

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Cabin Creek Amoco BP Gasoline Release - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region III

**Subject:** POLREP #2  
Cabin Creek Amoco BP Gasoline Release  
  
Richmond, VA  
Latitude: 37.5965300 Longitude: -77.5938649

**To:**  
**From:** Christine Wagner, OSC  
**Date:** 3/16/2010  
**Reporting Period:** 3/15/10-3/16/10

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	<b>Contract Number:</b>
<b>D.O. Number:</b>	<b>Action Memo Date:</b>
<b>Response Authority:</b> OPA	<b>Response Type:</b> Emergency
<b>Response Lead:</b> EPA	<b>Incident Category:</b>
<b>NPL Status:</b>	<b>Operable Unit:</b>
<b>Mobilization Date:</b>	<b>Start Date:</b> 3/12/2010
<b>Demob Date:</b>	<b>Completion Date:</b>
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>
<b>FPN#:</b> E10304	<b>Reimbursable Account #:</b>

#### 1.1.1 Incident Category

Oil Spill

#### 1.1.2 Site Description

Gas Station (formerly Amoco, now BP)

##### 1.1.2.1 Location

Intersection of Gaskins Road and Patterson Avenue, Henrico County, VA

##### 1.1.2.2 Description of Threat

Discharge to Cabin Creek, a tributary to Deep Run Creek and the James River

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

For complete information regarding the spill discovery, refer to POLREP #1. EPA cleanup actions continue at the Site on a 24-hour basis. However, night shift operations will cease as of 0700 on 3/17/10. EPA is in the process of transitioning the responsibility for cleanup actions back to the Responsible Party's contractor.

Once EPA, VDEQ, and Henrico Fire determine that the emergency phase of the cleanup is over, EPA will demobilize its contractors on Site.

EPA Region III OSC Jack Kelly is on scene this week to assist OSC Wagner.

#### 2.1.2 Response Actions to Date

EPA initially responded on 3/5/10 to assist VDEQ with oversight. Because gasoline odors were detected

several days later, EPA increased the Agency's presence at the Site. On 3/12/10, VDEQ requested EPA take over cleanup actions until the emergency was mitigated. For more specific information regarding activities between 3/5/10 and 3/12/10, refer to POLREP #1.

24-hour operations continue. These operation consist of maintaining a vacuum on the underground tank pit to ensure that product and vapors do not migrate offsite. Vac operations are intended to keep the water in the pit at stable groundwater levels (30-40 inches). A manifold system is attached to the vac truck which allows the operator to draw from a series of observation and recovery wells on the property. The gas station remains closed during these operations.

While vac operations are continuing, VDEQ's contractor, VISTA, continues to perform 24-hour air monitoring at downgradient points. Four blowers are installed downgradient. Two of these are directly across from the Site where Cabin Creek exits the culvert from the intersection of Gaskins Road and Patterson Avenue. Another blower is installed at the restaurant where gasoline vapors were previously reported. A fourth blower is installed behind a residential area on Walbrook Drive. A reference map is included on this website.

Operations during this period are focusing on transitioning cleanup operations back to the RP's contractors. B&C Contracting and Baird Equipment Company mobilized a liquid ring dual-phase stationary vacuum unit. The discharge from this unit is pumped to a frac tank staged on the gas station property. VDEQ representatives provided B&C a point of contact for Henrico County Water Department to apply for a permit for potential discharge to the sanitary sewer system.

Also, Baird began application of an approved surfactant into the pit under controlled conditions. Baird discharged 650 gallons of BioSolve into the tank pit. While this operation was occurring, EPA's contractor, Guardian, had personnel staged at two areas of Cabin Creek to ensure that no foam entered the stream. No foam from the product was detected visually. Also, an upgradient monitoring point was checked and no product was detected in this location. These findings indicate that the added surfactant is following the preferred path of the gasoline. A Material Safety Data Sheet (MSDS) for this product was provided by the manufacturer and can be accessed on the website. OSC J. Kelly coordinated with the EPA NCP Product Schedule representative to discuss the use of this product for this purpose.

