scene Coordinator  
**Date:** 6/23/2011  
**Reporting Period:**

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	B5WK	<b>Contract Number:</b>	EP-S5-09-05
<b>D.O. Number:</b>	0061	<b>Action Memo Date:</b>	3/11/2011
<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>	4/11/2011	<b>Start Date:</b>	4/11/2011
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	ILN000510534	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

**1.1.1 Incident Category**  
Abandoned Open Dump

**1.1.2 Site Description**

See POLREP # 1-6

**1.1.2.1 Location**

See POLREP # 1-6

**1.1.2.2 Description of Threat**

See POLREP # 1-6

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

See POLREP # 1 -6

**2. Current Activities**

**2.1 Operations Section**

**2.1.1 Narrative**

**2.1.2 Response Actions to Date**

U.S EPA and EERS contractor 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, base neutral solids have been composited in DOT approved containers. The disposal was awarded to Phillips Services who will broker the waste to different facilities for disposal. Profiles were prepared and submitted for approval. The Drums and containers will be shipped the week ending July 1, 2011.

The loading, transport and disposal of the treated soil which initiated on June 13, 2011 has been completed on June 23, 2011. A total of 2300 tons of stabilized soil was transported and disposed of at Republic Services Newton County Landfill in Brook Indiana.

Samples will be collected from the excavation area and screening for lead and chromium will be conducted with Innovex XRF unit. Some of the excavated grids will not be able to be excavated to the industrial clean up standard of 800 ppm because a perched ground water table has been encountered. A marker will be placed on the areas where the clean up objective was not achieved and the area will be covered with clean fill. The clean fill will be transported in from a soil pile 2 blocks away on 159th street that the City of Markham has allowed USEPA to use. The placement of the marker and the backfilling of the excavation area will initiated on June 24, 2011

A press event was held on June 23, 2011 to provide a site update and prepare for close out of the USEPA 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.

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

See Enforcement Confidential Section in Action Memo

### 2.1.4 Progress Metrics

<b>Waste Stream</b>	<b>Medium</b>	<b>Quantity</b>	<b>Manifest #</b>	<b>Treatment</b>	<b>Disposal</b>
<b>Special Waste, Stabilized Soil, Cut Drums, inorganic salts</b>	soil	2016 tons	as if June 21, 2011	On Site Free 3% Free Flow 100	Republic Services, Newton County Landfill, Brook, Indiana

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

Continue disposal of all of the stabilized soil piles, cut drums, inorganic salts and debris. Schedule disposal of the drums and containerized waste with Phillips Services. Profiles have been prepared and are awaiting approval. The waste will be disposed of a several different facilities and CERCLA off-site compliance checks will be made once the facilities are identified. Purchase marker/barrier product and place in excavation area and cover with clean back fill.

Complete back fill and grading during the week ending July 1, 2011.

Demobilize all equipment, trailers and personnel (planned July 1, 2011)

#### 2.2.1.1 Planned Response Activities

Dispose of all of the drums and containers at a CERCLA compliant off-site facility. The excavation area will be backfilled with clean fill from a City of Markham sewer project that was completed 2 blocks from the site. The material will be transported to the site and used as a cover on the excavation area. The removal of the lead and chromium contaminated soil will be conducted to depth allowed by the intrusion of perched ground water. At that level the excavation will have to be stopped due to ground water and surface water filling the excavation area. It is projected that the 800 ppm Industrial standard for lead will not be achieved in the some of the grids in the excavation area. Snow fence or another type of marking material will be placed on those grids where levels of lead and chromium are above the industrial standards.

The City of Markham will be required to place a deed restriction detailing the area where the contaminated soil was not able to be removed. Any future development of this area will have to be planned to not disturb this soil unless it is removed and disposed of at a approved landfill. The City of Markham is planning to conduct a Phase II environmental assessment of the property to determine if any other contamination exists in the soil or ground water.

#### 2.2.1.2 Next Steps

Obtain profile approval and schedule disposal of all hazardous materials, treated waste, solids, cut containers and miscellaneous bottles, aerosol cans and other items. Phillips Services has been contracted to dispose of drums,containers and overpacks containing acid liquids, caustic liquids, oxidizers, dye, cleaning agents, oil and combustible liquids.

Grade, place marker barrier (snow fence) and backfill excavation with clean fill to prevent the direct contact threat. The City of Markham will allow use of the clean fill stockpiled on 159th and Western. Samples of the fill were collected and the pile was surveyed to determine volume. The fill was determined to be clean and will be used for the backfilling of the excavation area.

### 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 such as snow fence will be used to delineate the material left in place and clean fill will be 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 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.

## **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 are being conducted. HASP was modified to allow Level D personnel protection in the lead excavation zone. No dust has been detected above action levels with personal data ram. Air Sample pumps have been 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**

EERS: 1 Response Manager, 2 Equipment Operators, 1 Cost Accountant  
START: 1 on site as necessary  
USEPA: 1 OSC, Fields personnel on-site as necessary

## **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.