

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Blue Island Cumene Release - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #2
Final
Blue Island Cumene Release

Blue Island, IL
Latitude: 41.6550561 Longitude: -87.7030190

To: David Turner, MWRD

From: Paul Atkociunas, OSC

Date: 3/28/2013

Reporting Period: January 25 to March 28, 2013

1. Introduction

1.1 Background

Site Number:	Contract Number:	
D.O. Number:	Action Memo Date:	
Response Authority: CERCLA	Response Type:	Emergency
Response Lead: PRP	Incident Category:	
NPL Status:	Operable Unit:	
Mobilization Date:	Start Date:	1/24/2013
Demob Date:	Completion Date:	3/28/2103
CERCLIS ID:	RCRIS ID:	
ERNS No.:	State Notification:	
FPN#:	Reimbursable Account #:	

1.1.1 Incident Category

CERCLA Emergency

1.1.2 Site Description

The incident occurred at the Blue Island Phenol, LLC facility on January 24, 2013. The facility manufactures phenol. The facility receives benzene via rail car and process the material into phenol. Cumene and Cumene Hydroperoxide are intermediates of the production process. Per facility personnel, the spill volume of Cumene (75%) / Cumene Hydroperoxide (25%) was estimated at 300 gallons (2257 pounds) onto a gravel area within the facility property.

1.1.2.1 Location

The location of the incident was at the Blue Island Phenol, LLC facility located at 3350 W. 131st Street, Blue Island, Cook County, Illinois. The Site is located in a industrial / manufacturing area with the nearest residence approximately 1500 feet to the south.

1.1.2.2 Description of Threat

Cumene is flammable in presence of open flames and sparks. Cumene is very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation. Cumene hydroperoxide is combustible, toxic by inhalation, ingestion and skin absorption.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

OSC Atkociunas and Environmental Specialist David Turner with the Metropolitan Water Reclamation District of Greater Chicago (MWRD) conducted oversight on January 24, 2013. MWRD indicated that their agency has not documented a release of the material from the facility's outfall. The facility secured the release, neutralized the waste and was collecting / containerizing impacted gravel. Product was not observed within the trenches, sumps, or separators within the facility. OSC Atkociunas walked the perimeter of the facility and did not observe any releases.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On March 28, 2013, Blue Island Phenol, LLC transported six 55-gallon drums of hazardous waste solids (impacted soils) and one 85-gallon overpack of hazardous waste liquids (contaminated absorbents) for off-site disposal. The waste is to be incinerated at licensed Treatment, Storage and Disposal Facilities.

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

The incident occurred at the Blue Island Phenol, LLC facility. Impacted soils / waste was managed by facility personnel.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Waste Organic Peroxide, Type F Solid	Solid (Impacted Soils)	330 Gallons	011219246JJK	Incineration	Heritage, Liverpool, OH
Waste Organic Peroxide, Type F Liquid	Liquid (Impacted Absorbents)	85 Gallons	011219247JJK	Incineration	Tradebe, East Chicago, IN

R5 Priorities Summary		
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	0
	Acres of soil/sediment cleaned up in floodplains and riverbanks	0
Stand Alone Assessment	Acres Protected	.1
	Number of contaminated residential yards cleaned up	0
	Human Health Exposures Avoided	0
	Number of workers on site	10
Contaminant(s) of Concern	Cumene, Cumene Hydroperoxide	

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

None.

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

Metropolitan Water Reclamation District of Greater Chicago

4. Personnel On Site

ERRS / START Contract Support were not mobilized to the incident.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/BluelIslandCumene

6.2 Reporting Schedule

This is the Final PolRep for the Site.

7. Situational Reference Materials

No information available at this time.