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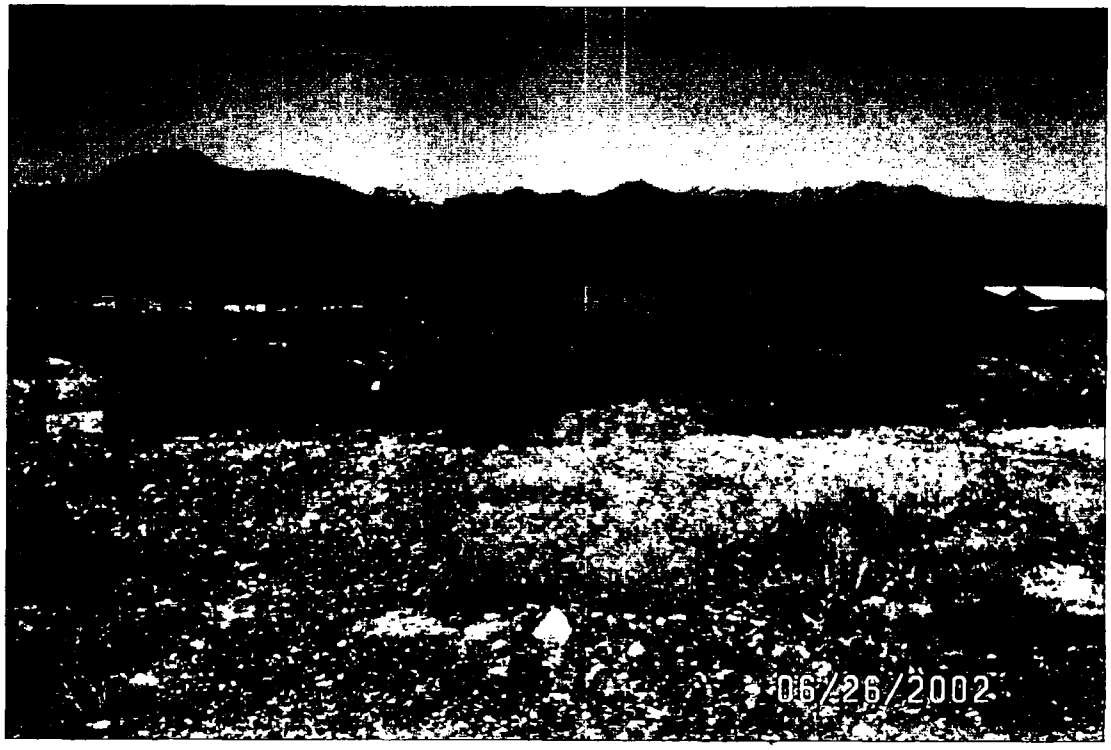
Former Stimson Lumber Company Libby Asbestos Site, Operable Unit 5 Libby, Montana

Draft Summary Report

May 2007



Draft Summary Report for the Former Stimson Lumber Company, Libby Asbestos Site, Operable Unit 5 Libby, Montana

May 24, 2007

Contract No. DTRT57-05-D-30109

Task Order No. 00006

Prepared for:

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Region 8
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May 24, 2007

Ms. Frances Costanzi
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1595 Wynkoop Street
Denver, Colorado 80202-1129

Subject: Draft Summary Report for the Former Stimson Lumber Company, Libby Asbestos Site, Operable Unit 5

Dear Ms. Costanzi:

CDM is pleased to submit the Draft Summary Report for Operable Unit 5, the former Stimson Lumber Company property. If you have any questions or concerns, please call me at (720) 264-1116.

Very truly yours,

E-Signed by Jeff G. Montera
VERIFY authenticity with ApproveIt

Jeff Montera
Project Manager
CDM Federal Programs Corporation

cc: Paul Peronard, EPA, Denver
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Acronyms

ASTM	American Society for Testing and Materials
bgs	below ground surface
BMX	bicycle motocross
CDM	CDM Federal Programs Corporation
cm^2	centimeters squared
CSS	Contaminant Screening Study
DQO	data quality objective
EMSL	EMSL Analytical Laboratories, Inc.
EPA	U.S. Environmental Protection Agency
E&W	engineering and warehouse
LA	Libby amphibole asbestos
LCPA	Lincoln County Port Authority
NIOSH	National Institute for Occupational Safety and Health
OU	operable unit
PDI	pre-design inspection
PDIWP	Pre-Design Inspection Activities Work Plan
PES	Pacific Environmental Services
PLM	polarized light microscopy
QA/QC	quality assurance/quality control
QC	quality control
RI	remedial investigation
SAP	sampling and analysis plan
S/cm^2	structures per centimeter squared
Site	former Stimson Lumber Company property
SQAPP	Supplemental RI Quality Assurance Project Plan
SRC	Syracuse Research Corporation
VCBM	vermiculite-containing building materials
VE	visual area estimation
%	percent
yd^3	cubic yards
"	inch

Section 1
Introduction

The purpose of this report is to summarize the investigation activities conducted by CDM Federal Programs Corporation (CDM) and its subcontractor Pacific Environmental Services (PES) and the removal activities conducted by Environmental Quality Management Incorporated at the former Stimson Lumber Company property (Site).

This summary report presents verbal interview information, visual inspection results, and site-specific soil, microvacuum dust, and bulk sampling data from these various events to be used in remedial investigation (RI) decision making for the Site.

1.1 Site Location and Background

The Site is situated in the eastern section of Libby, Montana on U.S. Highway 2 South (Figure 1-1). Stimson Lumber Company operated at the location until 2004. In 2004 the property was bought by the Lincoln County Port Authority (LCPA) and subsequently transferred ownership to the Kootenai Business Park Industrial District which is currently in the process of redeveloping the site.

The property is approximately 200 acres in size and is occupied by various buildings, processing plants, storage sheds including the central maintenance building, plywood plant, finger joint building, truck barn, office, and others. For investigation purposes the property was divided into eight subareas (Figure 1-2):

1. Former Popping Plant
2. Railroad Spur
3. Lumber Yard
4. Log Storage Yard
5. Southwest Area
6. Former Champion International Tree Nursery
7. Sprinkler Field
8. Superfund Site (Champion International)

The Champion International Superfund Site was appointed Superfund status due to groundwater contamination resulting from wood preservative processing and is not associated with the Libby Asbestos Superfund Site. Remediation efforts for the groundwater contamination are currently ongoing. These divisions were made based on assumed contaminant and environmental setting. The Sprinkler Field and Superfund Site subareas, part of another Superfund site, and were not investigated by CDM, and will not be discussed further in this report.

Historical information regarding the Stimson property suggests that vermiculite products were used at, or transported to, the property at various times and at various locations. Additionally, vermiculite insulation was installed in structures which were

used during daily plant operations. It is believed that these products contain varying levels of Libby amphibole asbestos (LA).

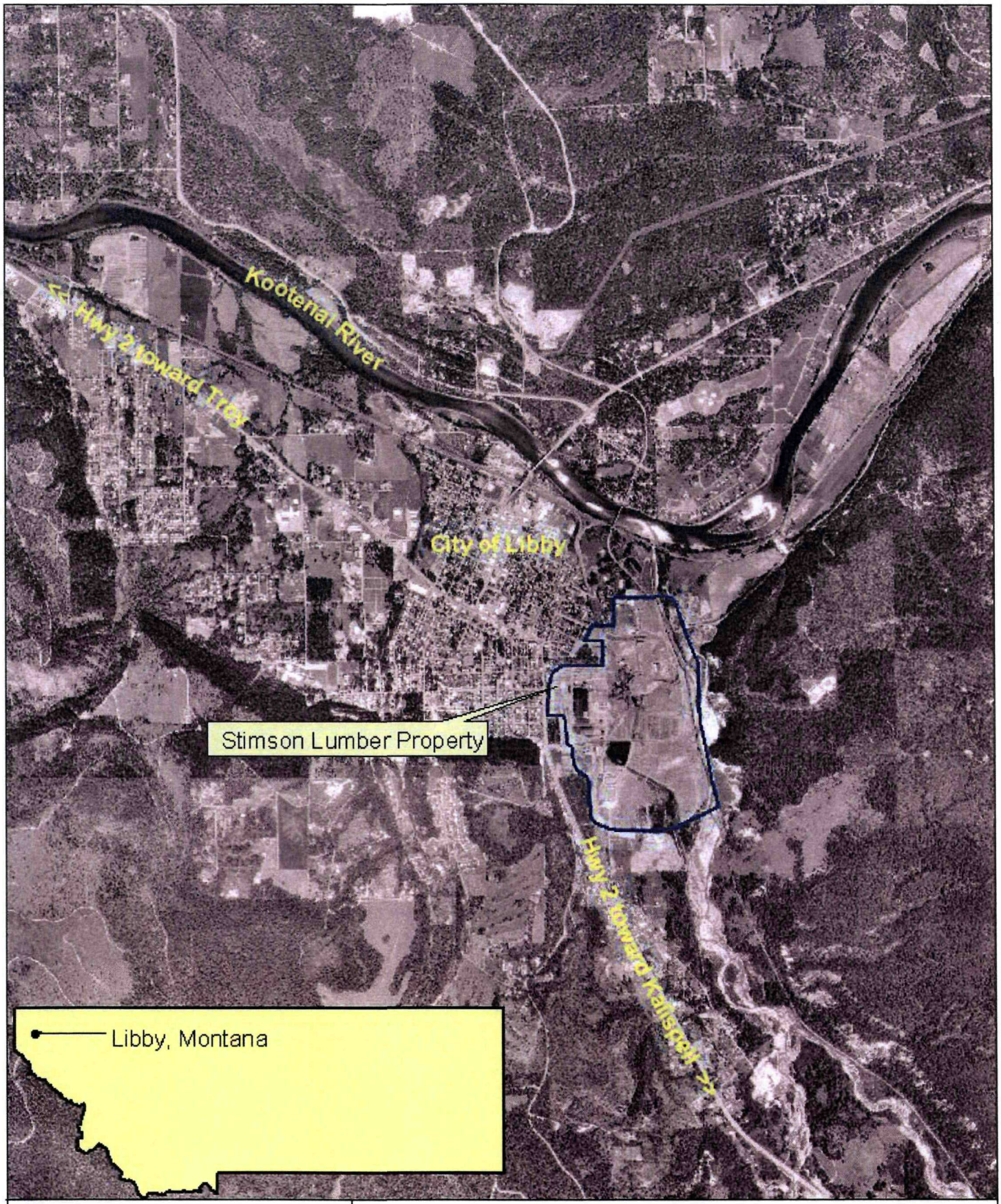
Multiple sampling events have occurred at the Site since 2002. Each of the following sampling events is summarized in Section 2. Because removal criteria have not been established for LA fiber concentrations in air (U.S. Environmental Protection Agency [EPA] 2003) these data are not included in this summary report. Similarly, quality control (QC) samples that were not used to qualify analytical results were also excluded from this summary.

- Microvacuum Dust sampling was conducted by PES in May 2002 at a shed in the former nursery area.
- Personal air, stationary air, and dust sampling was conducted in September 2002 in areas where vermiculite was known to be or suspected of being present.
- Contaminant Screening Study (CSS) site wide soil sampling was conducted in October 2002.
- CSS soil sampling was conducted in May 2004 at the current location of the bicycle motocross (BMX) track.
- Soil, dust, and bulk sampling was conducted in May 2004 at the central maintenance building to determine the extent of contamination requiring removal as part of the pre-design inspection (PDI).
- CSS soil sampling was conducted in July 2004 at the current location of the demolition derby track.
- Soil and air sampling was conducted in June 2005 as part of the Supplemental RI Quality Assurance Project Plan (SQAPP) (Syracuse Research Corporation [SRC] 2005)

To date, EPA has directed one removal action at the Site to remove contamination from the central maintenance building in 2005. However, IRS Environmental was privately contracted by Stimson Lumber Company to conduct the following asbestos removal activities. Because CDM was not involved in these removal actions, additional details regarding the work performed are not presented in this summary report.

- December 2002, removed 600 linear feet of pipe insulation in the dry kiln tunnel
- June 2003, removed 2 cubic yards (yd^3) of vermiculite insulation from the walls of the truck shop
- August 2003, removed 270 yd^3 of vermiculite insulation from the floors, walls, and ceilings of the plywood dryers
- August 2003, removed 60 linear feet of pipe insulation from the northwest corner of the plywood plant

File Path: c:\projects\libby\libby_gis\aprs\stimson_sampling.apr



800 0 800 1600 Feet

Map Created November, 2002

CDM

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LEGEND

Stimson Lumber Property

Figure 1-1
Site Location Map
Stimson Lumber Company
Libby, MT

- August 2003, removed 1200 square feet of cement asbestos siding and roofing from the old screening building
- February 2005, removed 2 yd^3 of vermiculite insulation from the walls of the finger joint lunch room

1.2 Conceptual Site Model

The Libby Asbestos Superfund Site has been subdivided into Operable Units (OUs) to facilitate a phased approach to the cleanup. The former Stimson Lumber Company property is designated as OU5, while the majority of the residential, commercial/industrial properties within Libby are designated as OU4. The boundary of OU5 is defined geographically by the parcel of land that included the former Stimson Lumber Company. The eastern boundary of OU5 follows the western high bank of Libby Creek, and the creek will be included in OU4. Historically, the potential human receptors were mill workers in the buildings containing vermiculite insulation or those employees disturbing source materials in the soil. The illustrated conceptual site model is depicted in Figure 1-3. Currently, the sources of indoor vermiculite at the central maintenance building have been removed to the extent practical or sealed in place. The indoor sources of vermiculite that were removed by privately contracted abatement companies have not been sampled by CDM to verify contamination has been removed in accordance with EPA guidelines set forth in the Draft Final Technical Memorandum for the Libby Asbestos Site Residential/Commercial Cleanup Action Level and Clearance Criteria (EPA 2003). Soils containing visible vermiculite or detectable levels of LA remain a primary source of contamination, although confined to certain areas of the Site. Potential human receptors are commercial workers, tradespeople, and recreational users. Ecological receptors and environmental impacts will be characterized as part of OU4.

1.3 Objective

The objectives of the OU5 summary report are to:

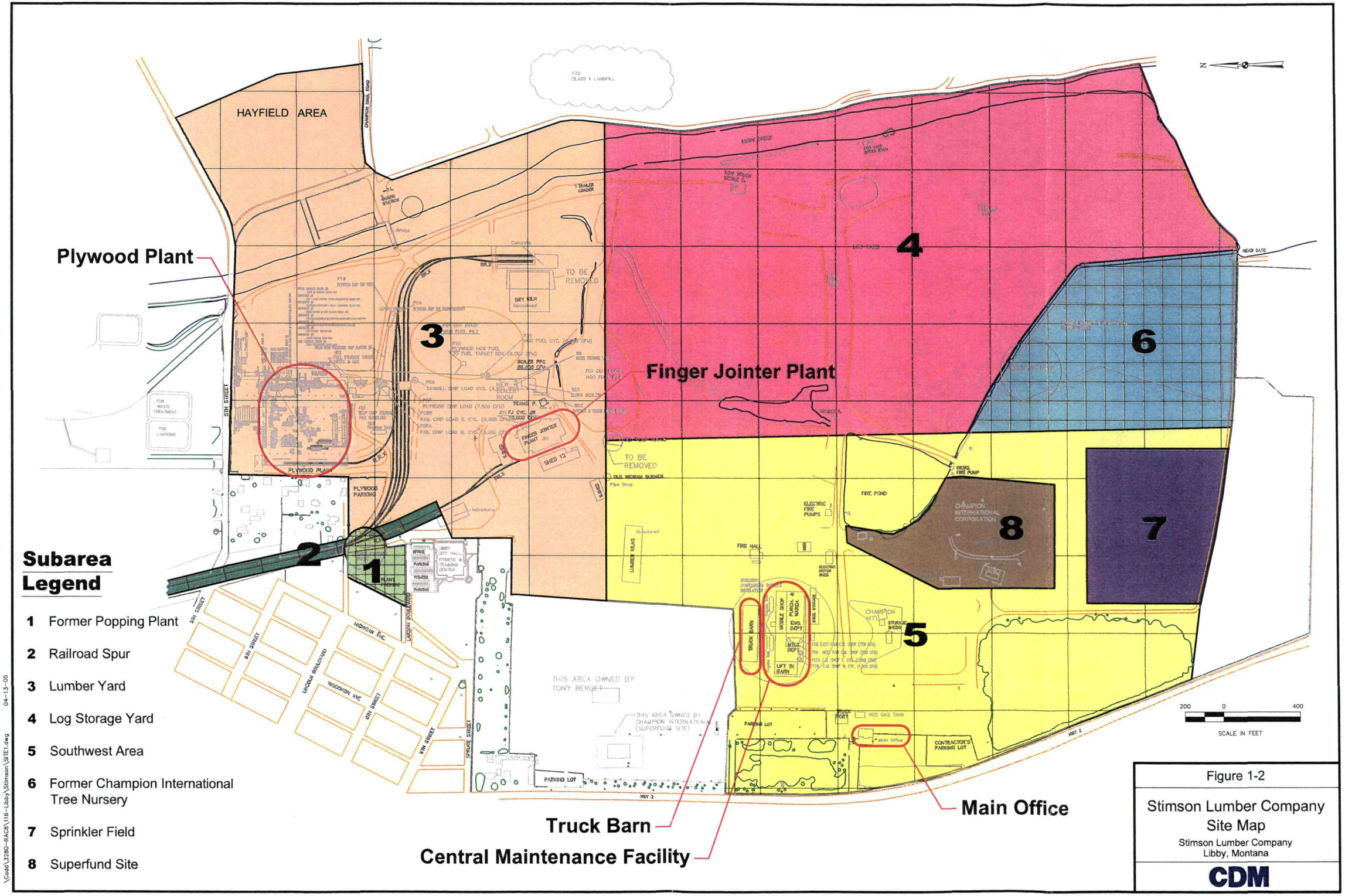
1) Detail inspection results for interior sources of vermiculite
2) Present analytical results for all investigations
3) Summarize the removal action completed to date

1.4 Property Use

1.4.1 Historic Use

The timber industry was a major foundation of Libby's economy for much of the city's history. The first sawmill was built in the winter of 1891-1892 near the present day downtown Libby. In 1906, the Dawson Lumber Company built a modern saw mill bringing workers and their families to the city in greater numbers. As early as 1914, parcels were bought and sold from private owners to companies such as the Dawson Lumber Company, Libby Lumber Company, and St. Regis Paper Company.

In 1993, the Stimson Lumber Company purchased all of the parcels owned by the various private owners to form what is now recognized as the Site boundary. The Site



Subarea Legend

1 Former Popping Plant

2 Railroad Spur

3 Lumber Yard

4 Log Storage Yard

5 Southwest Area

6 Former Champion International Tree Nursery

7 Sprinkler Field

8 Superfund Site

Figure 1-2

Stimson Lumber Company Site Map

Stimson Lumber Company
Libby, Montana

CDM

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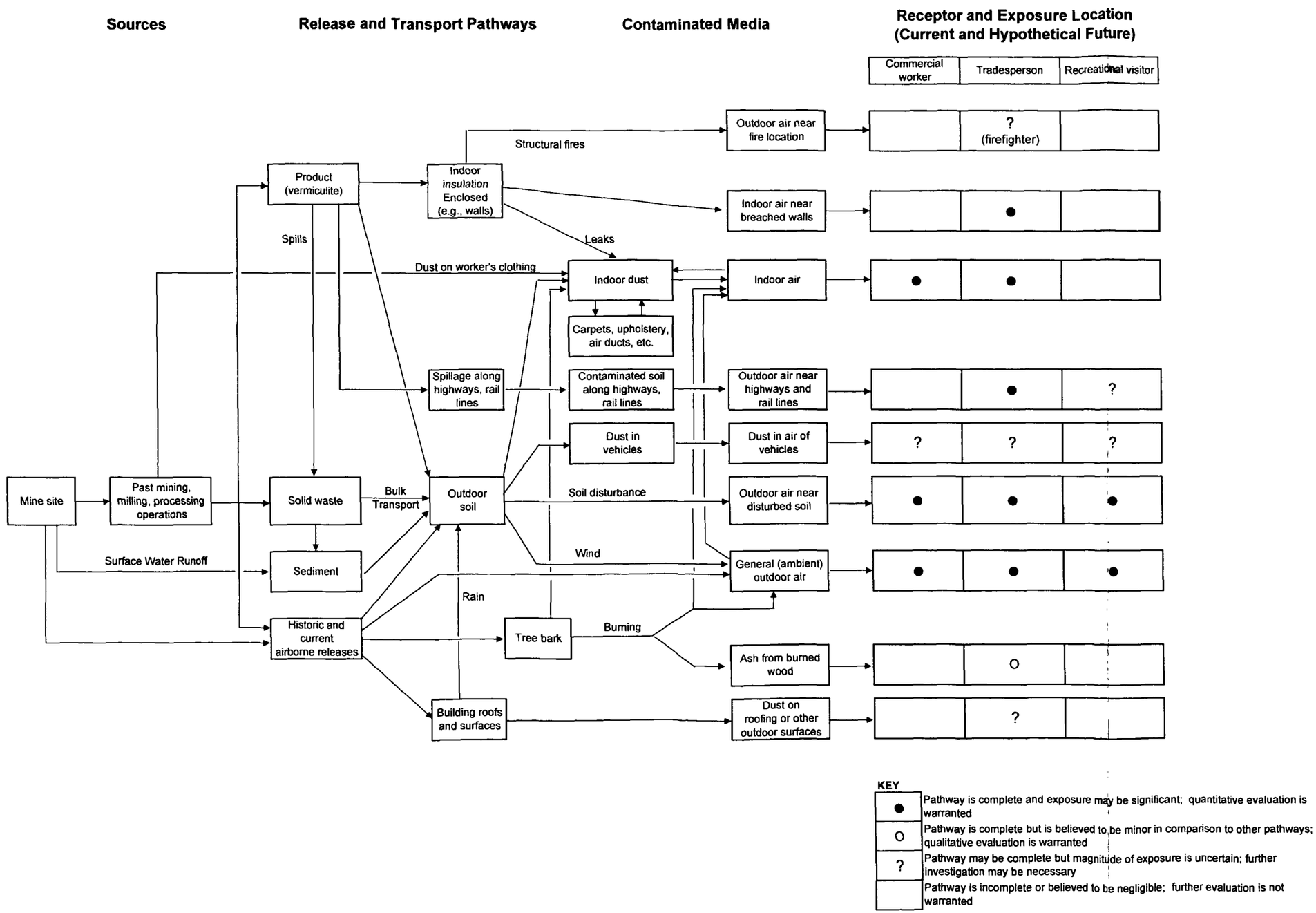
FIGURE 1-3. CONCEPTUAL SITE MODEL FOR INHALATION EXPOSURES TO ASBESTOS

Libby Superfund Site -- Operable Unit 5 (Former Stimson Lumber Mill)



was bounded to the north by the Kootenai River, to the west by Highway 2, to the east by the Kootenai National Forest and to the south by Gruber Road. The parcel of land containing Millwork West, a local lumber distributor, was sold by Stimson to private industries in 1998 and is considered part of OU4. In 2003, the Stimson Lumber Company sold all of the land except the parcel furthest south to the LCPA. In 2005, LCPA sold the land to the Kootenai Business Park Industrial District.

