

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Desler/Plywood Mill Asbestos Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region X

Subject: POLREP #4
Removal Activities Continue
Desler/Plywood Mill Asbestos Site
10HG
Sweet Home, OR
Latitude: 44.4030587 Longitude: -122.7176838

To:
From: Daniel Heister, On-Scene Coordinator
Date: 11/2/2009
Reporting Period: November 2 - 7, 2009

1. Introduction

1.1 Background

Site Number:	10HG	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	10/12/2009	Start Date:	10/12/2009
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action

1.1.2 Background

The Desler/Plywood mill asbestos site is located at 2210 Tamarack St, Sweet Home, Oregon. The plywood mill, which consisted of the current areas of interest, was in operation from 1959 to 1994, and included many if not all stages of the lumber refining process including wood treatment. Currently the property consists of approximately 153 acres upon which are located two log ponds and several small creeks that flow east to west across the site towards the South Santiam River, located approximately 2,500 feet west of the site. The site is surrounded to the north and northwest by residential homes, the closest of which are located approximately 50 feet north of the site, immediately across Tamarack Street. To the west and south of the site are several commercial and industrial facilities, and to the east are unimproved and agricultural lands. The site is located approximately 1,000 feet north of Main Street, the town's main thoroughfare.

Documents provided to the US EPA by the ODEQ indicate that demolition of the site's east and west dry kilns, the former site power house, and the sorter/stacker buildings occurred beginning early June 2007, and continued through late January 2008. The documents indicate the presence of friable asbestos containing material (ACM) throughout the demolition debris piles remaining on site. Sample results collected by several environmental consulting firms, a certified abatement contractor, and ODEQ indicate the presence of amosite and chrysotile asbestos in the site materials ranging between <1% and 45%. Several of the samples contained asbestos above the allowable limit of >1%, indicating that the materials are ACM as defined by 40 CFR Part 763.

The current rubble piles containing moderate to large quantities of ACM and cover approximately 30,000 square feet (ft²) in the former kiln area and 33,000 ft² in the former sorter/stacker building area. The former kiln area is located along the south side of Tamarack St, just east of 18th Ave. Several residential homes are located approximately 50 feet north of the debris piles, across Tamarack St.

1.1.2.1 Site Location

The Desler/Plywood mill asbestos site is located at 2210 Tamarack St, Sweet Home, Oregon.

1.1.2.2 Description of Threat

The documented presence of friable asbestos containing material (ACM) throughout the demolition debris piles remaining on site represents a serious potential health threat to the neighboring community, specifically those residences located across Tamarack St. just north of the site.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Sample results collected by several environmental consulting firms, a certified abatement contractor, and ODEQ indicate the presence of amosite and chrysotile asbestos in the site materials ranging between <1% and 45%. Several of the samples contained asbestos above the allowable limit of >1%, indicating that the materials are ACM as defined by 40 CFR Part 763.

Bulk ACM samples collected by the EPA START contractors and analyzed by phase light microscopy (PLM), gravimetric reduction and semi-quantitative point count analysis indicated asbestos in sampled materials ranging between <1% and 58%, confirming previous findings at the site.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Not Applicable

2.1.2 Response Actions to Date

November 2, 2009-

ERRS, START, and ATEZ are on site today to continue ACM removal activities. ERRS has filled five roll-offs with ACM removed from the east and west kiln areas and one roll-off with ACM-contaminated soil from the area located to the west of the west kiln area. No ACM was visually observed in the soil pile ERRS removed however, a concerned neighbor informed OSC Heister that the property owner had previously stockpiled ACM in this area. In addition and to the degree possible, ERRS has continued sorting and decontaminating large sections of concrete and other non-ACM materials in an attempt to keep removal costs down while still removing the asbestos contamination.

