

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Husky Lima Refinery Release - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #3
Continuation of Response Actions
Husky Lima Refinery Release

Lima, OH
Latitude: 40.7240000 Longitude: -84.1207000

To:
From: JJ Justice, On-Scene Coordinator
Date: 12/4/2009
Reporting Period: 11/25/09 to 12/2/09

1. Introduction

1.1 Background

Site Number:	Z5J4	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/22/2009	Start Date:	11/22/2009
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E10506	Reimbursable Account #:	

1.1.1 Site Description

See Initial POLREP.

1.1.1.1 Location

See Initial POLREP.

1.1.1.2 Description of Threat

See Initial POLREP.

1.1.2 Preliminary Removal Assessment/Removal Site Inspection Results

Minor sheening continues to be present on the Ottawa River primarily associated with runoff during rain events. Containment and sorbent pads and boom continue to be maintained to address and collect sheen on the River. One additional boom location has been added to the River to assist in the containment and recover of sheen.

Crews continue to assess areas downwind of the facility and document areas requiring remediation. Residences and commercial buildings that were heavily to moderately impacted are being washed with CitruSolv and then power washed. Sorbent pads are placed in the drip line of the houses to collect the oil that is removed from the structures.

Heavily stained areas in the Collett Park have been fenced off to be treated with Micro-Blaze to aid in the natural degradation of the residual oil. The fence will prevent contact and foot traffic in the area. The area will be assessed in the spring and any residual contamination will be removed via grass cutting or physical removal grass and soil.

Most of the headstones in Woodlawn Cemetery have been cleaned. Remaining headstones will require special procedures. Husky is consulting with specialists to determine what procedures can be used on older headstones to remove residual oil. After consultation with Allen County Health Department and ATSDR, visitors to the heavily impacted areas of the Cemetery will be supplied with booties and gloves as well as a user friendly MSDS and handwipes to eliminate contact with impacted vegetation. A Security Guard will supply the materials and collect any used materials upon visitors departure. Heavily and

moderately impacted areas (approximately 10 acres) will be treated with Micro-Blaze and granular fertilizer to assist in the natural degradation of the residual oil. Some areas may be fenced off to limit contact and foot traffic. All storm drains within the cemetery have been lined with sorbent booms. Husky will collect samples of water during rain events to evaluate run-off from impacted areas of Cemetery and effectiveness of containment and treatment efforts.

Additional areas that have been remediated included: all headstones in Gethsemani Cemetery, railroad overpass and slopes immediately downwind of the Tank 57 release, and one school.

Air and soil samples were collected on 11/24/09 from areas downwind of the release and in areas impacted by the deposition of petroleum. Initial air samples collected from areas immediately downwind and in the heaviest impacted areas identified detectable levels of benzene. Soil samples revealed the presence of some semi-volatile compounds in downwind impacted areas but the levels were similar or below concentrations found in areas not affected by the release from Tank 57. Review of the data by ATSDR, Allen County Health Department, USEPA, Ohio EPA and Husky Refinery determined that additional air samples should be collected on 11/26/09 in the heaviest impacted area (Woodlawn Cemetery) and in an area downwind of Husky Refinery. Review of this data indicated that benzene concentrations were below ATSDR preliminary screening levels in the areas of heaviest contamination and had dropped significantly from initial sampling from 16 parts per billion by volume (ppbv) to 0.45 ppbv. One additional soil sample was collected from a private residence and results indicated that concentrations of semi-volatile compounds were not above Ohio EPA direct contact standards.

2. Current Activities

2.1 Operations Section

2.1.1 Response Actions to Date

The following response actions have been taken:

- Established five collection points on the Ottawa River to contain and collect all free petroleum product.
- Continued talking calls from the Call Center to arrange for inspection and remediation of their properties, washing of vehicles and any other complaints or issues.
- Completed removing leaves and impacted vegetation from along the bank of the Ottawa River immediately downwind of the release.
- Completed cutting and removing impacted grass and vegetation from Collett Park and tree covered areas in Woodlawn Cemetery and fenced in areas to treatment with Micro Blaze.
- Continued assessing and delineating the extent of contamination and prioritizing the cleanup of impacted residential, commercial and public buildings.
- Completed street sweeping/washing of roadways and paths in Woodlawn Cemetery and Public Roads downwind of the facility.
- Established a center for treating any oiled/impacted wildlife. To date, Five animals (all family pets) have been washed, including: 2 ducks, 2 cats and 1 dog.
- Continuing to coordinate with Allen County Health Department and a private doctor to address any health related questions and concerns.
- Coordinating with the City of Lima and downwind Townships to deposit all community collected leaves from impacted areas to the Husky Facility for disposal.
- A total of 810 complaints have been received by the Husky call center regarding impacted properties.
- A total of 245 of 550 residential homes have been washed/remediated.
- A total of 5 commercial properties have been washed/remediated.
- A total of 937 vehicles have been washed.
- A total of 13 roll-off boxes of oil contaminated debris have been transported off-site for disposal at County Environmental of Wyandot in Carey, Ohio.
- All recovered liquids will be treated and processed at the Husky Refinery.

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

See Initial POLREP.

2.2 Planning Section

2.2.1 Anticipated Activities

Husky Refinery is implementing a remediation plan with USEPA and Ohio EPA oversight with actions that include:

- Cleaning residues from hard surfaces, collecting the wash water for disposal at the facility.
- Mowing/raking of impacted vegetation that will be collected for disposal.
- Install physical barriers to limit access to areas of heaviest contamination where physical removal is not effective.
- Application of Micro Blaze, a bio-remediation agent comprised of surfactants and non-pathogenic Bacillus bacteria to remove and degrade remaining oil.
- Mechanical decontamination of impacted road surfaces.
- Maintain collection points on Ottawa River.
- All homes and businesses in the impacted area will be contacted in person, by phone and or mail to discuss and address any concerns and to arrange for cleanup of all affected areas.
- Test plots of grass and soil will be set up in a controlled environment to test the effectiveness of the Micro Blaze treatment.
- Collect water samples from run-off at Woodlawn Cemetery.

- Collect wipe samples from cleaned surfaces of playground equipment and residential homes in heavy, moderate and minimally impacted areas.

Oversight of continuing removal actions will be overseen by Ohio EPA. USEPA will continue to provide assistance as needed.

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

USEPA, Ohio EPA and Husky Energy, Inc.

3.2 Cooperating Agencies

ATSDR, Allen County Health Department, Allen County Emergency Management, City of Lima Fire Department.

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.