1.4.2 Current Use

At the time of this report, there were several companies leasing building and land space from the Kootenai Business Park Industrial District. The buildings onsite that are currently occupied are the central maintenance building, finger joint plant, and the main office building. The BMX track and demolition track have been created for recreational use. There are frequent users of these areas with one larger competition held annually. The Stimson Lumber Company still owns the boiler equipment adjacent to the Finger Joint Plant but is in the process of looking for potential buyers.

1.4.3 Future Use

Redevelopment plans for the property include restoration of the rail lines throughout the Site and restoration of the plywood plant for commercial use. Interested parties include a brick manufacturer. Plans are also being discussed for a walking path and fishing pond in the northeast corner of the Site near Libby Creek.

Section 2
Interview and Property Inspection

2.1 Interview

A site visit and meeting was conducted on September 28, 2001 by Mr. David Schroeder (CDM site manager), Mr. Greg Parana (PES field manager), and Dr. Chris Weis (EPA regional toxicologist). Stimson Lumber Company personnel present during this meeting included Mr. Fred Sturgess (Libby complex manager), Ms. Veronica Bovee (health and safety coordinator), Mr. John Chopot (environmental manager), and Mr. Barry Brown (local union #2581 president). The site visit included interviews with current employees and a walk-through of three subareas (Former Popping Plant, Railroad Spur, and Former Champion International Tree Nursery), the central maintenance building, and the plywood plant. The following information was gathered at this meeting.

The unpaved parking area used by Stimson Lumber Company employees (part of the Former Popping Plant subarea) was once used as an aboveground storage area for uncontainerized vermiculite ore. Vermiculite ore was stockpiled directly on the native soil surface and may have contaminated the area with measurable amounts of LA. The area was converted to a parking lot in 1990.

The Railroad Spur subarea, located near the Former Popping Plant location, was used for shipping raw and processed vermiculite material to and from the Site. It is suspected that this section of the railroad is contaminated with LA from loading/unloading operations and transportation.

A landscaping nursery (i.e., Former Champion International Tree Nursery subarea) was previously located along the southern boundary of the Site. It is believed that unexfoliated, or raw vermiculite product, was introduced to this area for use as a growth media and fill material. Currently the subarea remains a vacant lot with sparse vegetation. At the time of the interviews the area was used to stockpile log yard debris collected from 1991 through 1997.

The central maintenance building (located in the Southwest Area subarea) was insulated with vermiculite insulation at the time of the interview. This structure was equipped with a large gantry crane that traverses the length of the building. Movement of this crane caused vibration within the structure and released small amounts of vermiculite insulation from around seams and joints of the clapboard walls.

The plywood plant (part of the Stimson Lumber Company subarea), at the time of the interviews, was used for processing plywood. According to historical records, vermiculite insulation was used as an insulator for the plywood dryers. According to Stimson Lumber Company employees, the Big Dryer #1 was modified in 1986-87 and it is believed that vermiculite was added to the concrete, as well as sandwiched

Figure 2 - 1

Soil Sample Results
October 2002

Stimson Lumber Company
Libby Asbestos Project
Libby, Montana

Legend

Soil Sample Result

- Trace (<0.2% Libby Amphibole) 0 - 6 inches
- Non-detect, 0 - 6 inches
- < 1% Libby Amphibole, 48 - 60 inches
- Non-detect, 48 - 60 inches

N
W E
S

Feet

0 250 500 1,000 1,500

CDM

Map File Name: 040608_StimpsonLumberResultsR2_5-1.mxd 3/21/05

Table 2-1 Summary of Soil Sample Results for Site Wide Soil Sampling, October 2002

Sample ID	Parent ID	Sample Group	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (
CS-09519-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09520-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09521-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09522-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09523-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09524-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09525-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09526-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09527-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09528-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09529-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09530-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09531-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09532-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09533-FG		Former Popping Plant	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09534-FG	CS-09533	Former Popping Plant	Surface soil	Field Duplicate	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09657-FG1		Former Popping Plant	Subsurface soil	Field Sample	Composite	3	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09658-FG1		Former Popping Plant	Subsurface soil	Field Sample	Composite	3	48	60	10/16/2002	PLM-VE	B2	<1	ND
CS-09659-FG1		Former Popping Plant	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09660-FG		Former Popping Plant	Subsurface soil	Field Sample	Composite	5	48	60	10/17/2002	PLM-VE	A	ND	ND
CS-09661-FG	CS-09660	Former Popping Plant	Subsurface soil	Field Duplicate	Composite	5	48	60	10/17/2002	PLM-VE	A	ND	ND
CS-09662-FG		Former Popping Plant	Subsurface soil	Field Sample	Composite	5	48	60	10/17/2002	PLM-VE	A	ND	ND
CS-09663-FG		Former Popping Plant	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09301-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09302-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09303-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09304-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09306-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09307-FG1	CS-09306	Log Storage Yard	Surface soil	Field Duplicate	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09308-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09309-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09310-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09311-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09312-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09535-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09536-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09537-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09538-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09539-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09540-FG		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09583-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09584-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09585-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09586-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09587-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09588-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09589-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND

Table 2-1 Summary of Soil Sample Results for Site Wide Soil Sampling, October 2002

Sample ID	Parent ID	Sample Group	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (
CS-09590-FG1	CS-09589	Log Storage Yard	Surface soil	Field Duplicate	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09641-FG1		Log Storage Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/14/2002	PLM-VE	A	ND	ND
CS-09642-FG1		Log Storage Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/14/2002	PLM-VE	A	ND	ND
CS-09643-FG1		Log Storage Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/14/2002	PLM-VE	A	ND	ND
CS-09646-FG		Log Storage Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND
CS-09652-FG		Log Storage Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND
CS-09705-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09706-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09707-FG1	CS-09706	Log Storage Yard	Surface soil	Field Duplicate	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09708-FG1		Log Storage Yard	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-08295-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-08296-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-08297-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-08298-F		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-08299-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-08300-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09281-F		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09282-F		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09510-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09511-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09512-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09513-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09514-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09515-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09516-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09517-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09649-FG		Lumber Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND
CS-09650-FG	CS-09649	Lumber Yard	Subsurface soil	Field Duplicate	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND
CS-09651-FG		Lumber Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND
CS-09653-FG1		Lumber Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09654-FG1		Lumber Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09655-FG1		Lumber Yard	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09656-FG1		Lumber Yard	Subsurface soil	Field Sample	Composite	3	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09681-FG1		Lumber Yard	Surface soil	Field Sample	Grab	NA	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09682-FG1		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09683-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09684-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09685-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09686-FG		Lumber Yard	Surface soil	Field Sample	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09687-FG	CS-09686	Lumber Yard	Surface soil	Field Duplicate	Composite	5	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09688-FG		Lumber Yard	Surface soil	Field Sample	Grab	NA	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09689-FG		Lumber Yard	Surface soil	Field Sample	Grab	NA	0	6	10/14/2002	PLM-VE	A	ND	ND
CS-09313-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09314-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09315-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND

Table 2-1 Summary of Soil Sample Results for Site Wide Soil Sampling, October 2002

Sample ID	Parent ID	Sample Group	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (
CS-09316-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09591-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09592-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09593-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09594-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09595-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	B1	TR	ND
CS-09596-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/16/2002	PLM-VE	A	ND	ND
CS-09664-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09665-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/16/2002	PLM-VE	A	ND	ND
CS-09666-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/17/2002	PLM-VE	A	ND	ND
CS-09667-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/17/2002	PLM-VE	A	ND	ND
CS-09668-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/17/2002	PLM-VE	A	ND	ND
CS-09671-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/18/2002	PLM-VE	A	ND	ND
CS-09672-FG		Former Champion Intl. Tree Nursery	Subsurface soil	Field Sample	Composite	5	48	60	10/18/2002	PLM-VE	A	ND	ND
CS-09673-FG	CS-09672	Former Champion Intl. Tree Nursery	Subsurface soil	Field Duplicate	Composite	5	48	60	10/18/2002	PLM-VE	A	ND	ND
CS-09300-FG		Former Champion Intl. Tree Nursery	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09691-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09692-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09693-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09694-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09695-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09696-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09697-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09698-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09699-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09700-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09701-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09702-FG		Railroad Spur	Surface soil	Field Sample	Composite	3	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09703-FG1		Railroad Spur	Surface soil	Field Sample	Composite	2	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09704-FG1		Railroad Spur	Surface soil	Field Sample	Composite	2	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09284-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09285-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09286-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09287-FG	CS-09286	Southwest Area	Surface soil	Field Duplicate	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09288-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND

Table 2-1 Summary of Soil Sample Results for Site Wide Soil Sampling, October 2002

Sample ID	Parent ID	Sample Group	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (
CS-09289-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09290-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09291-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09292-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09293-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09294-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	B1	TR	ND
CS-09295-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09296-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09297-FG		Southwest Area	Surface soil	Field Sample	Composite	5	0	6	10/15/2002	PLM-VE	A	ND	ND
CS-09647-FG		Southwest Area	Subsurface soil	Field Sample	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND
CS-09648-FG		Southwest Area	Subsurface soil	Field Sample	Composite	5	48	60	10/15/2002	PLM-VE	A	ND	ND

Notes:

in- inches
bgs- below ground surface
PLM- polarized light microscopy
VE- visual estimation
LA- Libby amphibole
C- Chrysotile
%- percent
ND- non-detect
TR- trace

between the top of the dryer and the concrete layer. The Little Dryer #2 was modified in 1996 and does not contain any vermiculite.

2.2 Property Inspection

As part of the air and dust sampling conducted in September 2002, buildings were inspected to determine if vermiculite insulation or vermiculite-containing building materials were present in structures. The presence of vermiculite insulation was confirmed in the plywood plant and central maintenance building and was not observed in any of the remaining structures on the Site. For thorough descriptions regarding the construction of and contamination observed within the central maintenance building, the reader is referred to the Addendum to the Response Action Work Plan for the Former Stimson Central Maintenance Building Commercial Removal Plan (CDM 2004a).

In addition, during all soil sampling activities observations were noted in logbooks and on field sample data sheets regarding any vermiculite observed. The specifics of vermiculite observed during soil sampling are discussed in Section 2.3.

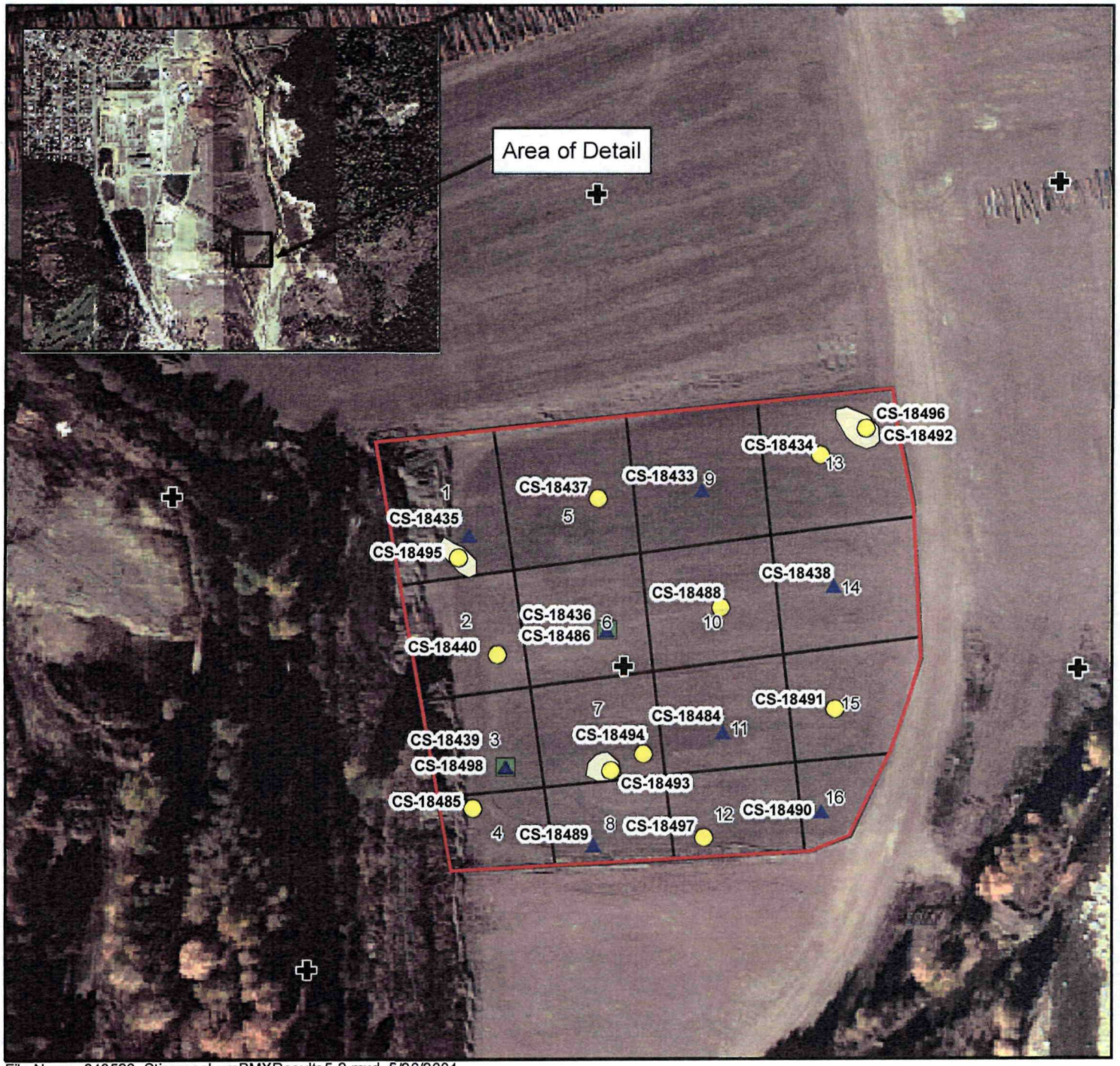
2.3 Sampling

2.3.1 Soil Sampling

Soil sampling at the Site was designed for the quantification of relative LA abundance in soils throughout the Site following all rationale, data quality objectives, quality assurance procedures, and standard operating procedures from the *Final Sampling and Analysis Plan (SAP) for the RI CSS, Libby Asbestos Site, OU4* (CDM 2002a). For purposes of this investigation a site-specific SAP addendum was developed to the CSS SAP: *Final SAP Addendum for the Stimson Lumber Company Area, Libby Asbestos Site, OU4* (CDM 2002b). All soil investigation work was conducted in accordance with this SAP addendum. Subsequent soil sampling to delineate soil contamination requiring removal associated with the central maintenance building was conducted in accordance with the Final Draft Pre-Design Inspection Activities Work Plan (PDIWP), Libby Asbestos Project (CDM 2003).

This section discusses the field activities and sample results associated with the five investigative soil sampling events conducted at the Site:

- October 2002, CSS site wide soil sampling
- May 2004, CSS soil sampling for proposed location for BMX track
- May 2004, PDI soil sampling to identify soils requiring removal activities
- July 2004, CSS soil sampling for proposed location for demolition derby track
- June 2005, SQAPP soil sampling to correlate soil contamination with airborne fibers



File Name: 040526_StimpsonLumBMXResults5-2.mxd 5/26/2004

Figure 2-2
BMX Track
Soil Sampling Locations
May 15, 2004

Stimson Lumber Company
Libby Asbestos Project
Libby, Montana

Legend

- 0-1 inches
- 2-6 inches
- 6-12 inches
- October 2002 Sample Location (non-detect, 0-6 inches)
- Approximate BMX Track Boundary
- Sampling Grid (Approx. 100 x 100 Feet)
- Stockpile

N
W E
S

Feet
0 50 100 200

CDM

Table 2-2 Summary of Surface and Subsurface Soil Samples Collected Versus Estimated for Site Wide Soil Sampling, October 2002

Subarea	Surface Samples (0-6" bgs)		Subsurface Samples (48-60" bgs)	
	Estimated	Collected	Estimated	Collected
1. Former Popping Plant	15	15	6	6
2. Railroad Spur	≈ 20	14	0	0
3. Lumber Yard	24	24	6	6
4. Log Storage Yard	26	26	5	5
5. Southwest Area	23	13	4	2
6. Former Champion International Tree Nursery	14	11	7	7
7. Sprinkler Field	0	0	0	0
8. Champion International Superfund Site	0	0	0	0
Total	**122**	**103**	**28**	**26**

Total Number Estimated = 150
Total Number Collected = 129

Notes:
"- inches
bgs- bleow ground surface

2.3.1.1 Sample Locations and Collection

To adequately characterize LA abundance in soils throughout the Site, the area was divided into eight subareas (Figure 1-2): Former Popping Plant, Railroad Spur, Lumber Yard, Log Storage Yard, Southwest Area, Former Champion International Tree Nursery, Sprinkler Field, and Champion International Superfund site. These divisions were made based on assumed contaminant concentrations, land use, and environmental setting. During this investigation, no sampling was conducted within the Sprinkler Field or the Champion International Superfund Site subareas as a result of ongoing remediation, and therefore, these subareas will not be discussed further.

2.3.1.1.1 October 2002 Site Wide Soil Sampling Event

A site wide soil sampling was conducted between October 14 and October 18, 2002 at the former Stimson Lumber Company in accordance with the Final SAP Addendum for the Stimson Lumber Company Area (CDM 2002b). All sampling procedures detailed in the SAP were followed without exception unless detailed in Section 2.4.

A total of 129 field samples and 9 field duplicates were collected from six subareas described in the Final SAP Addendum for the Stimson Lumber Company Area (CDM 2002b). Of the 129 field samples collected, 103 were surface samples collected from 0-6 inches (") below ground surface (bgs) and 26 were subsurface samples collected from 48-60" bgs. Vermiculite was not observed in any of the samples collected during this investigation. Table 2-1 summarizes the analytical results for each sample as well as identifying the sample type (composite versus grab), number of subsamples, sample depths, and sample locations. Summaries of the number of surface and subsurface samples collected from each subarea are presented in Table 2-2.

Figure 2-1 illustrates the locations and analytical results of the soil samples collected during this event.

2.3.1.1.2 May 2004 BMX Track Soil Sampling Event

In response to redevelopment plans by the Lincoln County Port Authority, who purchased the Stimson Lumber Company property in 2004, EPA requested additional soil sampling for LA to be conducted. Sampling was conducted on May 15, 2004 at an area where a BMX track was being proposed. The proposed (now current) location of the track is near the southeastern boundary of the Former Stimson Lumber Company (Figure 2-2). A site visit to the area prior to sampling revealed that construction of the track had begun before the area was sampled. The area had been graded by heavy equipment for the track outline.

The sampling plan for this area was described in a letter from CDM to EPA dated May 10, 2004 (CDM 2004b) and is included in Appendix A. All samples for this effort were collected and analyzed in accordance with the Final SAP addendum for the Stimson Lumber Company Area (CDM 2002b). All sampling procedures detailed in the SAP and letter, were followed without exception unless detailed in Section 2.4.

On May 15, 2004, a total of 21 field samples and one field duplicate were collected from 16 grids covering the proposed BMX track area (Figure 2-2). Of the 21 field

samples collected, eight were surface samples collected from 0-1" bgs, 8 were surface samples collected from 2-6" bgs, three were collected from randomly selected stockpiles formed during the regrading activities at 2-6" below the surface, and two were subsurface samples collected from 6-12" bgs. Vermiculite was observed in four of the samples collected during this investigation. Table 2-3 summarizes the analytical results for each sample as well as identifying the sample type, number of subsamples, sample depths, sample locations, and locations where visible vermiculite was observed. Table 2-4 summarizes the number of samples proposed for collection in the BMX sampling letter (CDM 2004b) versus the samples collected.

2.3.1.1.3 May 2004 Pre-Design Soil Sampling Event

To determine the extent of contamination in the soils directly surrounding the central maintenance building, a PDI was conducted in May 2004. A total of 4 field samples and one field duplicate were collected from the perimeter soils of the building. All samples collected were surface samples collected from 0-1" bgs. Vermiculite was observed within the soil of the two samples (and in the field duplicate sample) collected along the north and east sides of the central maintenance building. Table 2-5 summarizes the analytical results for each sample as well as identifying the sample type (composite versus grab), number of subsamples, sample depths, and sample locations. All samples for this effort were collected in accordance with Draft Final PDWIP (CDM 2003). All sampling procedures detailed in the PDIWP were followed without exception.

2.3.1.1.4 July 2004 Demolition Derby Track Soil Sampling Event

In response to redevelopment plans by LCPA, additional sampling for LA in soils was conducted in July 2004 in an area where a demolition derby track was proposed. The proposed location is located near the southeastern boundary of the Site just north of the area proposed for the BMX track (Figure 2-3).

The proposed sampling plan for this area was described in a letter from CDM to EPA dated July 1, 2004 (CDM 2004c) and is included in Appendix B. All samples for this effort were collected and analyzed in accordance with Final SAP Addendum for the Stimson Lumber Company Area (CDM 2002b). All sampling procedures detailed in the SAP and letter, were followed without exception.