ATEZ abatement contractors began removing several sections of pipe wrapped with asbestos containing thermal systems insulation (TSI) in the area just north of the east and west kilns. This highly friable material was located in close proximity to Tamarack Street. While abating the visible pipes, ATEZ contractors observed a large opening to what was discovered to be an underground pipe vault with additional suspected ACM-containing TSI. ERRS utilized heavy equipment to remove the concrete slab encasing the pipe vault in order to further assess the pipe vault and abate the TSI. Due to the amount of TSI observed in the pipe vault, a HEPA filter vacuum truck has been called in to abate the area. ATEZ has temporarily sealed the pipe vault with visqueen until tomorrow when the vacuum truck is scheduled to abate the TSI. Sweet Home Sanitation transported five 30' roll-off containers and seven 20' roll-off containers filled with ACM to the Coffin Butte landfill in Corvallis, Oregon for disposal. A total of 296,300 pounds of ACM was disposed of today bringing the total to date to 2,450,880 pounds.

START collected 8 PCM air samples, deployed 5 DataRam 4000 particulate monitors, and a Weather Hawk portable weather station to monitor and record data. All samples collected will be sent off site to a nationally accredited laboratory for analysis. The results of said samples have not yet been received from the laboratory.

November 3, 2009-

ERRS, START, and ATEZ are on site today to continue ACM removal activities. ERRS has filled six roll-offs with stockpiled ACM previously removed from the east and west kiln areas. In addition and to the degree possible, ERRS has continued sorting and decontaminating large sections of concrete and other non-ACM materials in an attempt to keep removal costs down while still removing the asbestos contamination.

ATEZ abatement contractors begin a negative pressure abatement of several sections of pipe wrapped with asbestos containing thermal systems insulation (TSI) in the pipe vault located just north of the east and west kilns. This highly friable material was located in close proximity to Tamarack Street. ATEZ contractors removed a total of 25 bags of ACM debris including TSI, from the pipe vault thus far and plan to complete abatement of this area tomorrow. Sweet Home Sanitation transported five 30' roll-off containers and seven 20' roll-off containers filled with ACM to the Coffin Butte landfill in Corvallis, Oregon for disposal. A total of 303,580 pounds of ACM was disposed of today bringing the total to date to 2,754,460 pounds.

START collected 8 PCM air samples, deployed 5 DataRam 4000 particulate monitors, and a Weather Hawk portable weather station to monitor and record data. All samples collected will be sent off site to a nationally accredited laboratory for analysis. The results of said samples have not yet been received from the laboratory.

November 4, 2009-

ERRS, START, and ATEZ are on site today to continue ACM removal activities. ERRS has filled five roll-offs with ACM removed from the east and west kiln areas and the ACM debris removed from the pipe vault. In addition and to the degree possible, ERRS has continued sorting and decontaminating large sections of concrete and other non-ACM materials in an attempt to keep removal costs down while still removing the asbestos contamination.

ATEZ abatement contractors completed the negative pressure abatement of several sections of pipe wrapped with asbestos containing thermal systems insulation (TSI) in the pipe vault located just north of the east and west kilns in close proximity to Tamarack Street. ATEZ contractors removed a total of 41 bags of ACM debris including TSI, from the pipe vault during abatement of this area. Sweet Home Sanitation transported five 30' roll-off containers and seven 20' roll-off containers filled with ACM to the Coffin Butte landfill in Corvallis, Oregon for disposal. A total of 301,460 pounds of ACM was disposed of today bringing the total to date to 3,055,920 pounds.

START collected 8 PCM samples, 4 TEM samples, and deployed 5 DataRam 4000 particulate monitors and a Weather Hawk portable weather station to monitor and record data. All samples collected will be sent off site to a nationally accredited laboratory for analysis. The results of said samples have not yet been received from the laboratory.

Two representatives from the Oregon State Department of Environmental Quality (ODEQ) were on site today and given a tour of the site by OSC Heister. In addition, OSC Heister updated the ODEQ representatives on the status of the removal action, analytical sample results, and the remaining removal action objectives.

The property owner's liaison was on site today and was given a tour of the site by OSC Heister and updated as to the

status of the removal action and the remaining removal action objectives.

