

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
HOVENSA DCU Vapor Release - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: POLREP #3
HOVENSA DCU Vapor Release
A263
Christiansted, VI
Latitude: 17.7078390 Longitude: -64.7466520

To:
From: Cris Donofrio, On Scene Coordinator
Date: 12/21/2010
Reporting Period: 12/20/10

1. Introduction

1.1 Background

Site Number:	A263	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Assessment
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	12/10/2010	Start Date:	12/9/2010
Demob Date:		Completion Date:	
CERCLIS ID:	VID980536080	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category
Emergency Response

1.1.2 Site Description
Release of vaporized coker intermediate to the atmosphere. Fallout from the release impacted cars, structural surfaces and potentially residential cisterns.

1.1.2.1 Location
1 Estate Hope
Christiansted, St Croix, US Virgin Islands

1.1.2.2 Description of Threat
Coker residue fallout potentially impacting residential cisterns.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results
Approximately 220 homes/other structures, one school, one daycare and several businesses affected by the release.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

EPA continues oversight of response activities with the VIDPNR, VIDOH. Two members of the USCG Atlantic Strike Team (AST) continue to assist EPA in oversight of HOVENSA operations. HOVENSA continues its efforts in conducting the following activities:

- further assessment of the impact zone;
- disconnection of potentially impacted cisterns;
- cleaning of roofs and other structures/surfaces as required;
- reconnection of cisterns upon completion of roof cleaning;
- issuance of car vouchers for cleaning of impacted vehicles;
- drinking water distribution; and
- continuation of public outreach.

See SITREPs 1 and 2 for additional information.

Dwayne Harrington (OSC) has taken over field oversight responsibilities as of 1300 hours on 12/18/10 until 1/4/11. Cris D'Onofrio remains the OSC of record.

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

The potentially responsible party (PRP) is HOVENSA. EPA issued a Field Notice of Federal Interest to HOVENSA on 12/15/10 to inform them of the intent for cost recovery.

2.1.4 Progress Metrics

No incidents or injuries reported today.

EPA has requested Lawrence Livermore National Laboratory's National Atmospheric Release Advisory Center (NARAC) to run an air model analysis based on the HOVENSA calculations of materials released on 12/9/10. The objective of this request is to estimate the airborne concentrations that were experienced by area residents during the incident and better understand the potential exposures that occurred as a result of the release. The NARAC release projections were received today. EPA is currently evaluating the data and will consult with NARAC for interpretation of projection results relative to the Unified Command-Selected DOE Protective Action Criteria (PACs) for petroleum coke.

EPA cistern confirmatory samples were shipped to ERT/SERAS for analysis; HOVENSA samples were shipped to Louisiana State University (LSU) for analysis; results expected on or around December 28.

The EPA RST contractor has been demobilized; no remobilization is planned at this time. The USCG AST continues to assist EPA in oversight activities.

HOVENSA operations for 12/20/10 as follows:

Response teams working in Clifton Hills to inspect roofs for oil spotting, communicate response efforts, disconnect/reconnect downspouts, and distribute drinking water.

To date, the following work has been reported:

282 residences contacted in and near impact zone; contact pending for 6 residences inside the impact zone.

255 roofs inspected to date; 179 confirmed impacted; 89 cleaned and 90 remain to be cleaned.

19 roofs inspected today; 11 impacted and 19 roofs cleaned at 12 residences.

2,865 gallons of water distributed at established sites (Animal Shelter and the Original Pentecostal Church). Four special needs homes provided delivery of water.

88 calls received at the call center to date – no new calls today.

118 car wash vouchers have been distributed; 43 cleaned.

2.2 Planning Section

2.2.1 Anticipated Activities

Completion targets as follows: 12/26 for roof cleaning completion; 12/31 vehicle cleaning; 12/28 for transition to cistern cleaning if needed, pending sampling results.

Analytical results are expected by end of week of 12/20 or early the week of 12/27/10. Samples were shipped yesterday, so delays in this schedule may be experienced depending on impact of high shipping volumes due to the holiday season.

2.2.1.1 Planned Response Activities

Unified Command is currently developing a plan to identify triggers for transition to a Project Team for cistern cleaning if needed.

2.2.1.2 Next Steps

Continue roof cleaning and assessment activities.
Determine the need to clean cisterns based on analytical results.

2.2.2 Issues

2.3 Logistics Section

Researching/identifying additional cleaning solution (Simple Green) required to sustain operations.

2.4 Finance Section

2.4.1 Narrative

N/A

2.5 Other Command Staff

2.5.1 Safety Officer

All operations will conform to the following regulations:

Title 29, Part 1910 of the Code of Federal Regulations, *Occupational Safety and Health Standards* (with special attention to Section 120, *Hazardous Waste Operations and Emergency Response*)

Title 29, Part 1926 of the Code of Federal Regulations, *Safety and Health Regulations for Construction*

National Institute for Occupational Safety and Health / OSHA / USCG / EPA *Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities*

2.6 Liaison Officer

N/A

2.7 Information Officer

2.7.1 Public Information Officer

The EPA Public Affairs Division PAD is being regularly updated on response oversight efforts. A statement from the Regional Administrator was released on 12/15/10. Positive response was recieved from the press/community in regards to this statement and the EPA oversight effort.

2.7.2 Community Involvement Coordinator

N/A

3. Participating Entities

3.1 Unified Command

HOVENSA

VI DPNR

VI TEMA

US EPA

3.2 Cooperating Agencies

ATSDR has been contacted for assistance by DOH and EPA. ATSDR will be assisting as needed to evaluate the potential health effects via inhalation and ingestion pending constituent analysis of coker product samples.

4. Personnel On Site

EPA OSCs	1
HOVENSA	68 + (varies)
VI DPNR	1
VI DOH	1

5. Definition of Terms

N/A

6. Additional sources of information

6.1 Internet location of additional information/report

US Coast Guard - National Pollution Fund Center

<http://www.uscg.mil/npfc/default.asp>

US Environmental Protection Agency - Region 2

<http://www.epa.gov/Region2/>

6.2 Reporting Schedule

Weekly over long term; daily as needed.

7. Situational Reference Materials

N/A