On July 1, 2004, 19 field samples were collected from 9 200-ft by 200-ft grids covering the area of the proposed demolition derby track (Figure 2-3). Of the 19 field samples collected, nine were 5 point composite surface samples collected from 0-1" bgs, nine were 5 point composite surface samples collected from 2-6" bgs, and one was a 5 point composite subsurface sample collected from 6-12" bgs with each subsample coming from one of 5 randomly selected grids. Vermiculite was not observed in any of the samples during the sampling activities. Table 2-6 summarizes the analytical results for each sample as well as identifying the sample type, number of subsamples, sample depths, and sample locations. Figure 2-3 illustrates the location of all samples collected during this event.

2.3.1.1.5 June 2005 SQAPP Sampling Event

In summer 2005, activity based sampling (i.e., mowing, raking, child's play scenarios) were conducted at several properties where known concentrations of LA were present.

On June 21, 2005 sampling was conducted in an area of the Site that was previously sampled non-detect for LA (CS-09585). One soil sample was collected from the area where mowing took place, SQ-00061 and one sample was collected from the scenario area used in child's play and raking, SQ-00062.

On June 25, 2005 activity based sampling was conducted in areas of the Site that was previously sampled trace for LA (CS-09595). One soil sample was collected from the area where mowing took place, SQ-00066 and one sample was collected from the scenario area used in child's play and raking, SQ-00067.

2.3.1.2 Sample Analysis

All soil samples collected during these events were processed at CDM's close support facility in Denver in accordance with the soil preparation plan (CDM 2004d) and analyzed for LA using two techniques: polarized light microscopy (PLM) visual area estimation (VE) and the PLM gravimetric method (SRC 2003). EPA is in the process of evaluating the accuracy and replicatability of each of these methods. However, based on EPA's performance evaluation study to date, PLM-VE results are currently being used to make project removal decisions. Therefore, for the purposes of this report, only PLM-VE results are presented.

2.3.1.3 Sample Results

Of the 177 field samples collected, 6 had detectable levels of LA. Samples CS-09294, CS-09595, CS-18583, SQ-00066, and SQ-00067 had trace amounts of LA (< 0.2 percent [%]) and CS-09658 had a concentration of < 1% LA. Figure 2-4 illustrates the location of all samples collected during the sampling events described in the previous sections. Each sample with detectable levels of LA is discussed below.

- Sample CS-09294 was collected as a 5 point composite sample from 0-6" bgs in the Southwest Area in a grid just north and across the street from the fire pond. No visible vermiculite was observed in this sample.

- Sample CS-09595 was collected as a 5 point composite sample from 0-6" bgs in the Former Champion International Tree Nursery Area near the center of the subarea. No visible vermiculite was observed in this sample.

- Sample CS-18583 was collected as a 5 point composite sample from 0-1" bgs in Grid 2 of the proposed demolition derby track. No visible vermiculite was observed in this sample.

- Sample CS-09658 was collected as a 3 point composite sample from 48-60" bgs in the Former Popping Plant area in the vicinity of the railroad spur.

- Sample SQ-00066 was collected as a 19 point composite sample from 0-2" bgs in the sample collection area of CS-09595 for the lawn mowing scenario. Visible vermiculite was observed in this sample.

- Sample SQ-00067 was collected as a 5 point composite sample from 0-2" bgs in the sample collection area of CS-09595 for the raking and child's play scenarios. Visible vermiculite was observed in this sample.

Logbook notes and field sample data sheets are provided in Appendix C.

2.3.2 Dust Sampling

This section discusses the field activities and sample results associated with the three investigative dust sampling events conducted at the Site:

- May 2002, dust sampling of nursery shed

- September 2002, CSS site wide dust sampling

- April 2004, PDI dust sampling to identify areas requiring interior cleaning

2.3.2.1 Sample Locations

2.3.2.1.1 May 2002 Sampling Event

A total of 2 microvacuum dust samples were collected from the shed in the former nursery area on May 2, 2002. All locations were approved by EPA prior to sampling. During a supplemental site visit to locate the nursery shed in 2007, it was determined that the building has been partially demolished.

The microvacuum dust samples collected from the shed were composites taken from the concrete floor (1-06850) and the standing wood and debris removed from the walls (1-06857).

2.3.2.1.2 September 2002 Sampling Event

A total of 37 microvacuum dust samples were collected from buildings at the Site during September 2002. Stimson employees identified buildings as containing vermiculite or not containing vermiculite. One microvacuum dust sample was collected from each building not known to contain vermiculite. Up to five microvacuum dust samples were collected from each building known to contain vermiculite. All locations were approved by EPA prior to sampling. A supplemental site visit was conducted in 2007 to locate and identify the structures still remaining onsite. Details regarding buildings that are no longer present are presented below.

Buildings that contain identified vermiculite in which five microvacuum dust samples were collected were:

- Central Maintenance Building (BD-002098)

  - Machine shop
  - South end of central maintenance building

- Center of central maintenance building
- Northern end of central maintenance building
- Supervisor's office and break room

- Plywood Plant (BD-002099)

  - Break room and office at finish end
  - Plugger area
  - Spreaders and finish end
  - Green chain
  - Dryer area

Buildings that do not contain vermiculite in which two microvacuum dust samples were collected:

- Finger joint plant (BD-002097)

  - Former lunchroom (now parts storage)
  - Doorways & entrances

- Truck barn (BD-002110)

  - North side
  - South end of building

- Main office (BD-002269)

  - First floor
  - Second floor

- Buildings that do not contain vermiculite in which one microvacuum dust sample was collected are listed below.

  - Log yard break building (BD-002100) – no longer present in 2007
  - Log yard storage building (BD-002101) – no longer present in 2007
  - Log yard oil storage shed (BD-002102) – no longer present in 2007
  - Log yard pump house (BD-002103)
  - Log yard truck scale shed (BD-002104)
  - Irrigation building (BD-002105) – no longer present in 2007
  - Diesel fire pump house (BD-002106)
  - Double wide trailer (BD-002107) – building partially demolished in 2007
  - Electric pump house (BD-002108)
  - Guard station at Libby Creek Bridge (BD-002109) – no longer present in 2007
  - Steel storage (BD-002111)
  - Fire hall (BD-002112)
  - Wagner shed (BD-002260)
  - Electric motor shed (BD-002261)
  - Astrodome (BD-002262)
  - Pipe shop (BD-002263)

- Storage & locomotive shed (BD-002264)
- Power house office (BD-002265)
- Power house (BD-002266)
- Lumber kilns (BD-002267) – no longer present in 2007
- Shed 12 (BD-002268)

Figure 2-5 illustrates the location of all buildings where dust samples have been collected. Photos of the current conditions of the buildings are provided in Appendix E.

2.3.2.1.3 April 2004 Pre-Design Sampling Event

A total of 24 microvacuum dust samples were collected from the central maintenance building on April 30, 2004. Samples were collected from the horizontal surfaces (e.g., shelving units) and high traffic areas (e.g., entryways) of each of the four main subareas of the building (i.e., former mobile shop, former engineering and warehouse (E&W) areas, former lift truck barn).

2.3.2.2 Sample Collection

All microvacuum dust samples were collected in accordance with the American Society for Testing Materials (ASTM) Standard D-5755-95, Standard Test Method for Microvacuum Sampling and Indirect Analysis Dust by Transmission Electron Microscopy for Asbestos Structure Number Concentrations. The dust samples were composite samples consisting of up to three 100 centimeters squared (cm^2) subsamples per cassette. Samples were collected in each 100 cm^2 area for 2 minutes or until all visible dust had been removed. Sampling was performed using 0.45 micron mixed cellulose ester filters. All sampling pumps were calibrated prior to the sampling period and again at the end of the sampling period.

2.3.2.3 Sample Analysis

Dust samples were analyzed by EMSL Analytical, Inc. (EMSL) in Libby, Montana, and Westmont, New Jersey; Reservoirs Environmental Services in Denver, Colorado, and/or Hygeia in Sierra Madre, California. All samples were analyzed in accordance with the International Organization of Standards 10312, Air Quality - *Determination of Asbestos Fibers – Direct Transfer Transmission Electron Microscopy Method, 1995* or in accordance with the ASTM Standard D-5755-95.

2.3.2.4 Sample Results

Of the 63 dust samples collected, 20 samples had detectable levels of LA below the level requiring cleaning as directed by EPA. These dust samples were collected from the central maintenance building, log yard oil shed, scale house, irrigation building, electric pump house, truck barn, steel storage, wagner shed, electric motor shed, storage and locomotive shed, and main office building.

Of the 63 dust samples collected, 4 samples had detectable levels of LA above the level requiring cleaning as directed by EPA. Each sample exceeding the removal criteria of 5,000 structures per square centimeter (S/cm^2) of LA is discussed below. The analytical results for all remaining dust samples were non-detect for LA. Table 2-7 summarizes

the analytical results of each dust sample as well as identifying the sample location, subsample locations, and analysis method.

LA structures were detected in only one of the samples collected in the former nursery area shed. This sample (1-06857) was a composite of locations atop of standing wood piles in the east and west ends of the main room, along with a ground level horizontal beam on the south wall. The analytical result of this dust sample for LA was 7,024 S/cm^2. This building was no longer present during the 2007 site visit.

LA structures were detected above the action level requiring cleaning as directed by EPA in only one of the 29 dust samples collected from the central maintenance building. This sample (SL-00061) was a composite of one location in each of the Cummins engine room, Cat engine room, and large jack stand in the main work area. The analytical result of this dust sample for LA was 8,823 S/cm^2.

The sample (SL-00175) collected from three locations within the diesel fire pumphouse had an analytical result for LA of 8,823 S/cm^2.

The sample (SL-00178) collected from the guard station at the Libby Creek bridge was also above the level requiring cleaning. The analytical result of this dust sample for LA was 44,116 S/cm^2. This building was no longer present during the 2007 site visit.

LA structures were not detected on samples collected in the following buildings:

- Plywood plant (BD-002099)
- Finger joint plant (BD-002097)
- Log yard break building (BD-002100)
- Log yard storage building (BD-002101)
- Log yard pump house (BD-002103)
- Double wide trailer (BD-002107)
- Astrodome (BD-002262)
- Pipe shop (BD-002263)
- Power house office (BD-002265)
- Power house (BD-002266)
- Lumber kilns (BD-002267)
- Shed 12 (BD-002268)

Logbook notes and field sample data sheets are provided in Appendix D. Figure 2-6 illustrates the location of all soil and dust samples collected as well as their analytical results for LA.

2.3.3 Bulk Sampling

2.3.3.1 Sample Locations

The roofing material on the Former Mobile Shop (a subarea of the central maintenance building; refer to Section 3 for more detailed subarea descriptions) was composed of a 4-inch layer of aerated concrete atop the tongue and groove ceiling of the building. Samples were collected from the south and east areas of this roof because the vermiculite-containing building material (VCBM) was severely friable

and degraded. Samples were also collected from the roofing material of the Former E&W Area A because it is made of the same VCBM as the Former Mobile Shop. Samples were not collected from the lower roof of the Former Mobile Shop because it is undamaged and in good condition. Samples were also not collected from the Former E&W Area B because the roof does not contain aerated concrete VCBM.

2.3.3.2 Sample Collection

Three bulk samples were collected from friable VCBM of the Former Mobile Shop in March 2004. Two additional bulk samples were collected from the Former E&W Area A roofing material in August 2004.

All bulk samples collected in 2004 were collected from the friable roofing material in accordance with Code of Federal Regulations Title 40 Part 763.86 (Asbestos Hazard Emergency Response Act Sampling Requirements) and as referenced in the PDIWP (CDM 2003).

2.3.3.3 Sample Analysis

Bulk samples were analyzed by EMSL in Libby, Montana in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 9002, Asbestos (bulk) by PLM.

2.3.3.4 Sample Results

All three field samples collected in March 2004 from the aerated concrete roof of the Former Mobile Shop had LA detected at a concentration of <1%. The two field samples collected in August 2004 from the Former E&W Area A were non-detect for LA. Table 2-8 summarizes the analytical results for each sample as well as identifying the sample type, and sample locations. Logbook notes and field sample data sheets are provided in Appendix F.

2.3.4 Surface Water Sampling

Groundwater in Libby was found to be contaminated with pentachlorophenol, polycyclic aromatic hydrocarbons, and heavy metals due to historic disposal and spilling of wood treating fluids at the Former Champion International lumber and plywood mill site between 1946 and 1969. Soil within the confines of the facility was also contaminated with pentachlorophenol, polycyclic aromatic hydrocarbons, and, to a lesser extent, dioxins. The site was added to the National Priorities List in 1983. Site soils were remediated by 1988 and groundwater continues to be pumped, treated, and monitored.

In response to community concern about the possibility of contaminant loading from the Former Champion International Superfund Site into the water supply, surface water samples were collected by CDM in 2006.

As mentioned above, ecological receptors and environmental impacts will be characterized as part of OU4. Sampling data regarding Libby Creek water samples are presented in this OU5 summary report for informational purposes only.

Figure 2 - 3
Demolition Derby Track
Soil Sampling Locations July 1, 2004

Stimson Lumber Company
Libby Asbestos Project
Libby, Montana

CDM

Table 2-3 Summary of Soil Sample Results for BMX Track Sampling, May 2004

Sample ID	Parent ID	Sample Group (Grid #)	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM						Field Comments Regarding Visible Vermiculite in Sample
										Method	LA Bin	LA (%)		C (%)		
CS-18433-FG1		9	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18434-FG1		13	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18435-FG1		1	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18436-FG1		6	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		Vermiculite observed
CS-18437-FG1		5	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18438-FG1		14	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18439-FG1		3	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18440-FG1		2	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18484-FG1		11	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18485-FG1		4	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		Trace vermiculite observed
CS-18486-FG1		6	Subsurface soil	Field Sample	Composite	4	6	12	5/15/2004	PLM-VE	A	ND		ND		Trace vermiculite observed
CS-18488-FG1		10	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18489-F		8	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18490-FG1		16	Surface soil	Field Sample	Composite	5	0	1	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18491-FG1		15	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18492-FG1		Stockpile in Grid 13	Surface soil	Field Sample	Composite	2	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18493-FG1		Stockpile in Grid 7	Surface soil	Field Sample	Composite	2	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18494-FG1		7	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18495-FG1		Stockpile in Grid 1	Surface soil	Field Sample	Composite	2	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18496-FG1	CS-18492	Stockpile in Grid 13	Surface soil	Field Duplicate	Composite	2	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18497-FG1		12	Surface soil	Field Sample	Composite	5	2	6	5/15/2004	PLM-VE	A	ND		ND		No vermiculite observed
CS-18498-FG1		3	Subsurface soil	Field Sample	Composite	4	6	12	5/15/2004	PLM-VE	A	ND		ND		Trace vermiculite observed

Notes:

in- inches
bgs- below ground surface
PLM- polorized light microscopy
VE- visual estimation
LA- Libby amphibole
C- Chrysotile
%- percent
ND- non-detect
TR- trace

2.3.4.1 Sample Locations

The samples were collected from a well-mixed zone near the center portion of the stream, to the extent that the creek could be safely waded. A sample was collected from an upstream location (at approximately the influent ditch to the Fire Pond), a location adjacent to the Site, and one downstream location (approximately the dike area between the settling ponds and the creek), for a total of three samples.

2.3.4.2 Sample Collection

Two surface water sampling events took place to capture both high flow and low flow runoff conditions. A total of 6 water samples were collected in downstream to upstream order, at locations downstream, midriver, and upstream of the Site.

Sampling consisted of collecting grab water samples in accordance with CDM Standard Operating Procedure 1-1, Surface Water Sampling and the SAP for Libby Creek Surface Water (CDM 2006). Sampling took place on April 18, 2006 and on September 19, 2006.

2.3.4.3 Sample Analysis

Samples were analyzed for water quality parameters, total metals, volatile organic compounds and semi-volatile organic compounds. CDM's subcontractor, Alpha Analytical, performed the analyses.

2.3.4.4 Sample Results

Table 2-9 provides the analytical data from each sampling event. In general, there were no significant contaminants of concern detected in the water samples, and no significant analytical differences between the sample upstream from the site and downstream from the site.

Logbook notes and field sample data sheets are provided in Appendix G.

2.3.5 Wood Chip Pile Sampling

In response to an inquiry from LCPA regarding the levels of LA contamination in the wood chip piles remaining at the Site, EPA has requested a sampling plan for implementation in 2007. Preliminary sampling plans prescribe a total of five 30 point samples to be collected from the 400,000 yd^3 of wood chip material in five stockpiles. The depth range of samples collected will vary to represent possible contamination throughout the stockpiles. These samples will be analyzed for LA by PLM using NIOSH Method 9002 at the onsite EMSL laboratory in Libby, Montana.

Once sampling has been conducted, these data will be incorporated into this summary.

2.4 Quality Assurance/Quality Control

CDM has established a formal quality assurance program to ensure consistently high quality project deliverables. The field quality assurance program was designed in accordance with CDM's RAC VIII *Quality Management Plan,* Revision 1 (CDM 2002d).

For work conducted by CDM in Libby, quality assurance/quality control (QA/QC) measures include the collection of QC samples (such as soil duplicate samples and field blanks), implementation of a laboratory quality assurance program, review of project reports by a CDM-approved quality assurance staff member, and an auditing component to assess the effectiveness of the quality assurance program. The following sections describe deviations from the Stimson Lumber Company SAP (CDM 2002c), Addendum (CDM 2002b), and the implications of those deviations on project or data quality objectives.

2.4.1 Deviations from the Sampling and Analysis Plan

2.4.1.1 Deviations During Soil Sample Collection

All sampling was completed in accordance with the Final SAP for the RI CSS, Libby Asbestos Site, OU4, Libby, Montana (2002a) and the site specific Final SAP Addendum for the Stimson Lumber Company Area (CDM 2002b). Deviations from the SAP and SAP addendum are addressed in Sections 2.4.1.1.1 and 2.4.1.1.2.

2.4.1.1.1 October 2002 Site Wide Soil Sampling Event

All sampling procedures detailed in the SAP Addendum (CDM 2002b) were followed except the number of collected samples compared to the number of estimated samples. Table 2-2 summarizes the number of surface and subsurface samples collected versus the number estimated in the SAP Addendum (CDM 2002b). Differences in the number of samples collected versus the number of samples estimated for each subarea are explained below.

Railroad Spur
The SAP Addendum (CDM 2002b) called for 20 surface samples to be collected along the railroad spur; 14 samples were actually collected. Composite samples were collected along the railroad spur to 900 feet north of the former popping plant location (just to the north of 5th Street). Because no vermiculite was observed in the area of the spur north of the popping plant and a distance of 900 feet had already been sampled, additional surface soil samples were not collected.

This deviation does not impact the data quality objectives (DQOs) for this event, because all samples north of the popping plant were non-detect for LA.

Southwest Area
The SAP Addendum (CDM 2002b) called for 23 surface and four subsurface samples to be collected in the southwest subarea. Thirteen surface and two subsurface samples were actually collected during the investigation. Seven of the proposed surface soil sampling locations were located within the Champion International Corporation Superfund Site and three were located in a wooded area in the southwest portion of this subarea that was not owned by Stimson; these 10 samples were not collected due to their location on an existing Superfund site and private property that was not part of Stimson. Two of the proposed subsurface locations were also located within the Champion International Corporation Superfund Site and were not sampled.

This deviation does not impact the DQOs for this event, because all areas previously owned by Stimson Lumber were sampled.

Former Champion International Tree Nursery
The SAP Addendum (CDM 2002b) called for 14 surface samples to be collected in the former Champion International tree nursery area; 11 samples were actually collected. Three of the proposed surface soil sampling locations were located within the Champion International Corporation Superfund Site and were not sampled.

This deviation does not impact the DQOs for this event, because all areas previously owned by Stimson Lumber were sampled.

2.4.1.1.2 May 2004 BMX Track Soil Sampling Event

All sampling procedures detailed in the SAP Addendum (CDM 2002b) and the BMX sampling letter (CDM 2004b), were followed except where discussed below.

BMX Track Area and Grid Layout
The BMX sampling letter (CDM 2004b) indicates the track measures approximately 90,000 ft^2, as taken from aerial photographs of the area, and a grid system of 9 100-ft by 100-ft grids be applied to the area for sample collection.

When field personnel arrived to begin placing the sampling grids for sampling in the track area, the actual area of the track was found to cover approximately 140,000 ft^2. Due to the larger size of the track area, a grid system of 16 grids was applied to the area for sample collection. Twelve of the grids measured 100-ft by 100-ft, and 4 grids were approximately 50-ft by 100-ft. Figure 2-2 illustrates the grid system used to sample the track area.

This deviation does not impact the DQOs for this event, because all areas of the proposed track location were sampled.

Number and Depth of Samples Collected
The BMX sampling letter (CDM 2004b) proposed one 5-point composite surface (0 to 6") soil sample and one 5-point composite subsurface (12 to 24") soil sample be collected from each of nine grids during sampling. As stated above, initial measurements indicated the track area would be included within 9 100-ft by 100-ft grids and this would result in the collection of 18 samples (one surface and one subsurface sample from each of nine grids).

Due to the larger size of the track area (~50,000 ft^2 larger), a grid system of 16 grids was applied to the area for sample collection. The following changes to the sampling procedures were made due to the larger size of the track area:

- To minimize the number of samples collected, but still allow for adequate characterization of the area, one 5 point composite surface sample from 0-1" bgs was collected from eight of the 16 grids.

- In addition to minimizing the number of samples to be collected, the depth to which soils were disturbed during the bulldozing activities was difficult to determine, as a result one 5 point composite surface sample from 2-6" bgs was collected from eight of the 16 grids where samples from 0-1" bgs were not collected.

- Two 5 point composite subsurface samples from 6-12" bgs were collected from two grids (#3 and #6) where vermiculite was observed at this depth. Only two samples were collected from this depth in order to minimize the number of samples collected, but still allow for adequate characterization of the area and because the depth to which soils were disturbed during the bulldozing activities was difficult to determine.

- Samples were not collected from 12-24" bgs because the depth to which soils were disturbed during the bulldozing activities was difficult to determine.