Concrete cutting operations continued on the gas station property. Shallow trenches are being excavated so that any vacuum lines can be slightly buried so that the gas station can reopen.

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

EPA is working closely with Uppy's, the owner of the gas station, Baird Equipment Company, the company which installed the tanks, and the onsite representative for the insurance company. The OSC has determined that the responsible parties are cooperating with EPA and at this time, an enforcement instrument is not necessary to ensure compliance.

### 2.1.4 Progress Metrics

<i><b>Waste Stream</b></i>	<i><b>Medium</b></i>	<i><b>Quantity</b></i>	<i><b>Manifest #</b></i>	<i><b>Treatment</b></i>	<i><b>Disposal</b></i>

Wastes are being disposed by Atlantic Recovery. EPA is awaiting estimates on disposal.

## 2.2 Planning Section

### 2.2.1 Planned Response Activities

24-hour vac operations will continue. GES is working with B&C and Atlantic to ensure vac operations are not stopped at any time. Two vac trucks are rotating, with a third truck on standby. Two frac holding tanks are also staged on Site.

24-hour stream monitoring operations continue including pumping of a recovery drum on Cabin Creek.

EPA and VDEQ are working with the RP to develop a transition plan to allow the RP to operate a liquid ring vacuum system to eliminate the continual presence of vac trucks on Site. This will allow the gas station to reopen

VDEQ will be the lead agency for any Site remediation and cleanup.

#### 2.2.1.2 Next Steps

24-hour operations will continue.

24-hour vac operations will continue.

24-hour air monitoring will continue,

Vac operations will be incrementally switched from the vac trucks to the liquid ring system.

On 3/17/10, EPA and VDEQ will evaluate the need for the continued presence of EPA's contractors on scene. EPA will remain on scene in an oversight role.

#### **2.2.2 Issues**

24 hour operations continue..

EPA is in the process of transitioning the cleanup back to the RP and their contractors.

Polrep #1 listed "Gold Crew" as the product to be used as the surfactant in the tank pit. This product was replaced by "BioSolve" on 3/16/10 because the Gold Crew product was not immediately available.

### **2.3 Logistics Section**

- Air Monitoring Equipment
- Vista
- Air Blowers and Generators
- Vista
- Vac Truck
- Atlantic Recovery
- Booms/Pads/Spill Control
- B&C
- Backup vac truk and spill Control
- Guardian

### **2.4 Finance Section**

No information available at this time.

### **2.5 Other Command Staff**

#### **2.5.1 Safety Officer**

- Primary SSO
- OSC Chris Wagner
- Backup SSO
- Carl Duffy, Guardian

#### **2.6 Liaison Officer**

#### **2.7 Information Officer**

##### **2.7.1 Public Information Officer**

Roy Seneca 215-814-5000

##### **2.7.2 Community Involvement Coordinator**

Vance Evans 215-814-5000

## **3. Participating Entities**

### **3.1 Unified Command**

- Incident Command
- Henrico County Fire Marshal's Office

Virginia Department of Environmental Quality'

- Valerie McGee - Project Manager
- Lisa Elizardo
- Dale Berryman
- John Spangler

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EPA

- Chris Wagner
- Dominic Ventura
- Jack kelly

RP

- Peter Baird, Baird Equipment Company
- James Bowers,Uppys
- Jim Rothrock, Chartis Insurance

### **3.2 Cooperating Agencies**

Henrico County Public Utilities

Mr. Freddie L. Thompson has been assigned as the USCG National Pollution Funds Center Case Officer for this Site.

**4. Personnel On Site**

See sign-in sheet maintained on site

**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**

An MSDS for BioSolve is included under "Documents" on the main web page.

A map showing the relationship of Walbrook Drive to the gas station is also posted on the main website.