

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Durant Metal Shredding Fire - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #3
POLREP 3
Durant Metal Shredding Fire
A6CC
Durant, OK
Latitude: 33.9831545 Longitude: -96.3555473

To:
From: Nicolas Brescia, OSC
Date: 9/10/2011
Reporting Period: 9/10/2011

1. Introduction

1.1 Background

Site Number:	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: 9/6/2011	Start Date: 9/6/2011
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification: 09/06/2011
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

1.1.2 Site Description

Durant Metal Shredding (DMS), LLC is a recycling company in Durant, Oklahoma. DMS specializes in crushing and shredding car parts.

1.1.2.1 Location

DMS is located 2.5 miles South East of Durant, Oklahoma.

1.1.2.2 Description of Threat

A large pile of shredded automobile fluff caught on fire from a lightning strike and burned creating a large plume of smoke. The size of the piles on fire was determined to be 40 feet tall, 50 yards wide and 120 yards long. The plume was migrating over and near several residential areas. Multiple residents reported inhalation issues from the fire.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

OSC Brescia and OSC Todd responded to the site and met with the Durant Fire Chief, ODEQ, the Responsible Party and the Durant Emergency Manager. Upon initial assessment, no air monitoring was being conducted by the RP. OSC Brescia instructed START to begin air monitoring outside of the facility following the plume, along the perimeter to determine VOC and particulate concentrations. START began air monitoring downwind of the facility to determine if any public health threat existed. OSC Brescia and ODEQ requested that the RP begin air monitoring on site and off site for VOCs and particulates. The RP contracted an environmental contractor to extinguish the fire and to provide air monitoring support. EPA and ODEQ requested the RP to create a air monitoring/sampling plan for the duration of the incident. Upon the assessment of the pile, it was determined that a small percentage of the air fluff could contain brake pads with asbestos. OSC Brescia instructed START to obtain asbestos sampling capability for three locations in the area. Upon request of Durant Emergency Management, OSC Brescia instructed START to also conduct three vacuum asbestos samples at three residences downwind of the plume.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

EPA and ODEQ continued to received the RP air monitoring data for VOC's and particulates downwind of the plume. All data readings from the operational period are reported to be below the EPA ERT recommended threshold of 1 PPM for VOCs and 65 Micrograms/Cubic Meter. Asbestos samples were analyzed and it was determined that no significant counts were found at the off-site air sampling locations.

RP response contractor continued the application of water and fire suppressant to the smoldering piles at a 75 GPM rate. Crews continue to utilize heavy equipment to decompact the smoldering piles in effort to reduce the overall height in order to better control the internal temperature of the piles.

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

Currently no significant VOC or particulate readings have been detected beyond the perimeter of the facility. The RP will continue to conduct 24-hour air monitoring until no smoke plume is present migrating outside of the facility.

2.1.4 Progress Metrics

RP contractors have reported significant progress. The RP has reported the fire is approximately 80-85% extinguished and that they expect the fire to be completely extinguished within the next 48 to 72 hours. EPA has observed significant reductions in the plume in the last 24 hours.

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

2.2 Planning Section

2.2.1 Anticipated Activities

RP is following the air monitoring/sampling plan put into place.

2.2.1.1 Planned Response Activities

EPA START will remain onsite to evaluate and assist the RP with air monitoring operations. EPA START will also be conducting random monitoring offsite per the OSC. Residential asbestos sample results will be available on September 13, 2011.

2.2.1.2 Next Steps

Continue to review air monitoring data provided by the RP. RP has informed OSC that the main fire should be extinguished in the next 24 hours.

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

No information available at this time.

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.