This deviation does not impact the DQOs for this event, because all areas of the proposed track location were sampled.

Table 2-4 summarizes the number of samples proposed for collection in the BMX sampling letter (CDM 2004b) versus the samples collected.

Stockpile Samples
Due to the regrading activities before sampling occurred, several piles of soil removed were located in the track area. One 5 point composite surface sample from 2-6" below the surface of each stockpile was collected from three randomly selected stockpiles.

This deviation does not impact the DQOs for this event, because all areas of the proposed track location were sampled.

2.4.1.2 Deviations During Dust Sample Collection

All sampling was completed in accordance with the *Property Specific SAP, Air and Dust Sampling for Stimson Lumber Company, Libby Asbestos Project, Libby, Montana* (CDM 2002c).

The Stimson Lumber Company SAP (CDM 2002c) stated that one dust sample was to be collected in buildings that do not contain identified vermiculite. In three such buildings, two dust samples were collected. Due to the large size of these buildings, two samples better characterized the interior of the building space.

2.4.2 Corrective Actions

Since none of the deviations during any soil or dust sampling events at Stimson Lumber impacted the DQOs, there were no corrective actions required.

2.4.3 Achievement of Data Quality Objectives

The data quality objectives of all soil, dust, and bulk sampling investigations were met.

2.4.4 Discussion of Quality Control Results

Laboratory analysis of the lot blanks indicated asbestos fiber counts were below the detection limit of the analytical method. Laboratory analysis of the field blanks indicated asbestos fiber counts were below the detection limit of the analytical method. The QC results indicate that the sampling cassettes were not contaminated with asbestos when received from the supplier and that cassettes were not contaminated when they were handled in the field.

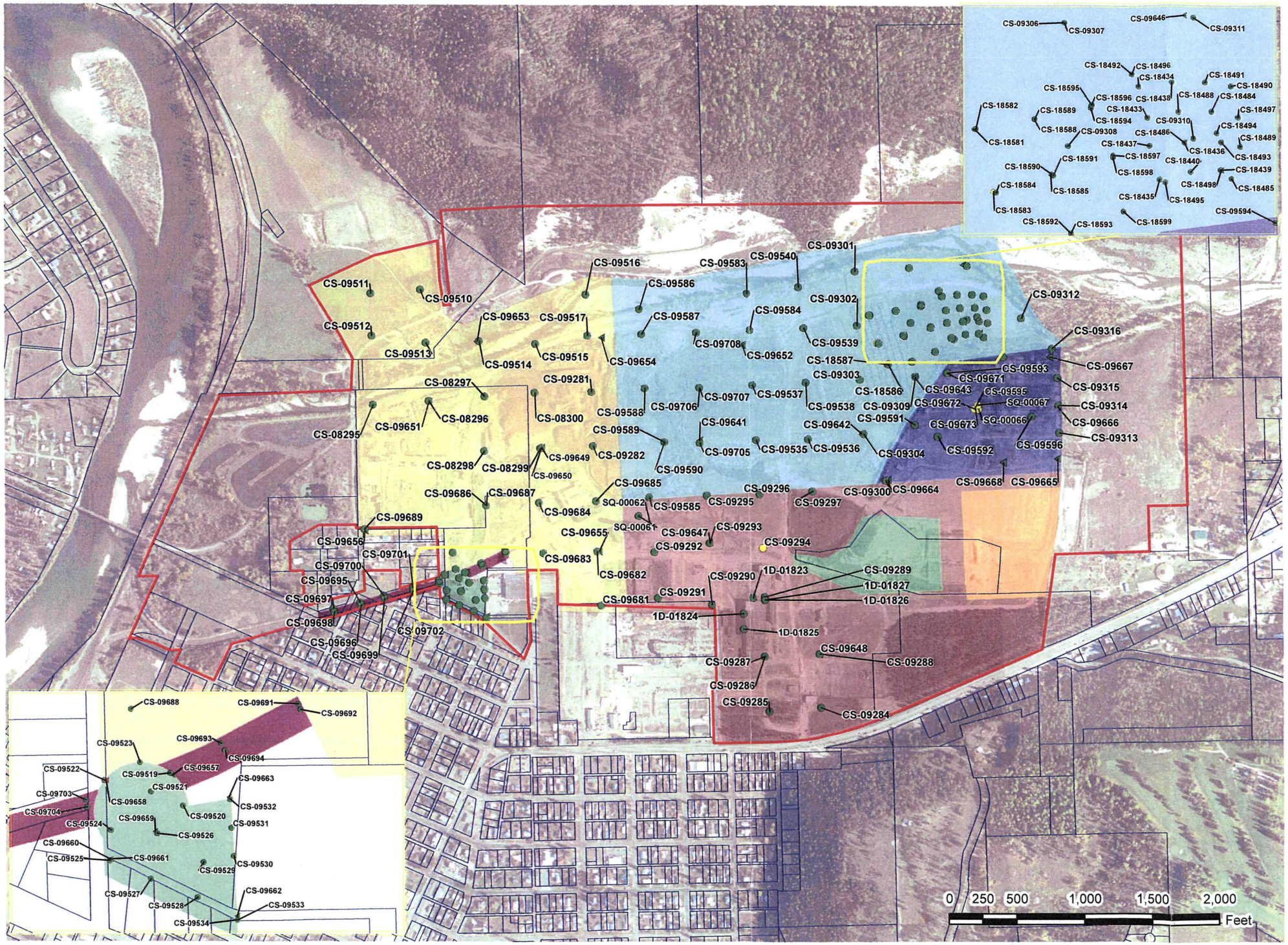
2.4.5 Data Validation and Reporting

None of the analytical data contained in this report was further validated beyond that performed by the laboratory as part of their QA/QC program. Therefore, it is assumed that the raw data are useable for their intended purpose, which is to determine the extent of LA contamination at the Site.

Figure 2-4

Soil Sample Locations
Stimson Lumber Company

Libby, Montana



Legend

Soil Samples

- Non-detect, surface soil
- Non-detect, subsurface soil
- Trace (<0.2 % Libby Amphibole), surface soil
- < 1% Libby Amphibole, subsurface soil
- OU5 Boundary
- Parcels

Subareas

- Former Champion International Tree Nursery
- Former Popping Plant
- Log Storage Area
- Lumber Yard
- Railroad Spur
- Southwest Area
- Sprinkler Field
- Superfund Site

CDM

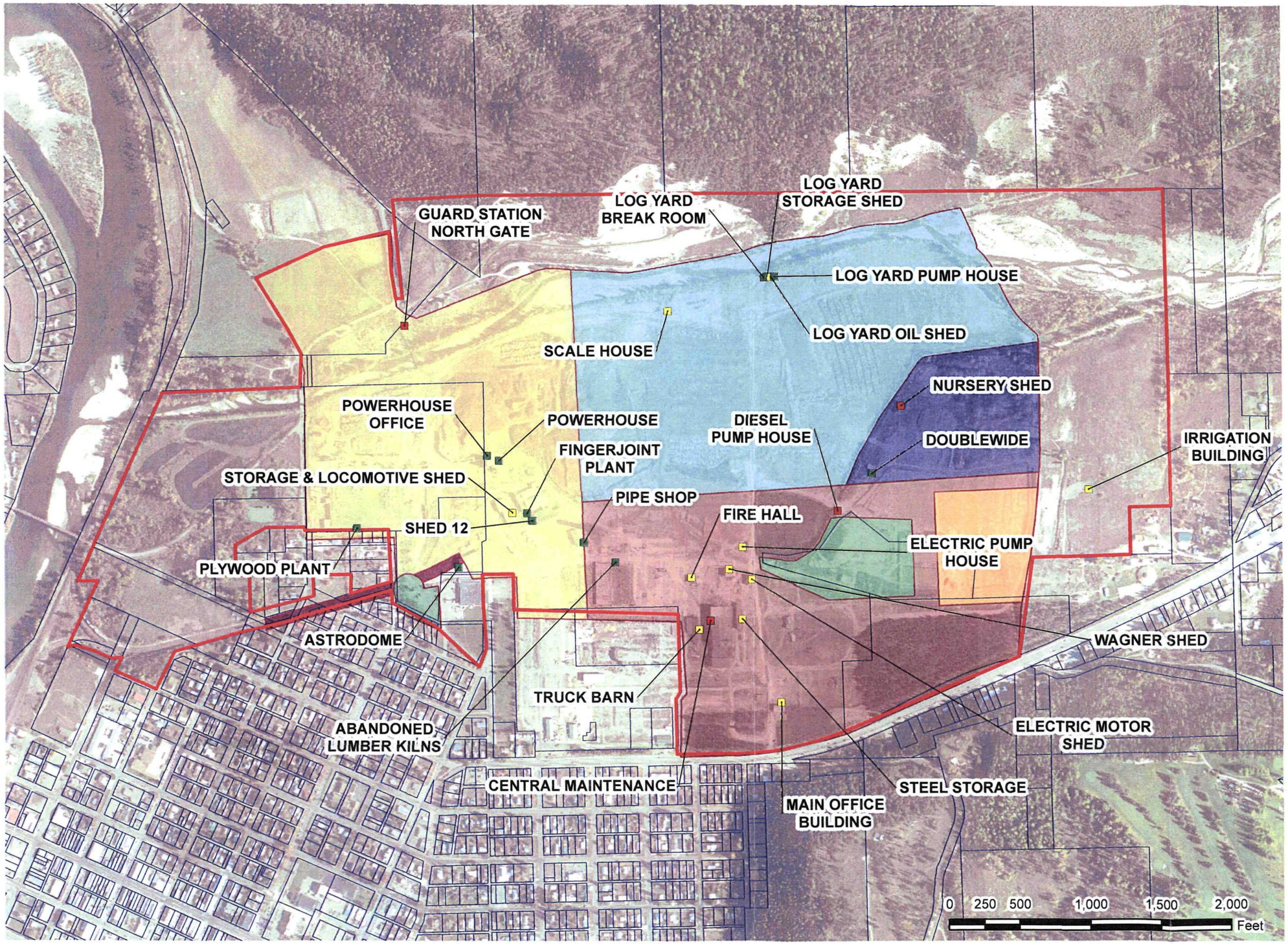
Document: D:\Libby\GIS\070523_Figure2-4_SoilSamples_Stimson.mxd

Text

Figure 2-5

Building and Dust Sample Locations Stimson Lumber Company

Libby, Montana



Legend

Dust Samples

- Less than 5,000 s/cm2
- Greater than 5,000 s/cm2
- Non-detect
- OU5 Boundary
- Parcels

Subareas

- Former Champion International Tree Nursery
- Former Popping Plant
- Log Storage Area
- Lumber Yard
- Railroad Spur
- Southwest Area
- Sprinkler Field
- Superfund Site

N E S W

CDM

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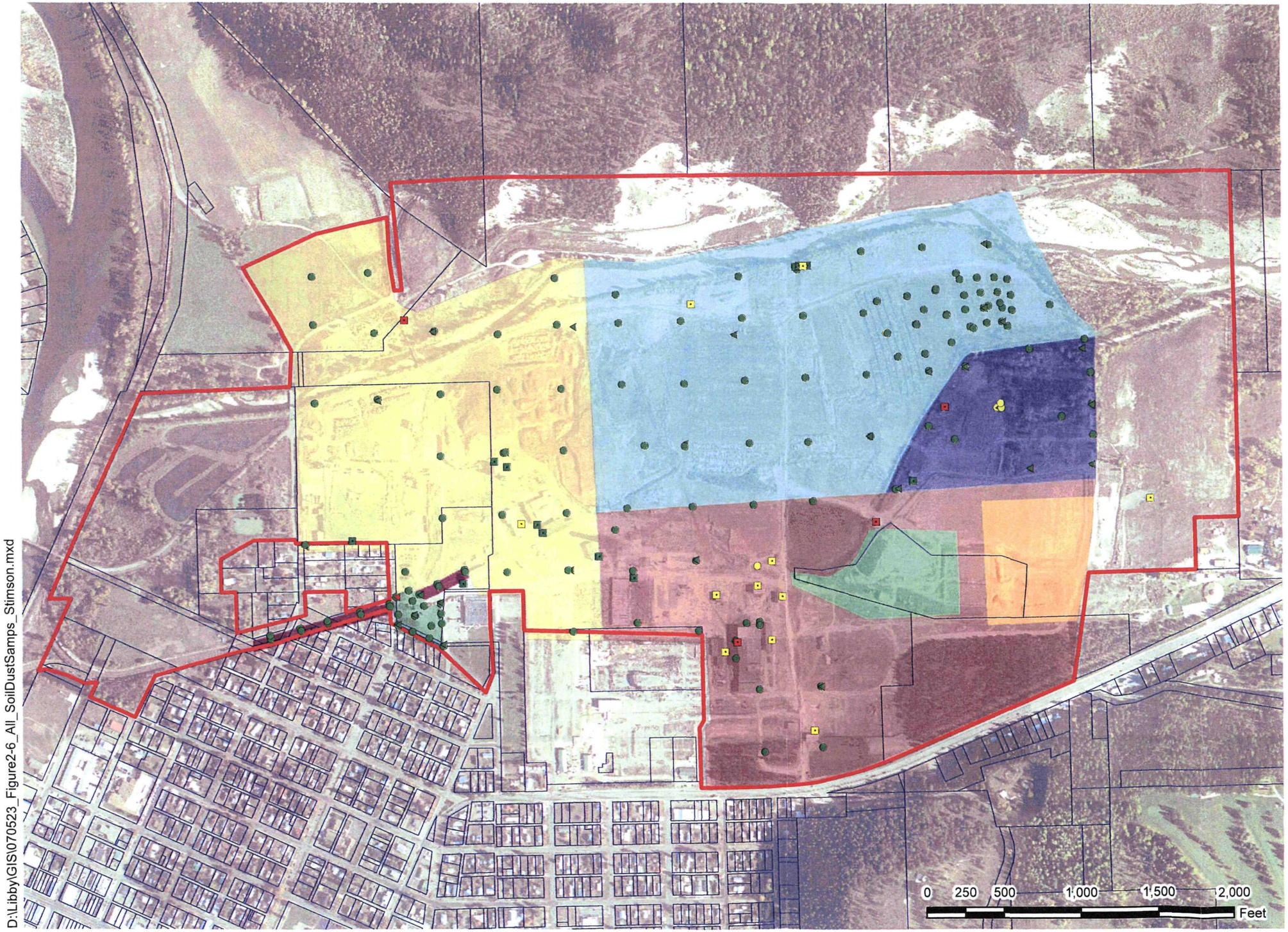

Figure 2-6

Soil and Dust
Sample Locations
Stimson Lumber Company

Libby, Montana

Legend

Soil Samples

- Non-detect, surface soil
- Non-detect, subsurface soil
- Trace (<0.2 % Libby Amphibole),surface soil
- < 1% Libby Amphibole, subsurface soil

Dust Samples

- Less than 5,000 s/cm2
- Greater than 5,000 s/cm2
- Non-detect
- OU5 Boundary
- Parcels

Subareas

- Former Champion International Tree Nursery
- Former Popping Plant
- Log Storage Area
- Lumber Yard
- Railroad Spur
- Southwest Area
- Sprinkler Field
- Superfund Site

N E S W

CDM

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Table 2-4 Summary of Surface and Subsurface Soil Samples Collected Versus Estimated for BMX Track Soil Sampling, May 2004

Grid Number	Surface Samples (0-1" bgs)		Surface Samples (2-6" bgs)		Subsurface Samples (6-12" bgs)		Subsurface Samples (12-24" bgs)	
	Estimated	Collected	Estimated	Collected	Estimated	Collected	Estimated	Collected
1	1	1	0	1	0	0	1	0
2	1	0	0	1	0	0	1	0
3	1	1	0	0	0	1	1	0
4	1	0	0	1	0	0	1	0
5	1	0	0	1	0	0	1	0
6	1	1	0	0	0	1	1	0
7	1	0	0	2	0	0	1	0
8	1	1	0	0	0	0	1	0
9	1	1	0	0	0	0	1	0
10	0	0	0	1	0	0	0	0
11	0	1	0	0	0	0	0	0
12	0	0	0	1	0	0	0	0
13	0	0	0	2	0	0	0	0
14	0	1	0	0	0	0	0	0
15	0	0	0	1	0	0	0	0
16	0	1	0	0	0	0	0	0
Total	**9**	**8**	**0**	**11**	**0**	**2**	**9**	**0**

Total Number Estimated = 18
Total Number Collected = 21

Notes:
Only 9 grids were proposed in the BMX letter (CDM 2004a).
"- inches
bgs- below ground surface

Table 2-5 Summary of Soil Sample Results for PDI Sampling, May 2004

Sample ID	Parent ID	Sample Group	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM						Field Comments Regarding Visible Vermiculite in Sample
										Method	LA Bin	LA (%)		C (%)		
1D-01823-FG1		Property	Surface soil	Field Sample	Composite	5	0	1	5/12/2004	PLM-VE	A	ND		ND		No vermiculite observed
1D-01824-FG1		Property	Surface soil	Field Sample	Composite	5	0	1	5/12/2004	PLM-VE	A	ND		ND		Vermiculite observed
1D-01825-FG1		Property	Surface soil	Field Sample	Composite	5	0	1	5/12/2004	PLM-VE	A	ND		ND		No vermiculite observed
1D-01826-FG1		Property	Surface soil	Field Sample	Composite	5	0	1	5/12/2004	PLM-VE	A	ND		TR		Vermiculite observed
1D-01827-FG1	1D-01826	Property	Surface soil	Field Duplicate	Composite	5	0	1	5/12/2004	PLM-VE	A	ND		ND		Vermiculite observed

Notes:

in- inches
bgs- below ground surface
PLM- polorized light microscopy
VE- visual estimation
LA- Libby amphibole
C- Chrysotile
%- percent
ND- non-detect
TR- trace

Table 2-6 Summary of Soil Sample Results for Demolition Derby Track Sampling, July 2004

Sample ID	Parent ID	Sample Group (Grid #)	Matrix	Category	Sample Type	Number of Subsamples	Top Depth (in bgs)	Bottom Depth (in bgs)	Sample Date	PLM					
										Method	LA Bin	LA (%)		C (%)	
CS-18581-FG1		1	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18582-FG1		1	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18583-FG1		2	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	B1	TR		ND	
CS-18584-FG1		2	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18585-FG1		2,4,6,7,9	Subsurface soil	Field Sample	Composite	5	6	12	7/1/2004	PLM-VE	A	ND		ND	
CS-18586-FG1		3	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18587-FG1		3	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18588-FG1		4	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18589-FG1		4	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18590-FG1		5	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18591-FG1		5	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18592-FG1		6	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18593-FG1		6	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18594-FG1		7	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18595-FG1		7	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18596-FG1		8	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18597-FG1		8	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	
CS-18598-FG1		9	Surface soil	Field Sample	Composite	5	0	1	7/1/2004	PLM-VE	A	ND		ND	
CS-18599-FG1		9	Surface soil	Field Sample	Composite	5	2	6	7/1/2004	PLM-VE	A	ND		ND	

Notes:

in- inches
bgs- below ground surface
PLM- polorized light microscopy
VE- visual estimation
LA- Libby amphibole
C- Chrysotile
%- percent
ND- non-detect
TR- trace

Table 2-7 Microvacuum Dust Sampling Results

Building	Location Description		Subsample Locations (100 cm²)	Analytical Method		Sample Date	Libby Amphiboles (LA) Total Conc. LA	Libby Amphiboles (LA) Total Count LA	Chrysotile (C) Total Conc. C	Chrysotile (C) Total Count C	Other Amphiboles (OA) Total Conc. OA	Other Amphiboles (OA) Total Count OA
			Center of main section									
			West end of main section									
Nursery Shed	Concrete floor	1-06850	West room, center of floor	ISO	300	5/2/2002	0	0	0	0	0	0
	Standing wood, debris removed		Top of wood piles at east end of main section									
			Top of wood pile at west end of main section									
Nursery Shed	from walls	1-06857	South wall, west room on ground level, horizontal beam	ISO	300	5/2/2002	7,024	6	9,365	8	0	0
	central maintainance		Floor in front of sliding door to main area									
			Floor in front of rear sliding door, opposite above									
Central Maintenance	building	SL-00059	Blade on large fan stored in rear corner	ISO	300	9/12/2002	4,412	1	0	0	0	0
			On workbench near machine shop door									
	South end of CM		In front of third vehicle door from south end									
Central Maintenance	building	SL-00060	Center of fourth vehicle area from south end	ISO	300	9/12/2002	882	1	2,647	3	0	0
			Workbench in rear of Cummins Engine Room									
	Center of CM		Between 5th vehicle door from south & Cat engine room									
Central Maintenance	building	SL-00061	Top of large jack stand near door	ISO	300	9/12/2002	8,823	2	0	0	0	0
			On shelf in warehouse in NE corner of building									
	Northern end of		On top shelf in NE corner of main work area									
Central Maintenance	CM bldg	SL-00062	Floor in center of north end of building	ISO	300	9/12/2002	0	0	0	0	0	0
	Spervisor's office		Top of CB unit in supervisor's office									
	and break room,		Top of refrigerator in break room									
Central Maintenance	CM building	SL-00064	Top of soda machine in break room	ISO	300	9/12/2002	882	1	0	0	0	0
	Horizontal		Room 12-4; South shelf									
	surface & high		Room 12-4; West shelf									
Central Maintenance	traffic area	1D-01715	Room 12-4; Center of floor	ASTM	300	4/19/2004	< 453	0	< 453	0	< 453	0
	Horizontal		Room 12-3; East shelf									
	surface & high		Room 12-3; West shelf									
Central Maintenance	traffic area	1D-01716	Room 12-3; Center of floor	ASTM	300	4/19/2004	< 494	0	< 494	0	< 494	0
	Horizontal		Room 12-2; Entry floor									
	surface & high		Room 12-2; North shelf									
Central Maintenance	traffic area	1D-01717	Room 12-2; North shelf	ASTM	300	4/19/2004	< 494	0	< 494	0	< 494	0
	Horizontal		Room 11-1; Entryway floor									
	surface & high		Room 11-1; Top of east table									
Central Maintenance	traffic area	1D-01718	Room 11-1; West shelf	ASTM	300	4/19/2004	< 494	0	< 494	0	< 494	0
	Horizontal		Rooms 7-1 & 8-1; Entryway floor									
	surface & high		Rooms 7-1 & 8-1; West shelf									
Central Maintenance	traffic area	1D-01719	Rooms 7-1 & 8-1; West shelf	ASTM	300	4/19/2004	< 453	0	< 453	0	< 453	0
	Horizontal		Rooms 6-1 to 6-4; Entryway floor									
	surface & high		Rooms 6-1 to 6-4; Central flooring									
Central Maintenance	traffic area	1D-01720	Rooms 6-1 to 6-4; South shelf	ASTM	300	4/19/2004	< 453	0	< 453	0	< 453	0
	Horizontal		Room 4-1; Entryway floor									
	surface & high		Room 4-1; West shelf									
Central Maintenance	traffic area	1D-01722	Room 4-1; Central flooring	ASTM	300	4/19/2004	< 494	0	< 494	0	< 494	0