November 5, 2009-

ERRS, START, and ATEZ are on site today to continue ACM removal activities. ERRS has filled eleven roll-offs with ACM debris previously removed from the east and west kiln areas. In addition and to the degree possible, ERRS has continued sorting and decontaminating large sections of concrete and other non-ACM materials in an attempt to keep removal costs down while still removing the asbestos contamination. ERRS contractors also backfilled the abated pipe vault and demolished a damaged section of the former cooling shed's roof. The section of the cooling shed roof had previously collapsed and was inherently unstable, thus presenting a serious safety hazard to anyone in the immediate vicinity.

Sweet Home Sanitation transported eight 30' roll-off containers and four 20' roll-off containers filled with ACM to the Coffin Butte landfill in Corvallis, Oregon for disposal. A total of 289,060 pounds of ACM was disposed of today bringing the total to date to 3,344,980 pounds.

START collected 8 PCM samples, 4 TEM samples, and deployed 5 DataRam 4000 particulate monitors and a Weather Hawk portable weather station to monitor and record data. All samples collected will be sent off site to a nationally accredited laboratory for analysis. The results of said samples have not yet been received from the laboratory.

November 6, 2009-

ERRS, START, and ATEZ are on site today to continue ACM removal activities. ERRS has filled one roll-off with ACM debris previously removed from the east and west kiln areas, and two with ACM from the demolished section of the colling shed roof. In addition and to the degree possible, ERRS has continued sorting and decontaminating large sections of concrete and other non-ACM materials in an attempt to keep removal costs down while still removing the asbestos contamination. ERRS contractors also demolished a section of the former east kiln wall that has been determined by the EPA and its' contractors to be inherently unstable, and a safety hazard if left standing. In preparation for demolition, ERRS had previously abated all ACM debris from the area surrounding the wall, and ATEZ contractors used a fire hose to perform wet suppression of the area. A small amount of suspected ACM roofing material remained attached to the top of the wall. As ERRS began demolition, the entire wall fell more abruptly than anticipated due to it's lack of structural integrity, in turn releasing a moderate cloud of particulates into the air surrounding the wall. The dust cloud appeared to hover in the kiln area before dissipating to the southeast with the wind. START contractors immediately assessed the deployed particulate monitors around the site including one located in a neighbors yard on Tamarack Street, and observed no noticeable increase in particulate count due to the demolition.

Sweet Home Sanitation transported four 30' roll-off containers and eight 20' roll-off containers filled with ACM to the Coffin Butte landfill in Corvallis, Oregon for disposal. A total of 309,040 pounds of ACM was disposed of today bringing the total to date to 3,654,020 pounds.

START collected 8 PCM samples and deployed 5 DataRam 4000 particulate monitors and a Weather Hawk portable weather station to monitor and record data. All samples collected will be sent off site to a nationally accredited laboratory for analysis. The results of said samples have not yet been received from the laboratory.

A representative from the City of Sweet Home Streets Department (CSHSD) was on site today and spoke with OSC Heister about a complaint received from a concerned neighbor regarding an oil sheen observed on a creek to the north of Tamarack Street. The CSHSD representative stated that he had observed the status of the creek and that he had seen nothing of concern. OSC Heister offered the representative the opportunity to observe the ongoing site activities and water filtration apparatus being utilized and the representative declined stating that he was not concerned about the ongoing site activities.

November 7, 2009-

ERRS, START, and ATEZ are on site today to continue ACM removal activities. ERRS has seventeen roll-offs with ACM debris previously removed from the east and west kiln areas. In addition and to the degree possible, ERRS has continued sorting and decontaminating large sections of concrete and other non-ACM materials in an attempt to keep removal costs down while still removing the asbestos contamination. SHS was not transferring roll-offs to the Coffin Butte landfill today so there are currently 20 ACM-filled roll-offs

START collected 8 PCM samples and deployed 5 DataRam 4000 particulate monitors and a Weather Hawk portable weather station to monitor and record data. All samples collected will be sent off site to a nationally accredited laboratory for analysis. The results of said samples have not yet been received from the laboratory.

