

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 HMM Landfill Fire - Removal Polrep  
 Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region VI

**Subject:** POLREP #1  
 Initial  
 HMM Landfill Fire  
  
 Shreveport, LA  
 Latitude: 32.5241445 Longitude: -93.8027598

**To:** Lawrence Stanton, EPA HQ  
 Ronnie Crossland, EPA R6 Superfund  
 Riche Bryan, LDEQ

**From:** John Martin, OSC  
**Date:** 6/21/2014  
**Reporting Period:** 06/19/2014 - 06/21/2014

## 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> CERCLA   |  | <b>Response Type:</b>          | Emergency |
| <b>Response Lead:</b>               |  | <b>Incident Category:</b>      |           |
| <b>NPL Status:</b> Non NPL          |  | <b>Operable Unit:</b>          |           |
| <b>Mobilization Date:</b> 6/20/2014 |  | <b>Start Date:</b>             | 6/19/2014 |
| <b>Demob Date:</b>                  |  | <b>Completion Date:</b>        |           |
| <b>CERCLIS ID:</b>                  |  | <b>RCRIS ID:</b>               |           |
| <b>ERNS No.:</b> 1086612            |  | <b>State Notification:</b>     |           |
| <b>FPN#:</b>                        |  | <b>Reimbursable Account #:</b> |           |

**Site Description:** The Harrelson Materilas Management (HMM) landfill is a Type III construction and demolition debris/woodwaste landfill. The facility is currently not accepting material following a cease and disist order issued to HMM by the LDEQ on 16 June 2014. Visible material present on-site include vegetative debris, construction debris consisting of wood and concrete, and at least one area of asphalt shingles. The area surrounding the facility includes vacant lands to the west, south, and east. A residential area is located north of the facility, with Interstate Highway 220 (I-220) separating the facility and the neighborhood.

**Location:** Harrelson Materials Management landfill, 1101 Russell Road, Shreveport, Caddo Parish, Louisiana.

**Description of Threat:** A sub-terranean fire reignited on 16 June 2014. The Shreveport Fire Department (SFD) in on-scene 24-hrs/day attempting to extinguish "hot spot" areas encountered along the north and western areas of the landfill. A concern to nearby residences and on-site workers (HMM employees and SFD personnel) exists from the release of incomplete combusions products and airborne particulate matter.

## 2. Current Activities

### 2.1 Operations Section

The EPA Region 6 Preparedness and Response Branch became aware of the situation on June 19 from media inquiries and discussions with local and state officials.

On June 20, the EPA Response Duty Officer (OSC Martin) was activated to the scene to assit LDEQ with air monitoring activities. The OSC and EPA START contractor arrived on-scene at about 1800 and after receiving a situational briefing from the on-scene SFD personnel and from the owner/operator, the EPA Team conducted air monitoring activities at the facility and nearby neighborhood.

|             | 20 June 2014<br>2000 - 2100 hours |   | 21 June 2014<br>0700 - 0800 hours |   | 21 June 2014<br>1200 - 1300 hours |   |
|-------------|-----------------------------------|---|-----------------------------------|---|-----------------------------------|---|
|             | Location of Air Monitoring        |   |                                   |   |                                   |   |
| Contaminant | HMM<br>Landfill                   | Nearest<br>Residence<br>(1700 block<br>Bonnie St. ) | HMM<br>Landfill                   | Nearest<br>Residence<br>(1700 block<br>Bonnie St. ) | HMM<br>Landfill                   | Nearest<br>Residence<br>(1700 block<br>Bonnie St. ) |
|             |                                   |   |                                   |   |                                   |   |

|                  |                 |                 |                 |                 |                 |                 |
|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| CO               | 0 ppm           |
| VOCs             | 0 ppm           | 0 ppm           | 0 ppm           | 0 ppm           | 0.2 ppm         | 0.3 ppm*        |
| HCN              | No data         | < DL (0.05 ppm) |
| HCl              | < DL (1.00 ppm) |
| H <sub>2</sub> S | 0 ppm           |
| Phosgene         | < DL (0.05 ppm) |
| VC               | No data         | No data         | < DL (0.30 ppm) |

< less than; **ppm** parts per million; **DL** detection level; **VC** vinyl chloride; the PEL for particulates is 5,000 micrograms per cubic meter.

\* This location was upwind at the time of the reading, therefore, the source was most likely not the landfill.

## 2.2 Planning Section

**Anticipated Activities:** Based upon the initial rounds air monitoring results, the EPA OSC and the START will depart the landfill. Monday 23 June, EPA will coordinate any further assessment activities with the LDEQ.

**Issues:** Resolution of a more permanent solution to extinguish the landfill fire will need to be decided.

## 2.3 Logistics Section

n/a

## 2.4 Finance Section

No information available at this time.

## 2.5 Other Command Staff

n/a

## 3. Participating Entities

### Cooperating Agencies

EPA Region 6  
Louisiana Department of Environmental Quality (LDEQ)  
City of Shreveport Fire Department  
Harrelson Materials Management, Inc. owner/operator

## 4. Personnel On Site

n/a

## 5. Definition of Terms

n/a

## 6. Additional sources of information

n/a

## 7. Situational Reference Materials

n/a