Table 2-7 Microvacuum Dust Sampling Results

Building	Location Description		Subsample Locations (100 cm²)	Analytical Method		Sample Date	Libby Amphiboles (LA)			Chrysotile (C)			Other Amphiboles (OA)		
								Total Conc. LA	Total Count LA		Total Conc. C	Total Count C		Total Conc. OA	Total Count OA
Central Maintenance	Horizontal surface & high traffic area	1D-01723	Room 1-1; North entryway floor Room 1-1; South shelf Room 1-1; Central flooring	ASTM	300	4/19/2004	<	494	0	<	494	0	<	494	0
Central Maintenance	Horizontal surface & high traffic area	1D-01747	Room 2-1; South shelf Room 2-1; Central flooring Room 2-1; East shelf	ASTM	300	4/30/2004	<	483	0		3,864	8	<	483	0
Central Maintenance	Horizontal surface & high traffic area	1D-01749	Rooms 5-1 to 5-7; carpeting on central floor Room 5-1; flooring Room 5-5; flooring	ASTM	300	4/30/2004	<	483	0	<	483	0	<	483	0
Central Maintenance	Horizontal surface & high traffic area	1D-01750	Room 7-2; East shelf central floor Room 7-2; Central floor Room 7-2; Floor at west end	ASTM	300	4/30/2004	<	483	0	<	483	0	<	483	0
Central Maintenance	Horizontal surface & high traffic area	1D-01751	Room 7-3; North shelf S shelf Room 7-3; South shelf Room 7-3; Center of floor room	ASTM	300	4/30/2004		483	1		1,449	3	<	483	0
Central Maintenance	Horizontal surface & high traffic area	1D-01752	Room 8-4; Floor of room 8-4 Room 8-4; South shelf Room 8-5; Center floor in room	ASTM	300	4/30/2004		1,449	3		14,490	30	<	483	0
Central Maintenance	Horizontal surface & high traffic area	1D-01753	Room 9-3; West shelf Room 9-3; Central floor Room 10-2; Central floor	ASTM	300	4/30/2004	<	483	0	<	483	0	<	483	0
Central Maintenance	Horizontal surface & high traffic area	1D-01754	Room 10-3; flooring Room 12-5; Desk in room Room 10-5; flooring	ASTM	300	4/30/2004	<	483	0		483	1	<	483	0
Central Maintenance	Second Floor	1D-01755	Room 8A; flooring Room 8B; floor at top of steps Room 8B; storage shelf	ASTM	300	4/30/2004		483	1	<	483	0	<	483	0
Central Maintenance	Second Floor	1D-01756	Room 10A; flooring Room 10C; flooring Room 10D; storage shelf	ASTM	300	4/30/2004	<	483	0		41,537	86	<	483	0
Central Maintenance	Second Floor	1D-01757	Room 8C; Top of steps Room 8C; Top of paper towel dispenser Room 8C; Back of toilet	ASTM	300	4/30/2004		531	1		14,876	28	<	531	0
Central Maintenance	First Floor	1D-01758	Room 13-1; North section floor Room 13-1;Center of room on floor Room 13-1; Workbench in south section room	ASTM	300	4/30/2004	<	483	0		483	1	<	483	0
Central Maintenance	First Floor	1D-01759	Room 18-1; Flooring Room 16-1; Southwest section flooring Room 16-1; Center of main floor	ASTM	300	4/30/2004		966	2		8,694	18	<	483	0
Central Maintenance	First Floor	1D-01760	Room 17-3; Center of floor in room Room 17-2; Entry floor Room 17-2; Top of key box	ASTM	300	4/30/2004	<	483	0	<	483	0	<	483	0

Table 2-7 Microvacuum Dust Sampling Results

Building	Location Description		Subsample Locations (100 cm²)	Analytical Method		Sample Date	Libby Amphiboles (LA) Total Conc. LA	Libby Amphiboles (LA) Total Count LA	Chrysotile (C) Total Conc. C	Chrysotile (C) Total Count C	Other Amphiboles (OA) Total Conc. OA	Other Amphiboles (OA) Total Count OA
			Room 17-3; Center of floor in room									
			Room 17-2; Entry floor									
Central Maintenance	First Floor	1D-01789	Room 17-2; Top of key box	ASTM	300	4/30/2004	< 483	0	< 483	0	< 483	0
			Room 17-1; Center of floor									
			Room 17-1; West shelf									
Central Maintenance	First Floor	1D-01790	Room 17-1; East shelf	ASTM	300	4/30/2004	< 483	0	< 483	0	< 483	0
			Room 19-1; Floor at south end									
			Room 19-1; Floor at north end									
Central Maintenance	First Floor	1D-01791	Room 19-1;Center floor	ASTM	300	4/30/2004	< 483	0	966	2	< 483	0
			Floor in front of front door									
	Former lunch room (now storage)		Floor in front of rear door									
Finger Joint		SL-00065	On shelf to left of front door	ISO	300	9/12/2002	0	0	0	0	0	0
			Floor at pedestrian entrance to break room									
	Doorways and entrances		Floor at west vehicle door									
Finger Joint		SL-00066	Floor at entrance to wrap & stack area, from main area	ISO	300	9/12/2002	0	0	882	1	0	0
			Floor at entrance									
			Floor, doorway between rooms									
Logyard break building	N/a	SL-00169	Top of microwave oven	ISO	300	9/15/2002	0	0	882	1	0	0
			Floor at entrance									
			Floor, center of room									
Logyard storage shed	N/a	SL-00170	Top of workbench	ISO	300	9/15/2002	0	0	0	0	0	0
			Floor at entrance									
			Floor, near end of tank									
Logyard - oil storage shed	N/a	SL-00171	On shelf	ISO	300	9/15/2002	4,412	1	0	0	0	0
			Floor at entrance									
			Floor next to engine base									
Logyard - pump house	N/a	SL-00172	On engine base	ISO	300	9/15/2002	0	0	0	0	0	0
			First floor - floor at entrance									
			First floor - desktop									
Logyard-log truck scale shed	N/a	SL-00173	Second floor - doorjamb	ISO	300	9/15/2002	882	1	1,765	2	0	0
			Floor at entrance									
			Floor of doorway between rooms									
Irrigation building	N/a	SL-00174	Floor near center of front (entrance) room	ISO	300	9/15/2002	4,412	1	4,412	1	0	0
			Floor at entrance									
			Top of cabinet									
Diesel fire pump house	N/a	SL-00175	Floor next to pump	ISO	300	9/15/2002	8,823	2	0	0	0	0
			Floor at entrance									
			Floor in front of kitchen area cabinets									
Double wide trailer	N/a	SL-00176	Floor at bathroom entrance	ISO	300	9/15/2002	0	0	4,412	1	0	0
			Floor at front entrance									
			Floor at entrance to extension room									
Electric pump house	N/a	SL-00177	Floor at rear entrance	ISO	300	9/15/2002	4,412	1	13,235	3	0	0

Table 2-7 Microvacuum Dust Sampling Results

Building	Location Description		Subsample Locations (100 cm²)	Analytical Method		Sample Date	Libby Amphiboles (LA)		Chrysotile (C)		Other Amphiboles (OA)	
							Total Conc. LA	Total Count LA	Total Conc. C	Total Count C	Total Conc. OA	Total Count OA
Guard station at Libby Creek bridge	N/a	SL-00178	Floor at entrance Floor at counter to left of door (when looking into booth) Countertop to right of door	ISO	300	9/15/2002	44,116	1	44,116	1	0	0
Plywood plant	Break rooms & offices at finish end	SL-00217	Break room, floor near door to plant Second floor - shift super office, floor near entrance First floor - floor near entrance to plant, NW corner	ISO	300	9/17/2002	0	0	876	1	0	0
Plywood plant	Plugger area	SL-00218	Floor near Plugger No. 1 Floor near Plugger No. 9, storage side Floor near turntable	ISO	300	9/17/2002	0	0	876	1	0	0
Plywood plant	Spreaders and finish end	SL-00219	Floor near spreaders Floor near spreaders	ISO	200	9/17/2002	0	0	60,454	46	0	0
Plywood plant	Green chair	SL-00220	Floor along center of chain, plant side Floor outside lunch/smoking area Floor near lathe	ISO	300	9/17/2002	0	0	0	0	0	0
Plywood plant	Dryer area	SL-00221	Floor near entrance/break room/restrooms Floor near feeder for little dryer Floor at offbearer end, under belt	ISO	300	9/17/2002	0	0	0	0	0	0
Truck barn	North side	SL-00224	Floor near entrance Top of workbench/storage box Floor towards rear of building	ISO	300	9/17/2002	0	0	0	0	0	0
Truck barn	South side	SL-00225	Horizontal beam on dividing wall Doorjamb floor	ISO	200	9/17/2002	2,957	3	986	1	0	0
Steel storage	N/a	SL-00226	Concrete floor Horizontal beam on dividing wall Pipe stored in shed	ISO	300	9/17/2002	526	1	0	0	0	0
Fire hall	N/a	SL-00227	Floor at vehicle entrance Top of workbench Third step up on stairs to second floor	ISO	300	9/17/2002	526	1	526	1	0	0
Wagner shed	N/a	SL-00228	Horizontal beam on side wall Shelf on rear wall	ISO	200	9/17/2002	394	1	394	1	0	0
Electric motor shed	N/a	SL-00229	Floor at overhead door entrance On storage shelf Second floor at entrance to storage area	ISO	300	9/17/2002	329	1	329	1	657	2
Astrodome	N/a	SL-00230	Hoizontal beam on long wall Floor near exposed corner Horizontal base beam on short wall	ISO	300	9/17/2002	0	0	0	0	0	0
Pipe shed	N/a	SL-00231	Floor in front of door Top of workbench Top of storage shelf	ISO	300	9/17/2002	0	0	11,828	9	0	0
Storage and			Floor at center doorway Top of storage bin									

Table 2-7 Microvacuum Dust Sampling Results

Building	Location Description		Subsample Locations (100 cm²)	Analytical Method		Sample Date	Libby Amphiboles (LA)		Chrysotile (C)		Other Amphiboles (OA)	
							Total Conc. LA	Total Count LA	Total Conc. C	Total Count C	Total Conc. OA	Total Count OA
Locomotive Shed	N/a	SL-00232	Between train rail tracks	ISO	300	9/17/2002	751	2	375	1	1,502	4
Power house office	N/a	SL-00237	Floor in front of door Top of refrigerator	ISO	200	9/18/2002	0	0	0	0	0	0
Power House	N/a	SL-00238	Floor in front of door near office Floor in front of door near diesel tanks Horizontal beam in garage	ISO	300	9/18/2002	0	0	0	0	0	0
Lumber kilns	N/a	SL-00239	Floor of infeed at first bay Floor in center of bay No. 15 Floor in center of tunnel of north side	ISO	300	9/18/2002	0	0	8,937	17	0	0
Shed 12	N/a	SL-00240	Floor at north entrance Horizontal beam on wall Floor at top of ramp to FJ building	ISO	300	9/18/2002	0	0	1,752	2	0	0
Stimson Office Building	First Floor	SL-00241	Floor at back entrance Floor mat at front entrance Top of stairs to conference room	ISO	300	9/18/2002	394	3	0	0	657	5
Stimson Office Building	Second Floor	SL-00242	Floor at back entrance Floor in front of men's room Top of refrigerator	ISO	300	9/18/2002	131	1	394	3	0	0

Table 2-8 Summary of Bulk Sample Results for Pre-Design Sampling, 2004

Sample ID	Sample Group	Location Description	Media Type	Matrix	Category	Sample Date	PLM (Method - NIOSH 9002)			
							LA (%)		C (%)	
1D-01784-B	Building	Roofing material	Bulk	Concrete	Field Sample	4/30/2004	<	1	ND	
1D-01787-B	Building	Roofing material	Bulk	Concrete	Field Sample	4/30/2004	<	1	ND	
1D-01788-B	Building	Roofing material	Bulk	Concrete	Field Sample	4/30/2004	<	1	ND	
1D-01978-B	Building	Lowest SW roof with blue draw on roof	Bulk	Insulation	Field Sample	8/12/2004	ND		ND	
1D-01979-B	Building	Mid-heigh roof on S side above the "maintenance"	Bulk	Insulation	Field Sample	8/12/2004	ND		ND	

Notes:

PLM- polorized light microscopy
LA- Libby amphibole
C- Chrysotile
< less than
%- percent
ND- non-detect

Table 2-9 Analytes for Libby Creek Water Samples

	1-08253 (Downstream)	1-08254 (Mid-River)	1-08255 (Upstream)	1-08005 (Downstream)	1-08006 (Mid-River)	1-08007 (Upstream)
Analyte	Concentration (mg/L)			Concentration (mg/L)		
Alkalinity	34	34	32	77	75	75
Total Dissolved Solids	24	44	ND	85	84	86
Total Suspended Solids	9.2	8.5	7.9	ND	ND	ND
Chloride	0.85	0.95	0.79	1.1	1.0	1.0
Sulfate	2.1	2.1	2	2.7	2.7	2.6
Hardness	32	33	30	75	74	73
Aluminum	0.31	0.28	0.27	ND	ND	ND
Antimony	0.00035J	0.00035J	0.00042J	0.00027J	0.00021J	0.00019J
Arsenic	0.0008	0.0007	0.0009	0.0007	0.0005	0.0005
Barium	0.0182	0.0187	0.0158	0.0321	0.0308	0.0308
Cadmium	0.00012J	0.00014J	0.00015J	0.00015J	0.00013J	0.00016J
Calcium	7.9	8.2	7.5	19	18	18
Chromium	0.0005	0.00044J	0.00032J	ND	ND	0.00008J
Cobalt	0.00021J	0.00018J	0.00018J	0.0001J	0.00005J	0.00004J
Copper	0.001	0.0011	0.0025	0.00033J	0.00032J	0.00033J
Iron	0.363	0.336	0.328	0.292	0.129	0.130
Lead	0.0008	0.001	0.001	0.00007J	0.00006J	0.00005J
Magnesium	3	3.1	2.8	6.8	6.7	6.7
Manganese	0.0094	0.0076	0.007	0.0346	0.0010	0.0008
Nickel	0.0005	0.0006	0.0005	0.00016J	0.00011J	0.00009J
Vanadium	0.00045J	0.00045J	0.0004J	0.00015J	0.00012J	0.00008J
Zinc	0.0182	0.025	0.0201	0.0062	0.0053	0.0067

Note: ND –contaminant was not detected
J –concentration reported is below the lowest calibration standard

Section 3
Removal Activities

Between May 5, 2005 and July 21, 2005, removal and restoration activities took place at the central maintenance building that included removal of vermiculite insulation, contaminated dust, contaminated soil, and vermiculite-containing building materials. The central maintenance building was separated into four areas for identification purposes relevant to the Addendum to the Removal Action Work Plan (CDM 2004a) which are described below and illustrated in Figure 3-1:

- Former Mobile Shop - a 45 foot tall structure, approximately 260 feet long and 54 feet wide, located on the north side of the building.
- Former E&W Areas A and B – Two 15-foot tall structures, consisting of multiple spaces. A midline wall divides the two areas along the east-west axis.
  - Area A refers to the space north of the midline wall.
  - Area B refers to the space south of the midline wall.
- Former Lift Truck Barn Area – the western portion of the building, separated from the other two areas by walls.

Additional details regarding the removal action performed at the central maintenance building are presented on the Property Closeout Checklist (Appendix H).

3.1 Vermiculite Insulation Removal

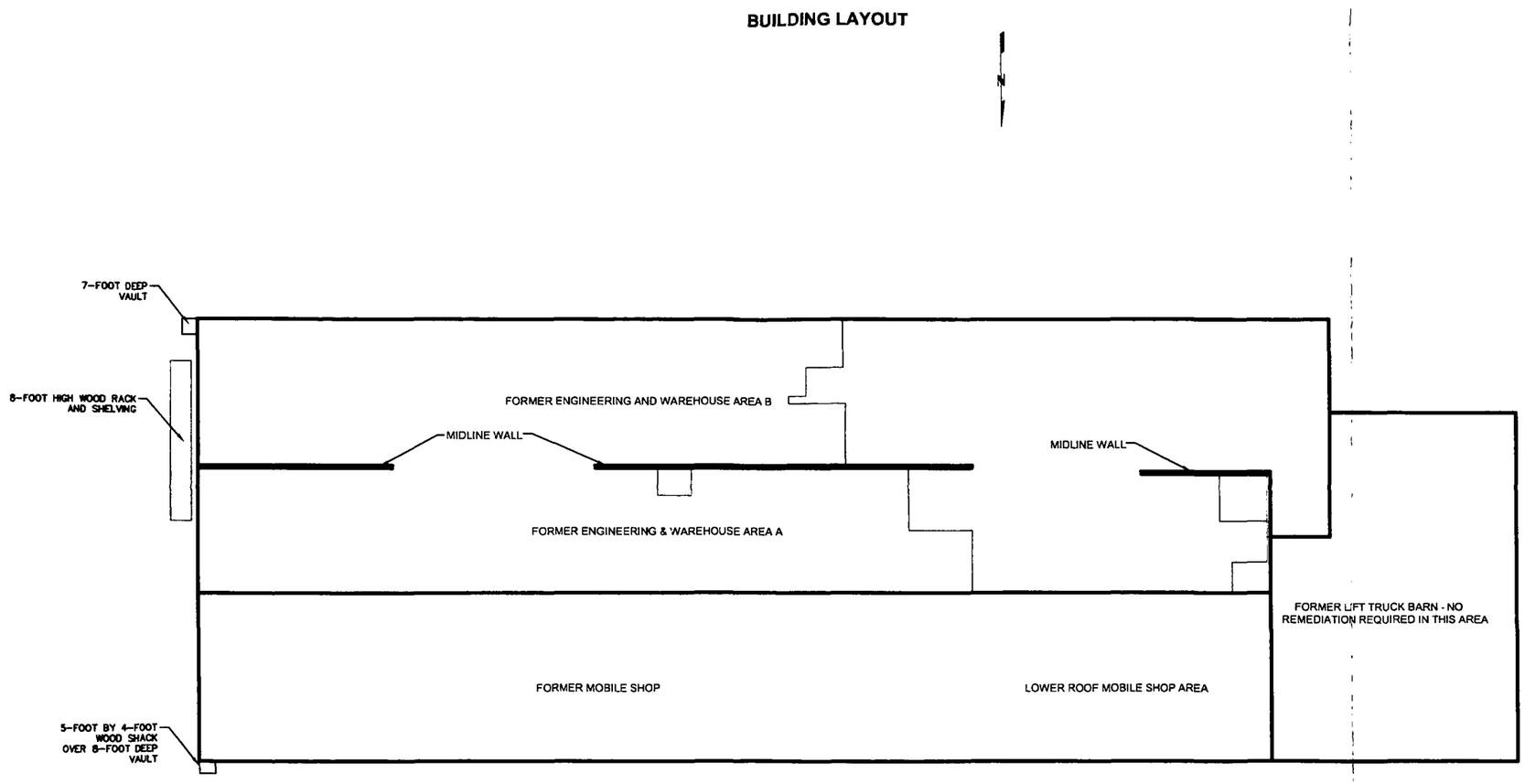
Vermiculite insulation and wall coverings were removed from all accessible walls as prescribed in the Addendum to the Response Action Work Plan (CDM 2004a). Six-inch diameter holes were drilled into the tongue and groove boards in between each framing cavity of the Former Mobile Shop and Former E&W Areas to access the vermiculite. Approximately 408 yd^3 of vermiculite insulation was removed from the walls of the building, and 10 yd^3 of fiberglass insulation. All insulation removed from the building was replaced with fiberglass insulation.

Vermiculite insulation was removed to the extent practical; however at this time, remnants of vermiculite insulation are believed to be present within the wall cavities. A clear encapsulant was applied to all wall cavities that contained vermiculite insulation and exterior surfaces of the walls to seal any remaining LA fibers in place.

3.2 Contaminated Dust (Interior Cleaning) Removal

A full interior cleaning was performed in the Former Mobile Shop. Spot cleanings were performed throughout the building to remove vermiculite insulation observed from the horizontal and high traffic areas. All interior vaults and pits were opened and inspected for vermiculite insulation. Those floor pits that contained vermiculite insulation were cleaned and included in the removal confirmation samples collected

BUILDING LAYOUT



LEGEND

VCI WALL INSULATION

Figure 3-1

Overall Site Layout
Former Stimson Central Maintenance Building
Stimson Lumber Company
Libby, Montana

CDM

for the building. Confirmation air samples were collected at the completing of the vermiculite insulation removal and interior cleanings to ensure that cleanup standards were achieved.

3.3 Contaminated Soil Removal

Surface soil removal was completed along the west side of the building where vermiculite insulation was observed. The soils within the southeast vault were also vacuumed to remove surficial vermiculite insulation. Approximately 10 yd^3 of contaminated soil were removed from the Site and properly disposed. Removal confirmation samples were not collected at the request of the EPA On-Scene Coordinator, and therefore contaminated soil may remain at depth. The excavated areas were not restored to their original grade with backfill materials.

