

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
National Fireworks Operable Unit 2 - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #2
Initiation of Time-Critical Removal Action
National Fireworks Operable Unit 2
A4EQ
Cordova, TN
Latitude: 35.1620360 Longitude: -89.7460040

To:
From: Keriema Newman, RPM
Date: 11/17/2010
Reporting Period: November 8 - 12, 2010

1. Introduction

1.1 Background

Site Number:	A4EQ	Contract Number:	
D.O. Number:		Action Memo Date:	6/7/2010
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	2
Mobilization Date:	11/8/2010	Start Date:	
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

Site Description

See POLREP #1 for site description and background information.

Current Activities

RPM traveled to site the week of November 8, 2010 to oversee the beginning of the removal activities at the National Fireworks OU2 site. Present for the PRP, Security Signals was their contractor ENSAFE. Personnel present from ENSAFE conducting the field work included Allison Harris, Jason Broughton, and Robert Bailey.

Soil sampling was conducted at the test pit of Anomaly B1 on Tuesday November 9th. Anomaly B1 is the area where shop waste was discovered at the site. During the excavation of the test pit, shop wastes were observed in the soil. Heavy stained soil with metal fragments and petroleum odors were present as well as old rags.

For simplicity, the samples are referred to as samples 1 through 5 and the actual sampling nomenclature has not been included. A photoionization detector (PID) was used at each sample location. PID readings were recorded. The sampling strategy involved stepping out or offsetting 5 feet outside of sampling location if PID readings warranted. During the sampling event, sampling locations 2 and 3 were altered based on PID readings. Sample 2 was offset 20 feet and sample 3 was offset 10 feet.

Five sampling locations were identified. Subsurface soil samples were collected at depths of 3 feet and 6 feet at 4 (locations 1 through 4) of the locations using hand augers. At the fifth location (which was located in the middle of the test pit), one subsurface soil sample was collected at a depth of 11 feet.

Subsurface samples were sent off to be analyzed for VOCs, SVOCs, and metals. At each location, the VOCs were collected first using the ENCORE sampling device. After the volatile samples were collected, the soil sample (at each location and depth) was homogenized using a clean stainless steel bowl and spoon. After the soil sample was adequately homogenized, an 8-oz jar (for SVOCs) and a 4-oz jar (for VOCs) were collected.

Present for the PRP, Security Signals was their contractor ENSAFE. Personnel present from ENSAFE conducting

the field work included Allison Harris, Jason Broughton, and Robert Bailey.

Planned Removal Actions

The proposed action is designed to address two areas, buried live pin flares (Anomaly B2) and suspected waste shop disposal area (Anomaly B1), identified at the Security Signals facility. The removal action and disposal of materials will be conducted in a manner that complies with all state, local, and federal regulations including established quality assurance/quality control protocols.

The proposed removal actions consist of excavation and off-site disposal of approximately 190 in-place cubic yards of materials. The suspected metal shop waste excavation is estimated at 20 feet by 20 feet by 6 feet. The pin flare removal area is estimated at 25 feet by 25 feet by 4 feet. Actual excavation depths will be determined in the field, and will be based on analytical results from the confirmation sampling.

Next Steps

EPA, TDEC, and the PRP Security Signals Inc., will review the sampling results from Anomaly B2 to further define the extent of the excavation. The excavation activities are scheduled to begin the week of 12/6/10.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The Site is undergoing a RI and being managed by the PRP. Phase II of the RI included excavating anomalies identified previously during the geophysical survey of Screening Area A. Three of the anomalies proved benign and un-remarkable. One trench located an area of shop waste with strong organic chemical odors, heavily stained soil and metal fragments. The other trench uncovered an ordnance disposal area. The ordnance consists of small, two-inch long, live magnesium flares manufactured for the US Navy in 1987.

2.1.2 Response Actions to Date

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

This Site is not listed on the NPL, but the Site is being managed as a Superfund Alternative Site. The PRP, Security Signals Inc. signed an Administrative Order on Consent (AOC) to conduct a Remedial Investigation / Feasibility Study (RI/FS) at OU2. The AOC was effective May 2007. The AOC allows for the removal activities to be completed under the current AOC.

2.1.4 Progress Metrics

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

2.2 Planning Section

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

TDEC project manager, Jerrel Moore was also present on site during the sampling activities.

4. Personnel On Site

EPA: Keriema Newman

TDEC: Jerrel Moore

ENSAFE: Allison Harris, Jason Broughton, and Robert Bailey

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.