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

NA

2.1.4 Progress Metrics

<i>Date</i>	<i>Medium</i>	<i># of Roll- offs filled with ACM</i>	<i># of Roll- offs transported</i>	<i>Total Roll- offs transported to date</i>	<i>Weight</i>	<i>Total Weight to date</i>	<i>Disposal Location</i>
11/02/2009	ACM removed from the east and west Kiln areas	6	12	118	296,300 lbs	2,450,880 lbs	Coffin Butte landfill in Corvallis, Oregon.

11/03/2009	ACM removed from the east and west Kiln areas	6	12	130	303,580 lbs	2,754,460 lbs	Coffin Butte landfill in Corvallis, Oregon.
11/04/2009	ACM retrieved from the east and west Kiln areas	14	12	142	301,460 lbs	3,055,920 lbs	Coffin Butte landfill in Corvallis, Oregon.
11/05/2009	ACM retrieved from the west Kiln Area	11	12	154	289,060 lbs	3,344,980 lbs	Coffin Butte landfill in Corvallis, Oregon.
11/06/2009	ACM retrieved from the east and west Kiln Area	3	12	166	309,040 lbs	3,654,020 lbs	Coffin Butte landfill in Corvallis, Oregon.
11/07/2009	ACM retrieved from the west Kiln Area	17	0	166	NA	3,654,020 lbs	NA

2.2 Planning Section

2.2.1 Anticipated Activities

Anticipated activities include the removal and proper disposal of Asbestos Contaminated Materials (ACM) resulting from the improper demolition of several structures within the confines of the site including two Dry Kiln buildings, a Sorter/Stacker building, and the former site power house building. In addition, asbestos thermal systems pipe insulation (TSI) will be abated from within an elevated pipe corridor located just south of the former kiln areas.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

ERRS will continue sorting through the rubble piles of large sections of demolished concrete in an attempt to separate ACM from salvageable non-contaminated materials. ERRS contractors will continue to remove ACM debris in the west Kiln area and progressing towards the east Kiln. ACM debris will be burrito wrapped and transported to an approved landfill for disposal. START contractors will continue to collect air samples on a daily basis and have them analyzed for asbestos content.

2.2.2 Issues

Potential issues include airborne particulates (dust) created by heavy equipment during removal of ACM debris, and asbestos contaminated water produced by rain run-off and wet suppression techniques utilized during abatement.

2.3 Logistics Section

Not Applicable

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Not Applicable

2.6 Liaison Officer

Property owner Liaison:
Mr. Jeff Johnson
Advanced Environmental Solutions, LLC
Office: (541) 818-0271
Cell: (541) 912-0528

2.7 Information Officer

2.7.1 Public Information Officer

The EPA Community Involvement Coordinator for the Desler/Plywood Mill Asbestos Site is:
Mark MacIntyre

2.7.2 Community Involvement Coordinator

The EPA Community Involvement Coordinator for the Desler/Plywood Mill Asbestos Site is:
Judy Smith

3. Participating Entities

3.1 Unified Command

Not Applicable

3.2 Cooperating Agencies

Oregon Department of Environmental Quality (ODEQ)

4. Personnel On Site

EPA On-Scene Coordinator: 1

Emergency and Rapid Response Services (ERRS) personnel: Approximately 7

Superfund Technical Assessment Response Team (START) personnel: Approximately 3

ATEZ abatement contractor personnel: Approximately 7

5. Definition of Terms

ACM- Asbestos Containing Material

ERRS- Emergency and Rapid Response Services

OSC- On-Scene Coordinator

START- Superfund Technical Assessment Response Team

6. Additional sources of information

6.1 Internet location of additional information/report

Not Applicable

6.2 Reporting Schedule

Not Applicable

7. Situational Reference Materials

Not Applicable