3.4 Vermiculite-Containing Building Materials Removal

The entire Former Mobile Shop roof, including the aerated VCBM concrete and tar paper, was removed (approximately 50 yd^3 of aerated concrete roofing material) and replaced with a rubber-rolled roofing material. The corrugated metal sheeting covering the eastern quarter to the Former Mobile Shop was removed, washed and disposed of as construction debris. Any tar paper underneath the corrugated metal was removal and disposed of as asbestos containing materials. All remaining roof areas covered in friable concrete debris were surface vacuumed.

The small shed on the east end of the north side of the Former Mobile Shop was dismantled and disposed of as an asbestos containing material. The shed was not replaced.

Section 4
References

ASTM. 1995. Standard D-5755-95, Standard Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Concentrations.

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_____. 2004a. Addendum to the Response Action Work Plan for the Former Stimson Central Maintenance Building, Commercial Removal Plan. May 2004.

_____. 2004b. Stimson Lumber Additional Sampling - Track/Garden Plots. May 10, 2004.

_____. 2004c. Investigation Strategy for the Proposed Demolition Derby Plot at the Former Stimson Lumber Site. July 1, 2004.

_____. 2004d. Close Support Facility, Soil Preparation Plan, Revision No. 1, Libby, Montana Asbestos Project, Sample Processing. March.

_____. 2006. Sampling and Analysis Plan for Libby Creek Surface Water, Revision 1. April 2006.

EPA. 2003. Draft Final Technical Memorandum for the Libby Asbestos Site Residential/Commercial Cleanup Action Level and Clearance Criteria. December 2003.

SRC. 2003. Analysis of Asbestos Fibers in Soil by PLM. SRC-LIBBY-03 (Rev. 0). March 3, 2003.

_____. 2005 Supplemental RI Quality Assurance Project Plan. June 2005.

Appendix A

CDM

May 10, 2004

Mr. Jim Christiansen
U.S. Environmental Protection Agency
999 18th Street, Suite 500
Denver, Colorado

Subject: Stimson Lumber Additional Sampling - Track/Garden Plots

Dear Mr. Christiansen:

The purpose of this letter is to propose a sampling plan for two areas on the former Stimson Lumber Company property that the Lincoln County Port Authority is proposing for re-development. According to the Lincoln County Port Authority, some local all terrain vehicle (ATV) and motocross clubs are planning for the construction of an off-road bicycle track near the south eastern boundary of the former Stimson Lumber Company property. In addition, a local garden club is planning to delineate an area on the property for a community garden. A recent site visit conducted by CDM revealed that construction on the track had already begun. The area had been graded by a bulldozer for the track outline. There was no indication that any work had started in the proposed garden area.

During the 2002 Contaminant Screening Study (CSS), an extensive sampling effort was conducted within the boundaries of the former Stimson Lumber Company property. Details of this sampling event can be found in the Final Sampling and Analysis Plan Addendum for the Stimson Lumber Company Area (CDM, August 2002). Results of this sampling effort are illustrated on Figure 1. A total of 127 soil samples were collected from the property. Results are available for 113 of those samples. For the samples where results are available, all but three were nondetect for Libby amphibole (LA) asbestos (Figure 1).

The proposed track area measures approximately 90,000 square feet (ft^2) (Figure 2). One surface (0 to 6 inches) soil sample was previously collected near the area where the track will be constructed (Figure 1). Analytical results for that sample were non-detect for LA. To further delineate the area, CDM proposes that a 100-ft by 100-ft grid system be applied to the track area for additional sampling. Within each 1,000 ft^2 grid, one 5-point composite surface (0 to 1 inch) and one 5-point composite subsurface (12 to 24 inches) sample should be collected. This would results in a total of 18 samples being collected within the proposed track area.

CDM

The proposed garden area measures approximately 90 ft by 90 ft (Figure 3). No previous samples were collected within that area. CDM proposes that one 5-point composite surface (0 to 1 inch) and one 5-point composite subsurface (12 to 24 inches) soil sample be collected within the proposed garden boundary. This would result in a total of 2 soil samples being collected from the proposed garden area.

All samples proposed for this effort should be collected and analyzed in accordance with the Final Sampling and Analysis Plan, Remedial Investigation, Contaminant Screening Study, Revision 1 (CDM, May 2003). Because all previous soil samples collected in and around the proposed track and garden areas were non-detect, it is recommended that this sampling effort be conducted in level D personal protective equipment (PPE).

If all soil sample results from this effort are non-detect for LA, construction of the track and the garden can proceed without further action. However, if any results are greater than non-detect, CDM suggests that work within that site be monitored using personal and perimeter air monitoring during construction activities. Personal air monitors should be worn by construction crew members for up to a week and be analyzed by TEM AHERA for LA. If during monitoring any LA is detected, work should be ceased and construction activities re-evaluated with EPA. Perimeter air monitors should be set up down wind for all work activity throughout construction. Similarly, if any LA is detected, work should be ceased and construction re-evaluated with EPA.

Please feel free to contact me at 720-264-1116 with any questions you may have regarding this matter.

Sincerely,

E-Signed by Jeff G. Montera
VERIFY authenticity with ApproveIt

Jeff Montera
Project Manager
CDM Federal Programs Corporation

Figure 1

Soil Sample Results
October 2002

Stimson Lumber Company
Libby Asbestos Project
Libby, Montana

Legend

Soil Sample Result

- Trace (<0.2% Libby Amphibole) 0 - 6 inches
- Non-detect, 0 - 6 inches
- No data available, 0 - 6 inches
- < 1% Libby Amphibole, 48 - 60 inches
- Non-detect, 48 - 60 inches

N
W E
S

Feet

0 250 500 1,000 1,500

CDM

Figure 2

Sampling Grid and Location of Proposed BMX Bike Track

Stimson Lumber Company
Libby Asbestos Project
Libby, Montana

Legend

- October 2002 Sample Locations (non-detect, 0-6 Inches)
- Proposed BMX Bike Track Boundary
- Sampling Grid Outline (100 x 100 feet)

N
W E
S

Feet
0 50 100 200

CDM

Date: May 10, 2004
ArcMap Build Number: 8.3.0.800
File Name: StimsonLumBMX.mxd

Figure 3

Location of Proposed Community Garden

Stimson Lumber Company
Libby Asbestos Project
Libby, Montana

Legend

- October 2002 Sample Locations (non-detect, 0-6 inches)
- Proposed Garden Boundary

N
W E
S

Feet
0 37.5 75 150

CDM

Date: May 6, 2004
ArcMap Build Number: 8.3.0.800
File Name: StimsenLumCommunGarden.mxd

Appendix B

CDM

July 1, 2004

Mr. Jim Christiansen
U.S. Environmental Protection Agency
999 18th Street, Suite 500
Denver, Colorado 80215

Subject: Investigation Strategy for the Proposed Demolition Derby Plot at the Former Stimson Lumber Site.

Dear Mr. Christiansen,

The purpose of this memorandum is to propose a modification to the sampling plan utilized for delineation and sampling of the proposed off-road bicycle track on the former Stimson Lumber Company property. As you will recall, CDM conducted soil sampling in May to characterize the area that the Lincoln County Port Authority had proposed for an off-road bicycle track. Since that time the Port Authority has informed EPA that a plot directly north of the area sampled, measuring approximately 360,000ft^2, is being proposed for a demo-derby track. CDM proposed the following modification to the sampling plan to characterize this new area for presence of LA asbestos in soils:

- Identify sampling locations using a 200-ft by 200-ft grid system.
- Within each 40,000 ft^2 grid, collect one 5-point composite surface sample (0 to 1 inch) and one 5-point composite subsurface sample (2 to 6 inch).
- From 5 randomly selected grids, collect one 5-point composite sample at depth (6 to 12 inches).
- This would result in a total of 24 samples being collected within the proposed demolition derby track area.

All samples need to be collected in accordance with the Final Sampling and Analysis Plan, Remedial Investigation, Contaminant Screening Study, Revision 1 (CDM, May 2003). In addition, since all previous soil samples collected in and around the proposed area are non-detect, it is recommended that this sampling effort be conducted in level D personal protective equipment (PPE).

If all soil sample results from this effort are non-detect for LA, construction of the track can proceed without further action. However, if any results are greater than non-detect, CDM suggests that work within that site be monitored using personal and perimeter air monitoring during construction activities. Personal air monitors should be worn for up to a week and be analyzed by TEM AHERA for LA. If during monitoring any LA is detected, work should be

CDM

ceased and construction re-evaluated with EPA. Perimeter air monitors should be set up down wind for all work activity throughout construction. Once again, if any LA is detected, work should be ceased and construction re-evaluated with EPA.

Please feel free to contact me at 720-264-1116 with any questions you may have regarding this matter.

Sincerely,

Jeff Montera
Project Manager
CDM Federal Programs Corporation

cc: Tim Wall
Anni Autio
Scott Supernaugh
Tommy Cook
Paul Lammers

Appendix C

Sheet No.: CSS (S) - 003871

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100144 Page No: 46 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: N/A

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09510		
Location ID	SP- 119458		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1155		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

10/15/02

vs 091002

Sheet No.: CSS (S) - 003872

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 108144 Page No: 47 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09511		
Location ID	SP- 119459		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1330		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10/15/02

vs 091002

Sheet No.: CSS (S) - 003873

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 48 Sampling Date: 10/14/02

Address: 875 Nuny 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09512		
Location ID	SP- 119460		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1406		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S. R.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003874

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 49 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09513		
Location ID	SP- 119461		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1433		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10' moved sample point 14' East of wood pile/firewood.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003875

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 50 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09514		
Location ID	SP- 119462		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1505		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S. R.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - ~~0035~~ C03876

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 18 Sampling Date: 10-14-02

Address: 875 US Hwy 2 South Owner: Stimpson Lumber

Business Name: Stimpson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Vittorio Contreras, Walter Smith

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 08295 WS 10-14-02		
Location ID	SP- 119242		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard (Other) Stimpson @ 10-14-02	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1145		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SA3-2 moved sample 30' away from river. Subsamples 10' away of sample. N. S. E. W.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - ~~003877~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 19 Sampling Date: 10-14-02

Address: 875 US. HWY 2 SOUTH Owner: STIMPSON LUMBER

Business Name: STIMPSON LUMBER

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 08296		
Location ID	SP- 119243		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard Other STIMPSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1205		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SA3-7 SUBSAMPLED 10' AWAY FROM CENTER N, E, S, W & ALSO SAMPLE CENTER.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - ~~003878~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 20 Sampling Date: 10-14-02

Address: 875 US HWY 2 SOUTH Owner: STIMPSON LUMBER

Business Name: STIMPSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 08297		
Location ID	SP- 119244		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard (Other) STIMPSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1335		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SA3-9 COLLECTED SUBSAMPLES 10' AWAY FROM CENTER. N, E, S, W;		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003879

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 21 Sampling Date: 10-17-02

Address: 875 U.S. HWY 2 SOUTH Owner: STIMPSON LUMBER

Business Name: STIMPSON LUMBER

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 08298		
Location ID	SP- 119245		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard Other STIMPSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1400		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SA3-10 COLLECTED SUB SAMPLES 10' AWAY FROM SAMPLE. N, E, S, W.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	VC.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - ~~003880~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 22 Sampling Date: 10-14-02

Address: 875 U.S. HWY 2 SOUTH Owner: STIMPSON LUMBER

Business Name: STIMPSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 08299		
Location ID	SP- 119246		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard (Other) STIMPSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1419		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SA3-15 COLLECTED SUBSAMPLES 10' FROM CENTER. N, E, S, W.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	W.S.
QC by	V.C.

D.O. 10.15.02

vs 091002

Sheet No.: CSS (S) - 003881

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 23 Sampling Date: 10-14-02

Address: 875 US HWY 2 South Owner: STIMPSON LUMBER @ 10-15-02

Business Name: STIMPSON LUMBER @ 10-15-02

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 08300		
Location ID	SP- 119247		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard (Other) STIMPSON @ 10-15-02	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1444		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SAB-16 COLLECTED SUBSAMPLES 10' AWAY FROM CENTER N, E, S, W.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10-15-02

vs 091002

Sheet No.: CSS (S) 003882

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 24 Sampling Date: 10-14-02

Address: 875 US. HWY 2 South Owner: STIMPSON LUMBER @10-15-02

Business Name: STIMPSON LUMBER @10-15-02

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALLIAM SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09281		
Location ID	SP- 119248		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard (Other) STIMPSON DIG 10-15-02	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp. #) subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1510		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SA3-20 COLLECTED SUBSAMPLES 10' AWAY FROM CENTER N, E, S, W.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	VS
QC by	VC.

vs 091002

Sheet No.: CSS (S) - ~~003883~~ COC # 4131

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 25 Sampling Date: 10-14-02

Address: 875 CIS. HWY 2 SOUTH Owner: STIMPSON LUMBER @ 10.15.02

Business Name: STIMPSON LUMBER @ 10.15.02

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09282 10-14-02		
Location ID	SP- 119249		
Sample Group	LUMBER YARD		
Location Description (circle)	Back yard Front yard Side yard (Other) STIMPSON @ 10.15.02	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1528		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SAB-01 COLLECTED SUBSAMPLES FROM CENTER 10' AWAY. N, E, S, W.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003884

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 26 Sampling Date: 10-14-02

Address: N/A Owner: N/A

Business Name: N/A

Land Use: (circle) Residential School Commercial Mining Roadway Other (N/A)

Sampling Team: (circle) CDM PES Other _____ Names: VICTOR CONTRERAS, and LEE SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09283 WS 10-14-02		
Location ID	N/A		
Sample Group	BLANK		
Location Description (circle)	Back yard Front yard Side yard Other N/A	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SILICA SAND	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1715		
Top Depth (in.)	N/A		
Bottom Depth (in.)	N/A		
Field Comments	BD- N/A EQUIPMENT BLANK		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	VC.

OW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003885

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 58 Sampling Date: 10-15-02

Address: 875 US. Hwy 8 South Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR COMMERS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09284		
Location ID	SP- 119250		
Sample Group	Southwest AREA		
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	0916		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD- N/A SAS- 11 N' 10' E' 10' S' 10' W' 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	W.S.
QC by	V.C.

DW 10-16-02

vs 091002

Sheet No.: CSS (S) - 003886

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 29, 30 Sampling Date: 10-15-02

Address: 875 U.S. Hwy 5 South Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: VICTOR CONTRERAS, and LEE SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09285 10-15-02	CS- 09286 10-15-02	CS- 09287 10-15-02
Location ID	SP- 119251 10-15-02	SP- 119252 10-15-02	SP- 119252 10-15-02
Sample Group	Southwest AREA	Southwest AREA	Southwest AREA
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of CS-09286 Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	0936	1003	1009
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SAS-10 N'=10' E'=10' S'=10' W'=10'	SAS-9 N'=10' E'=10' S'=8' W'=10'	SAS-9 N'=10' E'=10' S'=8' W'=10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	W.S
QC by	V.C.

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003887

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 31, 32, 33 Sampling Date: 10-15-02

Address: 875 U.S. HWY 2 South Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09288 VS 10-15-02	CS- 09289 VS 10-15-02	CS- 09290 VS 10-15-02
Location ID	SP- 119253	SP- 119254	SP- 119527
Sample Group	Southwest AREA	Southwest AREA	Southwest AREA
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	1038	1049	1116
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SAS-12 N'= 10' E'=10' S'= 10' W'=10'	SAS-8 N'= 10' E'= 10' S'= 10' W'= 10'	SAS-3 N'=10' E'=10' S'= 10' W'=8'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	NS
QC by	VS.

vs 091002

DW 10/16/02

Sheet No.: CSS (S) - 003888

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 34, 35, 36 Sampling Date: 10-15-02

Address: 875 U.S. HWY 2 SOUTH Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09291 WS 10-15-02	CS- 09292 WS 10-15-02	CS- 09293 WS 10-15-02
Location ID	SP- 119528	SP- 119529	SP- 119530
Sample Group	Southwest Area	Southwest Area	Southwest Area
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	1140	1246	1327
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA5-2 N' = 10' WEST SIDE UNDER PAVEMENT. E' = 10' MOVED SAMPLE S' = 10' LOCATION 52' TO W' = 7' THE EAST.	SA5-1 WEST SIDE UNDER PAVEMENT. N' = 10' E' = 10' S' = 10' W' = 7'	SA5-4 MOVED SAMPLE LOCATION 60' TO THE EAST. N' = 10' E' = 10' S' = 10' W' = 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003918

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 54 Sampling Date: 10/14/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELBNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09641		
Location ID	SP- 119543		
Sample Group	LOG STORAGE		
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUB SURFACE SOIL	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1216		
Top Depth (in.)	48"		
Bottom Depth (in.)	60"		
Field Comments	BD- NA WESTERN SAMPLE POINT OFFSET 1 FOOT TOWARDS THE EAST (CENTER POINT)		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CZ

vs 091002

DW 10.15.02

Sheet No.: CSS (S)- 003920

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 37, 38, 39 Sampling Date: 10-~~14~~ 15-02 WS 10-15-02

Address: 875 U.S. Hwy 2 South Owner: STIMPSON LUMBER WS 10-15-02

Business Name: STIMPSON LUMBER WS 10-15-02

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: VICTOR CONTRERAS, WALTER SOMETIMES

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09294 WS 10-15-02	CS- 09295 WS 10-15-02	CS- 09296 WS 10-15-02
Location ID	SP- 119531	SP- 119532	SP- 119533
Sample Group	Southwest AREA	Southwest AREA	Southwest AREA
Location Description (circle)	Back yard Front yard Side yard (Other) STIMPSON WS 10-15-02	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5
Sample Time	1352	1407	1419
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA5-7 N.'= 10' E.'= 10' S.'= 10' W.'= 10'	SA5-5 N.'= 10' E.'= 10' S.'= 10' W.'= 10'	SA5-6 N.'= 10' E.'= 10' S.'= 10' W.'= 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	LNS.
QC by	V.C.

DW 10-16-02

vs 091002

Sheet No.: CSS (S) - 003921

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 93 Sampling Date: 10-14-02

Address: 875 S. Hwy 2 Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09681 BT 10-14-02		
Location ID	SP- 119575 BT 10-14-02		
Sample Group	Lumber Yard ~~SLA3-24~~ DJ 10-14-02		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1232		
Top Depth (in.)	0"		
Bottom Depth (in.)	6"		
Field Comments	~~BD-002844~~ BT 10-14-02 SLA3-24 no composite could be collected due to surrounding asphalt		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BT 10-14-02

Field Team	Initial
Completed by	BT
QC by	JM

DJ 10-15-02

vs 091002

Sheet No.: CSS (S) - ~~003922~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 105 Sampling Date: 10-15-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera - CDM

Data Item	Sample 1	Sample 2	Sample 3
Index ID	DW 10-16-02 ~~SP-119583~~ CS-09691		
Location ID	SP-119583 ~~CS-09691~~ DW 10-16-02		
Sample Group	DW 10-16-02 RR Railroad Spur		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 3	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	0913		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ SA2-13 NW 10' SE 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BY 10-15-02

10-15-02

Field Team	Initial
Completed by	BT
QC by	JM

DW 10-16-02

vs 091002

Sheet No.: CSS (S) - 003923

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 105 Sampling Date: 10-15-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	DW 10-16-02 ~~SP-119584~~ CS-09692 BT 10-15-02	BT 10-15-02	
Location ID	SP-119584 ~~CS-09692~~ DW 10-16-02 BT 10-15-02		
Sample Group	Old Railroad ~~RR~~ Spur		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) BT 10-15-02 FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 3	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	0924		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ SA2-14 NW 10' SE 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003924

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100 133 Page No: 106 Sampling Date: 10-15-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber

Business Name: Stimson Lumber

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: Bob Tolford, Jeff Montera - CDM

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09693 BT 10-15-02	CS- 09694 BT 10-15-02	
Location ID	SP- 119585	SP- 119586	
Sample Group	Railroad RR Spur	Railroad RR Spur	
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 3	Grab Comp. # subsamples 3	Grab Comp. # subsamples ____
Sample Time	0950	0954	
Top Depth (in.)	0	0	
Bottom Depth (in.)	6	6	
Field Comments	BD-_____ SA2-11 NW 10' SE 10'	SA2-12 NW 10' SE 10'	BT 10-15-02
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003925

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 107 BT 10-15-02 Sampling Date: 10-15-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09695 BT 10-15-02	CS- 09696 BT 10-15-02	CS- 09697 BT 10-15-02
Location ID	SP- 119587	SP- 119588	SP- 119589
Sample Group	~~RR~~ railroad spur	~~RR~~ railroad spur	~~RR~~ railroad spur
Location Description (circle)	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp. #) subsamples 3	Grab (Comp. #) subsamples 3	Grab (Comp. #) subsamples 3
Sample Time	1043	1054	1124
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ BT 10-15-02 ~~SA2-12~~ NW 10' SA2-3 SE 10'	NW 10' SA2-4 SE 10'	N 10' SA2-1 S 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003926

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 107 & 108 Sampling Date: 10-15-02

Address: 875 U.S. Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber Co.

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera - CDM

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09698 AT 10-15-02	CS- 09699 AT 10-15-02	CS- 09700 AT 10-15-02
Location ID	SP- 119590	SP- 119591	SP- 119592
Sample Group	10-16-02 railroad KR Spur	10-16-02 railroad KR Spur	10-16-02 railroad KR Spur
Location Description (circle)	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	(FS) ~~FD of~~ AT 10.15.02 Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp. #) subsamples 3	Grab (Comp. #) subsamples 3	Grab (Comp. #) subsamples 3
Sample Time	1132	1157	1203
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' SA2-2 S 10'	NW 10' SA2-6 SE 10'	NW 10' SA2-5 SE 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BG
QC by	JM

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003927

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 55 Sampling Date: 10/14/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09642		
Location ID	SP- 119544		
Sample Group	~~PROPERTY~~ 10/16/02 Log Storage		
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1515		
Top Depth (in.)	48"		
Bottom Depth (in.)	60"		
Field Comments	BD- NA WESTERN POINT WAS REFUSAL OFFSET TO EAST, COULD ONLY COLLECT SAMPLE TO 2½ FEET		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

10/14/02

Field Team	Initial
Completed by	CAW
QC by	CZ

vs 091002

OW 10.15.02

Sheet No.: CSS (S) - 003930

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 501 PR 10/14/02 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: P. Roberts, S. Robles

Data Item	Sample 1 PR 10/14/02	Sample 2	Sample 3
Index ID	CS- 09515		
Location ID	SP- 119463		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1547		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments PR 10/14/02 Moved point ~35' ~~east~~ west out of Libby Creek	BD-_____ N S E W		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	PR
QC by	S.R.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003931

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 52 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09516		
Location ID	SP- 119464		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1629		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S. R.

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003932

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 53 Sampling Date: 10/14/02

Address: 875 Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09517		
Location ID	SP- 119465		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1651		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 10' S 10' E 10' W 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

RR 10/14/02

LW 10/15/02

vs 091002

Sheet No.: CSS (S) - 003934

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA. Field Logbook No: 100144 Page No: 56 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SAI-5 Sample 1 RR, 10/15/02	SAI-11 Sample 2 RR 10/15/02	SAI-6 Sample 3 RR 10/15/02
Index ID	CS- 09519	CS- 09520	CS- 09521
Location ID	SP- 119466	SP- 119467	SP- 119468
Sample Group	Former Popping Plant	Former Popping Plant	Former Popping Plant
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp. # subsamples 5	Grab Comp # subsamples 5
Sample Time	0914	0935	0956
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	RR 10/15/02 N 6' S 6' E 6' W 6' Vehicle in the way. Subs 6' from center.	N 6' S 6' E 6' W 6' Edge of road. Moved 6' west of original center point. Subs 6' from center
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003935

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 56 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA1-3 Sample 1 RR 10/15/02	SA1-4 Sample 2 RR 10/15/02	SA1-2 Sample 3 RR 10/15/02
Index ID	CS- 09522	CS- 09523	CS- 09524
Location ID	SP- 119469	SP- 119470	SP- 119471
Sample Group	Former Popping Plant	Former Popping Plant	Former Popping Plant
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1020	1045	1131
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- _____ N 6' S 6' E 6' W 6' Small area. Subs 6' feet from center.	N 6' S 6' E 6' W 6' Original point on road. moved 14' SW. Small area. Subs. 6' from center	N 10' S 10' E 10' W 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R

DW 10-16-02

vs 091002

Sheet No.: CSS (S) - 003936

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 57 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Robbins, S. Robles

Data Item	G SA-1 Sample 1	H SA1-7 Sample 2	I SA1-8 Sample 3
Index ID	CS- 09525	CS- 09526	CS- 09527
Location ID	SP- 119472	SP- 119473	SP- 119474
Sample Group	Former Popping Plant	Former Popping Plant	Former Popping Plant
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1150	1220	1241
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	N 6' S 6' E 6' W 6' Between vehicles Subs 6' from center point.	N 6' S 6' E 6' W 6' move point inside fence ~14' East. Subs 6' from center point
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003937

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 57 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	J SAI-9 Sample 1 RR 10/15/02	K SAI-10 Sample 2 RR 10/15/02	L SAI-14 Sample 3 RR 10/15/02
Index ID	CS- 09528	CS- 09529	CS- 09530
Location ID	SP- 119475	SP- 119476	SP- 119477
Sample Group	Former Popping Plant	Former Popping Plant	Former Popping Plant
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	RR 10/15/02 ~~1556~~ 1256	1315	1330
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10' Point outside fence. Move in 25' East onto property.	N 10' S 10' E 10' W 10' Point on road moved 20' west.	N 10' S 10' E 10' W 10' Point on road. Move 20' North
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10-16-02

vs 091002

Sheet No.: CSS (S) - 003938

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 57-58 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA1-13 Sample 1 (M) RR 10/15/02	SA1-12 Sample 2 (N) RR 10/15/02	SA1-15 Sample 3 (O) RR 10/15/02
Index ID	CS- 09531	CS- 09532	CS- 09533
Location ID	SP- 119478	SP- 119479	SP- 119480
Sample Group	Former Popping Plant	Former Popping Plant	Former Popping Plant
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1350	1403	1415
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- Point on road N 10' moved 30' NE S 10' Equidistant E 10' SA1-14 and W 10' SA1-12	N 6' Between vehicles S 6' and fence. E 6' Subs are 6' W 6' from center point.	N 10' S 10' E 10' W 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10/16/02

vs 091002

Sheet No.: CSS (S) - 003939

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 58 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA1-15 Dup. Sample 1	Sample 2	Sample 3
Index ID	CS- 09534		
Location ID	SP- 119480		
Sample Group	Former Popping Plant		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of CS-09533 Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1420		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ NE 10' SW 10' SE 10' NW 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10/16/02

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Sheet No.: CSS (S) - 003940

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 59 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA9-12 Sample 1 (P)	SA9-13 Sample 2 (Q)	SA9-11 Sample 3 (R)
Index ID	CS- 09535	CS- 09536	CS- 09537
Location ID	SP- 119481	SP- 119482	SP- 119483
Sample Group	Log Storage Yard	Log Storage Yard	Log Storage Yard
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1533	1555	1620
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10' Point under logs. moved 15' West.	N 10' S 10' E 10' W 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S. R.

DW 10-16-02

vs 091002

Sheet No.: CSS (S) 003941

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 59 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA4-14 Sample 1 (S) RR 10/15/02	SA4-15 Sample 2 (T) RR 10/15/02	SA4-16 Sample 3 (U) RR 10/15/02
Index ID	CS- 09538	CS- 09539	CS- 09540
Location ID	SP- 119484	SP- 119485	SP- 119486
Sample Group	Log Storage Yard	Log Storage Yard	Log Storage Yard
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp # subsamples 5	Grab Comp # subsamples 5
Sample Time	1635	1652	1710
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10' Point is in Libby Creek. Moved 100' West and 12' North.
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10/16/02

vs 091002

Sheet No.: CSS (S) - 003942

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 60 Sampling Date: 10/15/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA4-9 Sample 1	SA4-10 Sample 2	Sample 3
Index ID	CS- 09583	CS- 09584	
Location ID	SP- 119487	SP- 119488	
Sample Group	Log Storage Yard	Log Storage Yard	
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____
Sample Time	1723	1738	
Top Depth (in.)	0	0	
Bottom Depth (in.)	6	6	
Field Comments	BD- Point B in Libby Creek. Moved 130' west. N 10' S 10' E 10' W 10	N 10' S 10' E 10' W 10'	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RL
QC by	S.R

DW 10/16/02

vs 091002

Sheet No.: CSS (S) - 003943

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 63 Sampling Date: 10/16/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	A SA4-5 Sample 1 RR 10/16/02	B SA4-1 Sample 2 RR 10/16/02	C SA4-2 Sample 3 RR 10/16/02
Index ID	CS- 09585	CS- 09586	CS- 09587
Location ID	SP- 119489	SP- 119490	SP- 119491
Sample Group	Log Storage Yard	Log Storage Yard	Log Storage Yard
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp # subsamples 5
Sample Time	0910	1005	1016
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10 Point in Libby Creek. Move 127' W onto edge of road	N 10' S 10' E 10' W 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

vs 091002

DW 10.17.02

Sheet No.: CSS (S) - 003944

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 63-64 Sampling Date: 10/16/02

Address: 875 U.S. Hwy 2 So. Owner: Stimson Lumber

Business Name: NA

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: R. Roberts, S. Robles

Data Item	SA4-3 D Sample 1 RR 10/16/02	SA4-4 E Sample 2 RR 10/16/02	SA4-4 DUP Sample 3 RR 10/16/02
Index ID	CS- 09588	CS- 09589	CS- 09590
Location ID	SP- 119492	SP- 119493	SP- 119493
Sample Group	Log Storage Yard	Log Storage Yard	Log Storage Yard
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of CS-09589 Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1035	1100	1112
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10	N 10' S 10' E 10' W 10' Point on top of bark pile. move 125' South	NE 10' SE 10' NW 10' SW 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S. R

vs 091002

DW 10.17.02

Sheet No.: CSS (S) - 003945

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: 65 Sampling Date: 10/16/02

Address: 875 US Hwy 2 South Owner: Stimson Lumber

Business Name: Stimson Lumber

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: Saul Robles, Randy Roberts

Data Item	F SA6-2 Sample 1 RR 10/16/02	G SA6-4 Sample 2 RR 10/16/02	H SA6-5 Sample 3 RR 10/16/02
Index ID	CS- 09591	CS- 09592	CS- 09593
Location ID	SP- 119494	SP- 119735	SP- 119736
Sample Group	Nursery	Nursery	Nursery
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1415	1425	1435
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10.17.02

vs 091002

Sheet No.: CSS (S) - ~~003946~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100144 Page No: _____ Sampling Date: 10-16-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Saul Robles, Randy Roberts

Data Item	SA6-6 Sample 1 (I)	SA6-7 Sample 2 (J)	SA6-11 Sample 3 (K)
Index ID	CS- 09594	CS- 09595	CS- 09596
Location ID	SP- 119737	SP- 119738	SP- 119739
Sample Group	Nursery	Nursery	Nursery
Location Description (circle)	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard (Other) Stimson
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5
Sample Time	1500	1515	1510
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10'	N 10' S 10' E 10' W 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	RR
QC by	S.R.

DW 10.17.02

vs 091002

Sheet No.: CSS (S) - 003951

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 96 Sampling Date: 10-14-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09682		
Location ID	SP- 119576 BT 6-14-02		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other ~~Lumber yard~~ Stimson BT 10-14-02	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1402		
Top Depth (in.)	0"		
Bottom Depth (in.)	6"		
Field Comments	BD-_____ 10-14-02 SEA 3 ~~-24~~ BT -23 N 0°E N 10°E N 90°W S 0°W all 10' from centroid.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BT 10-14-02

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003952

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 99 Sampling Date: 10-14-02

Address: ~~Stimson Lumber~~ 10.14.02 / 875 US Hwy 2 S. Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09685		
Location ID	SP- 119579 BT 10-14-02	BT 10-14-02	
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1527		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ SA3-22 N 0° E N 90° E S 0° W S 90° W } 10' from centroid		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

JM 10.15.02

vs 091002

Sheet No.: CSS (S) - 003953

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 102 Sampling Date: 10-14-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Pitford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09689 BT 10-14-02		
Location ID	SP- 119582	BT 10-14-02	
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1650		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ ~~N 30° 8' W~~ BT 10-14-02 N 0° 8' E N 110° 5' E BT 10-14-02 S 10° 10' W S 100° ~~W (10')~~ 10' W ~~BT 10-14-02~~		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003954

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 101 Sampling Date: 10-14-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber Co.

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: Bill Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09688		
Location ID	SP- 119581		
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1633		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ SA3-12 Sample is located in parking lot that is mostly asphalt - composite not possible.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BT 10-14-02

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.15.02

Sheet No.: CSS (S) - 003955

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: 11A Field Logbook No: 100133 Page No: 100 Sampling Date: 10-14-02

Address: 875 US Hwy 2 S Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09686 BT 10-14-02	CS- 09687 BT 10-14-02	
Location ID	SP- 119580	SP- 119580	
Sample Group	Lumber Yard	Lumber Yard	
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS (FD) of CS-09686 Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp. # subsamples 5	Grab (Comp. # subsamples 5	Grab Comp. # subsamples ____
Sample Time	1554	1559	
Top Depth (in.)	0	0	
Bottom Depth (in.)	6	6	
Field Comments	BD-_____ SA3-11 N 0° 10' E N 90° 23' E S 0° 15' W S 90° 10' W	same as before ~~diff~~ @ 10-14-02	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

BT 10-14-02

DW 10.15.02

vs 091002

Sheet No.: CSS (S) -~~003956~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 98 Sampling Date: 10-14-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09684 BT 10-14-02		
Location ID	SP- 119578	BT 10-14-02	
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1458		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-_____ N 0° 10' E SA3-14 N 90° 10' E S 0° 10' W S 90° 10' W		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.15.02

Sheet No.: CSS (S) - ~~003957~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 97 Sampling Date: 10-14-02

Address: 875 US Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) PES Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09683 BT 10-14-02		
Location ID	SP- 119577	BT 10-14-02	
Sample Group	Lumber Yard		
Location Description (circle)	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1433		
Top Depth (in.)	0.		
Bottom Depth (in.)	6		
Field Comments	BD-_____ SA3-13 N 20° 10' E N 110° 10' E S 20° 10' W S 110° 10' W		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - ~~003966~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 57 Sampling Date: 10/14/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELINNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09643 CHW 10/14/02		
Location ID	SP- 119545		
Sample Group	~~PROPERTY~~ LCG 10/15/02 Storage		
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	1355-5 CHW 10/14/02		
Top Depth (in.)	48"		
Bottom Depth (in.)	60"		
Field Comments	BD- NA		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CHW
QC by	CZ

DW 10.15.02

vs 091002

Sheet No.: CSS (S) - 003967

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

CAW 10/15/02

Scenario No.: NA Field Logbook No: 100128 Page No: 62 Sampling Date: 10/14/02 15

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS-09646		
Location ID	SP- 119546 CAW 10/15/02		
Sample Group	~~PROPERTY~~ CAW 10/15/02 LOG STORAGE YARD		
Location Description (circle)	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS 10/15/02 CAW FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	0954		
Top Depth (in.)	46"		
Bottom Depth (in.)	60"		
Field Comments	BD- _____ CAW 10/15/02 - SOUTH SAMPLE POINT OFFSET ONE FOOT NORTH DUE TO REFUSAL - CENTER SAMPLE POINT COLLECTED FROM 48"-60"-52" DUE TO REFUSAL CAW 10/15/02		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

N - 10'
S - 11'
E - 10'
W - 10'

Field Team	Initial
Completed by	CAW
QC by	CZ

DW 10.16.02

vs 091002

Sheet No.: CSS (S) - 003969

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 63-68 9 CAW 10/15/02 Sampling Date: 10/15/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: CHRIS WORTHINGTON CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09647 CAW 10/15/02	CS- 09648 CAW 10/15/02	CS- 09649 CAW 10/15/02
Location ID	SP- 119547	SP- 119548	SP- 119549
Sample Group	SOUTH WEST AREA	SOUTH WEST AREA	LUMBER YARD
Location Description (circle)	Back yard Front yard Side yard Other STIMSON LUMBER	Back yard Front yard Side yard Other STIMSON LUMBER	Back yard Front yard Side yard Other STIMSON LUMBER
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUB SURFACE SOIL	Surface Soil Other SUB SURFACE SOIL	Surface Soil Other SUB SURFACE SOIL
Type (circle)	Grab Comp # subsamples 5	Grab Comp # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1123	1222	1456
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ N- 10' S- 10' E- 10' W- 10'	N - 10' S - 10' E - 10' W - 10'	EASTERN SAMPLE POINT OFFSET ONE FOOT EASTWARD DUE TO REFUSAL CAW 10/15/02 N - 10' S - 10' W - 10' E - 11'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CZ

DW 10/16/02

vs 091002

Sheet No.: CSS (S) - ~~003970~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 10085 Page No: 68-73 Sampling Date: 10/15/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM PES Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09650	CS- 09651	CS- 09652
	CZ 10/15/02		
Location ID	SP- 119550	SP- 119551	SP- 119552
		CZ 10/15/02	
Sample Group	LUMBER YARD	LUMBER YARD	LOG STORAGE YARD
Location Description (circle)	Back yard Front yard Side yard Other STIMSON LUMBER	Back yard Front yard Side yard Other STIMSON LUMBER	Back yard Front yard Side yard Other STIMSON LUMBER
Category (circle)	FS FD of CS-09649 Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1512	1621	1740
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ -NORTH, SOUTH CENTER & WEST SAMPLE POINTS ARE OFFSET 1 FOOT TOWARDS EAST -EAST SAMPLE POINT OFFSET 1 FOOT EAST & SOUTH	NORTH SAMPLE POINT IS OFFSET 11 FEET OFF CENTER S - 10' E - 10' W - 10' N - 11'	N - 10' S - 10' E - 10' W - ~~10~~ 11' CAW 10/15/02
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

N - 11'
S - 11'
E - 11'
W - 11'

Field Team	Initial
Completed by	CAW
QC by	CZ

DW 10/16/03

vs 091002

Sheet No.: CSS (S) - 003972 ~~003972~~ 10/16/

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 109 Sampling Date: 10-15-02

Address: 875 US Hwy. 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber Co.

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09701 10-15-02	CS- 09702 10-15-02	CS- 09703 10-15-02
Location ID	SP- 119593 10-15-02	SP- 119594 10-15-02	SP- 119595 10-15-02
Sample Group	10-16-02 RR railroad Spur	10-16-02 RR railroad Spur	10-16-02 RR railroad Spur
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 3	Grab Comp. # subsamples ____	Grab Comp. # subsamples ~~3~~ 2 BJ 10-15-02
Sample Time	1339	1347	1410
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD-_____ SA2-7 NW 10' SE 10'	SA2-8 NW 10' SE 10'	SA2-9 NW 10' no 3rd point - asphalt road pressen
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BJ
QC by	JM

DW 10/16/02

vs 091002

Sheet No.: CSS (S) - ~~003973~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100133 Page No: 109 & 110 Sampling Date: 10-15-02

Address: 875 U.S. Hwy 2 South Owner: Stimson Lumber Co.

Business Name: Stimson Lumber Co.

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: Bob Bilford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09704 BT 10-15-02	CS- 09705 BT 10-15-02	CS- 09706 BT 10-15-02
Location ID	SP- 119596	SP- 119597	SP- 119598
Sample Group	(10-16-02) RR spur	Log Yard	Log Yard
Location Description (circle)	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard (Other) Stimson	Back yard Front yard Side yard (Other) Stimson
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp. #) subsamples 2	Grab (Comp. #) subsamples 5	Grab (Comp. #) subsamples 5
Sample Time	1416	~~1416~~ 1512	1540
Top Depth (in.)	0	BT 10-15-02 0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- _____ BT-10-15-02 SA2-~~8~~10 NW 10' 3rd point not taken due to asphalt road's presence	SA4-6 N 10' E 10' S 10' W 10'	SA4-7 NW 10' NE 10' SW 10' SE 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

DW 10.16.02

vs 091002

Sheet No.: CSS (S) -003974

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100139 Page No: 110+111 Sampling Date: 10-15-02

Address: 875 U.S. Hwy 2 South Owner: Stimson Lumber

Business Name: Stimson Lumber Co.

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: Bob Tolford, Jeff Montera

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09707	CS- 09708	
Location ID	SP- 119598	SP- 119599	
Sample Group	Log yard	Log Yard	
Location Description (circle)	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other Stimson	Back yard Front yard Side yard Other
Category (circle)	FS FD of ~~CS-09706~~ CS-09706 Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples
Sample Time	1544	1608	
Top Depth (in.)	0	0	
Bottom Depth (in.)	6	6	
Field Comments	BD-_____ SA4-7 NW 10' NE 10' SW 10' SE 10'	SA4-8 NE 10' NW 10' SE 10' SW 10'	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BT
QC by	JM

BT 10-15-02

BT 10-15-02

DW 10/10/02

vs 091002

Sheet No.: CSS (S) - 003980

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 77-81 Sampling Date: 10/10/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: CHRIS NORTHINGTON
CHRIS CELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09653 10/10/02	CS- 09654 10/10/02	CS- 09655 10/10/02
Location ID	SP- 119553	SP- 119554	SP- 119555
Sample Group	LUMBER YARD	LUMBER YARD	LUMBER YARD
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	0954	1054	1220
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ N - 10' SOUTH SAMPLE S - 10' COLLECTED FROM E - 10' 32"-40" DUE W - 11' TO ROCK REFUSAL	N - 10' S - 10' E - 11' W - 10'	N - 10' S - 11' E - 10' W - 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAN
QC by	CZ

vs 091002

DW 10.17.02

Sheet No.: CSS (S) - ~~003981~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 83-86 Sampling Date: 10/16/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09656 CAW 10/16/02	CS- 09657 CAW 10/16/02	CS- 09658 CAW 10/16/02
Location ID	SP- 119556 CAW 10/16/02	SP- 119557 CAW 10/16/02	SP- 119558 CAW 10/16/02
Sample Group	LUMBER YARD	FORMER POPPING PLANT	FORMER POPPING PLANT
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL
Type (circle)	Grab Comp. # subsamples ~~5~~ 3 CAW 10/16/02	Grab Comp. # subsamples 3	Grab Comp. # subsamples 5
Sample Time	1425	1501	1555
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	~~52"~~ 60" CAW 10/16/02
Field Comments	BD- _____ CAW 10/16/02 N- 10' CAW 10/16/02 OBSTRUCTIONS S- 10' ON EAST & C - 0 WEST SIDES NO SAMPLE COLLECTED AS PER SAP	CAW 10/16/02 ~~N~~ W - 10' CAW 10/16/02 ~~S~~ E - 10' 0 - 0"	N - 10' S - 10' E - 10' W - 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CZ

DW 10.17.02

vs 091002

Sheet No.: CSS (S) -003983

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 87 Sampling Date: 10/16/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: CHRIS WORTHINGTON CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09659		
Location ID	SP- 119559		
Sample Group	FORMER POPPING PLANT		
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	1650		
Top Depth (in.)	48"		
Bottom Depth (in.)	60"		
Field Comments	BD-_____ N - 10' S - 10' E - 10' W - 10'		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CZ

10/16/02

DW 10.17.02

vs 091002

Sheet No.: CSS (S) - ~~003984~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

10/17/02 CAW

Scenario No.: NA Field Logbook No: 100128 Page No: 92-94 Sampling Date: 10/17/02

Address: 815 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09660 CAW 10/17/02	CS- 09661 CAW 10/17/02	CS- 09662 CAW 10/17/02
Location ID	SP- 119560	SP- 119560	SP- 119561
Sample Group	FORMER POPPING PLANT	FORMER POPPING PLANT	FORMER POPPING PLANT
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of CS-09660 Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1001	1030	1050
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ N-10' S-10' E-11' W-10'	N-10' S-10' E-11' W-10'	N-10' S-10' E-10' W-9'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CX

DW 10.18.02

vs 091002

Sheet No.: CSS (S) - ~~003985~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 95-98 Sampling Date: 10/16/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: CHRIS WORTHINGTON CHRIS ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09663	CS- 09664	CS- 09665
Location ID	SP- 119562	SP- 119563	SP- 119564
Sample Group	FORMER POPPING PLANT	FORMER TREE NURSERY	FORMER TREE NURSERY
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1133	1406	1452
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ N - 10' S - 10' E - 10' W - 10'	N - 10' S - 10' E - 10' W - 10'	N- 10' S- 10' E- 10' W- 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CX

DW 10.18.02

vs 091002

Sheet No.: CSS (S) - ~~003986~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

CAW 10/17/02

Scenario No.: NA Field Logbook No: 100128 Page No: 99-101 Sampling Date: 10/16&17/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: C. WORTHINGTON
C. ZELIZNAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09666	CS- 09667	CS- 09668
Location ID	SP- 119565	SP- 119566	SP- 119567
Sample Group	FORMER TREE NURSERY	FORMER TREE NURSERY	FORMER TREE NURSERY
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL	Surface Soil Other SUBSURFACE SOIL
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1533	1622	1712
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ N-10' S-10' E-10' W-10'	N-10' S-10' E-10' W-10'	N-10' S-10' E-10' W-10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CZ

DW 10.18.02

vs 091002

Sheet No.: CSS_(S) - 003988

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: NA Field Logbook No: 100128 Page No: 105-107 Sampling Date: 10/18/02

Address: 875 US HIGHWAY 2 SOUTH Owner: STIMSON LUMBER COMPANY

Business Name: STIMSON LUMBER COMPANY

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: CHRIS WORTHINGTON
CHRIS ZELIZNIAK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09671	CS- 09672	CS- 09673
Location ID	SP- 119568	SP- 119569	SP- 119569
Sample Group	FORMER TREE NURSERY	FORMER TREE NURSERY	FORMER TREE NURSERY
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of CS-09672 Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other SUB SURFACE SOIL	Surface Soil Other SUB SURFACE SOIL	Surface Soil Other SUB SURFACE SOIL
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1029	1131	1200
Top Depth (in.)	48"	48"	48"
Bottom Depth (in.)	60"	60"	60"
Field Comments	BD-_____ N- 10' S- 10' E- 10' W- 10'	N- 10' S- 10' E- 10' W- 10'	N- 11' S- 11' E- 11' W- 9'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	CAW
QC by	CZ

DW 10.21.02

vs 091002

Sheet No.: CSS (S) - 003994

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 40,41,42 Sampling Date: 10-15-02

Address: 875 U.S. HWY 2 South Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School ~~Commercial~~ Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: VICTOR CONTRERAS, WALDEN SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09297 10-15-02 WS	CS- 09298 10-15-02 WS	CS- 09299 10-15-02 WS
Location ID	SP- 119534	SP- 119535	SP- 119536
Sample Group	Southwest AREA	FORMER TREE NURSERY ~~Southwest AREA~~ WS 10-15-02	FORMER TREE NURSERY ~~Southwest AREA~~ WS 10-15-02
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp. # subsamples 5	Grab Comp # subsamples 5
Sample Time	1435	1510	1523
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA5-14 N.' = 10' E.' = 10' S.' = 10' W.' = 10'	WS 10-15-02 ~~SA5-21~~ SA6-3 N.' = 10' E.' = 10' S.' = 10' W.' ~~10~~ 7 WS 10-15-02	WS 10-15-02 ~~SA5-22~~ SA6-8 MOVED SAMPLE LOCATION 63' TO THE EAST. N.' = 10' E.' = 10' S.' = 10' W.' = 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	VC

VC 10/16

DW 10-16-02

vs 091002

Sheet No.: CSS (S) - 003995

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 43,44,45 Sampling Date: 10-15-02

Address: 875 US HWY 2 SOUTH Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09300 WS 10-15-02	CS- 09301 WS 10-15-02	CS- 09302 WS 10-15-02
Location ID	SP- 119537	SP- 119538	SP- 119539
Sample Group	FORMER TREE NURSERY	LOG YARD	LOG YARD
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	1540	1608	1630
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA6-1 N.: 10' E.: 10' S.: 10' W.: 10'	SA4-17 N.: 10' E.: 10' S.: 10' W.: 10	SA4-18 MOVED SAMPLE LOCATION 5' TO THE NORTH N.: 10' E.: 10' S.: 10' W.: 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 12-16-02

vs 091002

Sheet No.: CSS (S) - 003996

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 46, 47 Sampling Date: 10-15-02

Address: 875 U.S. HWY 2 SOUTH Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09303 WS 10-15-02	CS- 09304 WS 10-15-02	
Location ID	SP- 119540	SP- 119541	
Sample Group	LOG YARD	LOG YARD	
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples _____
Sample Time	1646	WS 10-15-02 1705	
Top Depth (in.)	0	0	
Bottom Depth (in.)	6	6	
Field Comments	BD- N/A SA4-19 N' = 10' E' = 10' S' = 10' W' = 10'	SA4-20 N' = 10' E' = 10' S' = 10' W' = 10'	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	VC

vs 091002

Sheet No.: CSS (S) - 003998

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 50,51 Sampling Date: 10-16-02

Address: 875 U.S. HWY 2 SOUTH Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09306 WS 10-16-02	CS- 09307 WS 10-16-02	CS- 09308 WS 10-16-02
Location ID	SP- 119542 WS 10-16-02	SP- 119542 WS 10-16-02	SP- 119655 WS 10-16-02
Sample Group	COG YARD	COG YARD	COG YARD
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS (FD of CS-09306) Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5
Sample Time	0920	0930	0944
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA4-23 N' = 10' E' = 10' S' = 10' W' = 10'	SA4-23 DUPLICATE N' = 10' E' = 10' S' = 10' W' = 10'	SA4-22 N' = 10' E' = 10' S' = 10' W' = 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	VC

vs 091002

DW 10-17-02

Sheet No.: CSS (S) ~~003999~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 52,53,54 Sampling Date: 10.16.02

Address: 875 ~~STIM~~ U.S. HWY 2 SOUTH WS 10.16.02 Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School Commercial Mining Roadway Other ( )

Sampling Team: (circle) CDM MACTEC Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09309 WS 10.16.02	CS- 09310 WS 10.16.02	CS- 09311 WS 10.16.02
Location ID	SP- 119656	SP- 119657	SP- 119658
Sample Group	COG YARD	COG YARD	COG YARD
Location Description (circle)	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON	Back yard Front yard Side yard Other STIMSON
Category (circle)	ES FD of _____ Field Blank (lot or equipment)	ES FD of _____ Field Blank (lot or equipment)	ES FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1025	1047	1116
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA4-21 N! = 10' E! = 10' S! = 10' W! = 10'	SA4-25 N! = 10' E! = 10' S! = 10' W! = 10'	SA4-24 N! = 10' E! = 10' S! = 10' W! = 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	W.S
QC by	V.C.

DW 10.17.02

vs 091002

Sheet No.: CSS (S) 004000

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 55,56,57 Sampling Date: 10.16.02

Address: 875 U.S. HWY 2 SOUTH Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09312 WS 10.16.02	CS- 09313 WS 10.16.02	CS- 09314 WS 10.16.02
Location ID	SP- 119659	SP- 119660	SP- 119661
Sample Group	LOG YARD	FORMER TREE NURSERY	FORMER TREE NURSERY
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	1318	1347	1405
Top Depth (in.)	0	0	0
Bottom Depth (in.)	6	6	6
Field Comments	BD- N/A SA4-26 N.' = 10' E.' = 10' S.' = 10' W.' = 10'	SA6-10 N.' = 10' E.' = 10' S.' = 10' W.' = 10'	SA6-12 N.' = 10' E.' = 10' S.' = 10' W.' = 10'
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS.
QC by	VC.

DW 10.17.02

vs 091002

Sheet No.: CSS (S) ~~004001~~

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: N/A Field Logbook No: 100146 Page No: 58 Sampling Date: 10-16-02

Address: 875 US HWY 2 SOUTH Owner: STIMSON LUMBER

Business Name: STIMSON LUMBER

Land Use: (circle) Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: VICTOR CONTRERAS, WALTER SMITH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 09315 VS 10-16-02	CS- 09316 VS 10-16-02	
Location ID	SP- 119662	SP- 119663	
Sample Group	FORMER TREE NURSERY	FORMER TREE NURSERY	
Location Description (circle)	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard (Other) STIMSON	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples _____
Sample Time	1422	1444	
Top Depth (in.)	0	0	
Bottom Depth (in.)	6	6	
Field Comments	BD- N/A SA6-13 N.' = 10' E.' = 10' S.' = 10' W.' = 10'	SA6-14 MOVED SAMPLE 25' NORTH. VS. N.' = 10' E.' = 10' S.' = 10' W.' = ~~8'~~ 7' VS 10-16-02	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	WS
QC by	V.C.

DW 10.17.02

vs 091002

Sheet No.: S- 000116

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100329 Page No: 51 Sampling Date: 05/12/04

Address: 875 Highway 2 South Owner/Tenant: Stimson

Business Name: Stimson

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: R. Opem / B. Shaw

Data Item	Sample 1	Sample 2	Sample 3
Index ID	05/12/04 PO 1D- 01823	05/12/04 PO 1D- 01824	05/12/04 PO 1D- 01825
Location ID	05/12/04 PO SP- 124896	05/12/04 PO SP- 124897	05/12/04 PO SP- 124898
Sample Group	Property →		
Location Description (circle)	Back yard Front yard Side yard Driveway Other E side of building	Back yard Front yard Side yard Driveway Other NE side of building	Back yard Front yard Side yard Driveway Other NW side of building
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1348	1354	1412
Top Depth (in.)	0	0	0
Bottom Depth (in.)	1	1	1
Field Comments Note if vermiculite is visible in sampled area	BD- NA	BD- NA Vermiculite in sample	BD- NA
Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by PO	QC by BS

vs 101503

Sheet No.: S- 000117

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100329 Page No: 51 Sampling Date: 05/12/04

Address: 875 Highway 2 South (Owner/Tenant: Stimson

Business Name: Stimson

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: P. Oram / B. Sharp

Data Item	Sample 1	Sample 2	Sample 3
Index ID	05/12/04 PO 1D- 01826	05/12/04 PO 1D- 01827	
Location ID	05/12/04 PO SP- 124899	SP-124899	
Sample Group	Property →		
Location Description (circle)	Back yard Front yard Side yard Driveway Other Floor of Sprinkler Vault	Back yard Front yard Side yard Driveway Other Floor of Sprinkler Vault	Back yard Front yard Side yard Driveway Other
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS (FD of 1D-01826) Field Blank (lot or equipment)	FS FD of 0 Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)	Grab Comp. # subsamples _____
Sample Time	1418	1418	
Top Depth (in.)	0	0	
Bottom Depth (in.)	1	1	
Field Comments Note if vermiculite is visible in sampled area	BD- NA Vermiculite in sample →	BD- NA	BD-
Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by PO	QC by

vs 101503

Sheet No.: S- 000126

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-20 Sampling Date: 5-15-04

Address: 875 HWY 2 S Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN

Data Item	Sample 1 9	Sample 2 13	Sample 3
Index ID	1D- 01881	1D- 01882	1D- 01883
Location ID	SP- 124921	SP- 124922	SP- 124923
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	0720	0727	0731
Top Depth (in.)	0	2	0
Bottom Depth (in.)	1	6	1
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ _____ No Vermiculite	~~BD-~~ ~~DS 5-15-04~~ No Vermiculite	~~BD-~~ _____ No Vermiculite
Entered (LFO) PS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by: DS	QC by PS

vs 101503

Sheet No.: S- 00127

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-20 Sampling Date: 5-15-04

Address: 875 HWY 2 S (Owner/Tenant): LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN

Data Item	6 Sample 1 DS 5-15-04	5 Sample 2 DS 5-15-04	14 Sample 3
Index ID	1D- 01884	1D- 01885	1D- 01886
Location ID	SP- 124924	SP- 124925	SP- 124926
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	DS 5-15-04 ~~03:40~~ 07:40	~~03:42~~ 5-15-04 07:42	~~03:51~~ 5-15-04 07:52
Top Depth (in.)	0	2	0
Bottom Depth (in.)	1	6	1
Field Comments - Note if vermiculite is visible in sampled area	~~BD-~~ _____ possible vermiculite observed	~~BD-~~ DS 5-15-04 No vermiculite	~~BD-~~ _____ No vermiculite
Entered (LFO) DS	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by DS	QC by

vs 101503

Sheet No.: S- 00128

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: K-20 Sampling Date: 5-15-04

dress: 875 HWY 2 S Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN

Data Item	Sample 1 3	2 Sample 2	1 Sample 3
Index ID	1D- 01887	1D- 01888	1D- 01889
Location ID	SP- 124927	SP- 124928	SP- 124929
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	0800	0805	0810
Top Depth (in.)	0	2	0
Bottom Depth (in.)	1	6	1
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ No vermiculite	~~BD- DS 5-15-04~~ No vermiculite	~~BD-~~ No vermiculite
Entered (LFO) DS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by: DS	QC by DS

vs 101503

Sheet No.: S- 00129

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-20 Sampling Date: 5-15-04

Address: 875 HWY 2 S Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN

Data Item	Sample 1 10	Sample 2 8	16 Sample 3
Index ID	1D- 01890	1D- 01891	1D- 01892
Location ID	SP- 124930	SP- 124931	SP- 124932
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	08:22	08:30	08:40
Top Depth (in.)	2	0	0
Bottom Depth (in.)	6	1	1
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ NO VERMICULITE	~~BD- DS 5-15-04~~ NO VERMICULITE	~~BD-~~ No Vermiculite
Entered (LFO) DS	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by: DS	QC by DS

vs 101503

Sheet No.: S- 00130

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-20 Sampling Date: 5-15-04

Address: 875 HWY 2 S Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN, SUPERNAUGH

Data Item	Sample 1 15	Sample 2 PILE 13	Sample 3 PILE 7
Index ID	1D- 01893	1D- 01894	1D- 01895
Location ID	SP- 124933	SP- 124934	SP- 124935
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 2	Grab (Comp.) # subsamples 2
Sample Time	08:45	08:50	08:52
Top Depth (in.)	2	DS 5-15-04 2	2
Bottom Depth (in.)	6	6	6
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ No Vermiculite	~~BD- DS 5-15-04~~ No vermiculite	~~BD-~~ No Vermiculite
Entered (LFO) DS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by: DS	QC by DS

vs 101503

Sheet No.: S- 00131

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-20 Sampling Date: 5-15-04

Address: 875 HWY 2 S Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN, SUPERNAUGH

Data Item	Sample 1 7	Sample 2 PILE 1	Sample 3 PILE 13
Index ID	1D- 01896	1D- 01897	1D- 01898
Location ID	SP- 124936	SP- 124937	DS-5-15-04 ~~SP- 124938~~ SP-124934
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) DS 5-15-04 (FD) of 1D-01894 Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp) # subsamples 2	Grab (Comp.) # subsamples 2
Sample Time	08:55	09:00	09:05
Top Depth (in.)	2	2	2
Bottom Depth (in.)	6	6	6
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ No Vermiculite	~~BD- DS 5-15-04~~ No Vermiculite	~~BD-~~ No Vermiculite
Entered (LFO) PS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DS	QC by PS

vs 101503

DS 5-15-04 - Sheet No.: S- 00132

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-2024 Sampling Date: 5-15-04

Address: 875 HWY 2 S (Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: LAMMERS, SPIELMAN, SUTERNAUGH

Data Item	Sample 1 12	Sample 2 4	Sample 3 5
Index ID	1D- 01899	1D- 01900	1D- 01901
Location ID	SP- 124939	SP- 124940	SP- 124941
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 4
Sample Time	09:14	09:25	09:5 DS 5-15-04
Top Depth (in.)	2	2	17 6
Bottom Depth (in.)	6	6	12
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ _____ No vermiculite	~~BD-~~ ~~DS 5-15-04~~ Trace vermiculite (very small flakes)	~~BD-~~ _____ Trace Vermiculite (very small flakes)
Entered (LFO) PS	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by DS	QC by PS

vs 101503

Sheet No.: S- 00133

DS 5-15-04

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100319 Page No: 18-21 Sampling Date: 5-15-04

Address: 875 HWY 2 S Owner/Tenant: LINCOLN COUNTY PORT AUTHORITY

Business Name: STIMSON LUMBER COMPANY

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: LAMMERS, SPIELMAN, SUPERJAUGH

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1D- 01902	1D- 01903	1D- 01904
Location ID	SP- 124942	SP- 124943	SP- 124944
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK	Back yard Front yard Side yard Driveway Other BIKE TRACK
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 4	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	10:08		
Top Depth (in.)	6		
Bottom Depth (in.)	12		
Field Comments Note if vermiculite is visible in sampled area	~~BD-~~ _____ Trace Vermiculite	~~BD-~~ DS 5-15-04	~~BD-~~ _____
Entered (LFO) PS	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by DS	QC by PS

vs 101503

Sheet No.: S- 000201

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 47, Sampling Date: 7-1-04

Address: 875 Hwy 2S Owner/Tenant: Port Authority

Business Name: N/A

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Repine, Vanderweel, Parana

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS-18599		
Location ID	SP-125084		
Sample Group	property		
Location Description (circle)	Back yard Front yard Side yard Driveway Other 9	Back yard Front yard Side yard Driveway Other _____	Back yard Front yard Side yard Driveway Other _____
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	12:00		
Top Depth (in.)	2		
Bottom Depth (in.)	6		
Field Comments Note if vermiculite is visible in sampled area	BD-_____ Samples collected in proposed Demolition Derby Track	BD-_____ DR 7-7-04	BD-_____
Entered (LFO) JD	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 000240

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 49 Sampling Date: 7-1-04

Address: 875 Hwy 25 Owner/Tenant: ~~Stimson~~ Port Authority DR 7-1-04

Business Name: ~~875 Hwy 25~~ DR 7-1-04

Land Use: Residential School Commercial? Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Repine, Vanderweel, Barana.

Data Item	Sample 1 DR 7-1-04	Sample 2 DR 7-1-04	Sample 3 DR 7-1-04
Index ID	CS- 18581	CS- 18582	CS- 18583
Location ID	SP- 124968	SP- 124969	SP- 124970
Sample Group	property	property	property
Location Description (circle)	Back yard Front yard Side yard Driveway Other 1	Back yard Front yard Side yard Driveway Other 1	Back yard Front yard Side yard Driveway Other 2
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	9:00	DR 7-1-04 ~~4:00~~ 9:04	10:03
Top Depth (in.)	0	3	0
Bottom Depth (in.)	1	6	1
Field Comments. Note if vermiculite is visible in sampled area	BD-_____ Samples collected in proposed Demolition Derby Track	BD-_____	BD-_____
Entered (LFO)	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 000241

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 49 Sampling Date: 7-1-04

Address: 875 Hwy 25 Owner/Tenant: ~~Stimson~~ Port Authority DR 7-1-04

Business Name: ~~875 Hwy 25~~ DR 7-1-04

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Repine, Parana, Vanderweel

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 18584	CS- 18585	CS- 18586
Location ID	SP- 124971	SP- 124972	SP- 124973
Sample Group	property	property	property
Location Description (circle)	Back yard Front yard Side yard Driveway Other 2	Back yard Front yard Side yard Driveway Other 2, 4, 6, 7, 9	Back yard Front yard Side yard Driveway Other 3
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	~~2~~ 10:00	DR ~~6~~ 10:06	10:12
Top Depth (in.)	DR 7-1-04 ~~6~~ 2	7-1-04 ~~12~~ 6	0
Bottom Depth (in.)	6	12	1
Field Comments Note if vermiculite is visible in sampled area	BD-_____ Samples collected. IW. proposed. Demolition Derby Track.	BD-_____	BD-_____
Entered (LFO) JB	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

7	6	3	N
8	5	2	E → W
7	4	1	S

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 000242

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 49 Sampling Date: 7-1-04

Address: 875 Hwy 25 Owner/Tenant: ~~Stimson~~ Port Authority DR 7-1-04

Business Name: N/A

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Repine, Prann, Vandelweel

Data Item	DR 7-1-04 Sample 1	DR 7-1-04 Sample 2	DR 7-1-04 Sample 3
Index ID	CS- 18587	CS- 18588	CS- 18589
Location ID	SP- 124974	SP- 124975	SP- 124976
Sample Group	property	property	property
Location Description (circle)	Back yard Front yard Side yard Driveway (Other) 3	Back yard Front yard Side yard Driveway (Other) 4	Back yard Front yard Side yard Driveway (Other) 4
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)
Sample Time	10:14	10:27	10:30
Top Depth (in.)	2	0	2
Bottom Depth (in.)	6	1	6
Field Comments Note if vermiculite is visible in sampled area	BD-_____ Samples collected in proposed Demolition Derby Track	BD-_____	BD-_____
Entered (LFO) JB	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 000243

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 49 Sampling Date: 7-1-04

Address: 875 Hwy 25 Owner/Tenant: ~~Stimson~~ Port Authority / DR 7-1-04

Business Name: N/A

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Repine, Vanderwool, BRANA

DR 7-1-04 7-1-04 OR DR 7-1-04

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 18590	CS- 18591	CS- 18592
Location ID	SP- 124977	SP- 124978	SP- 124979
Sample Group	property	property	property
Location Description (circle)	Back yard Front yard Side yard Driveway (Other) 5	Back yard Front yard Side yard Driveway (Other) 5	Back yard Front yard Side yard Driveway (Other) 6
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)
Sample Time	11:10	11:14	11:28
Top Depth (in.)	0	2	0
Bottom Depth (in.)	1	6	1
Field Comments Note if vermiculite is visible in sampled area	BD- _____ Samples collected in proposed Demolition Derby Track	BD- _____	BD- _____
Entered (LFO) JB	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 000244

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 49 Sampling Date: 7-1-04

Address: 875 Hwy 2S Owner/Tenant: Port Authority

Business Name: NIA

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Repine, Vanderweel, PAIANA

Data Item DR 7-1-04	Sample 1	Sample 2	Sample 3
Index ID	CS 18593	CS- 18594	CS- 18595
Location ID	SP- 124980	SP- 124750	SP-125081
Sample Group	property	property	property
Location Description (circle)	Back yard Front yard Side yard Driveway Other 6	Back yard Front yard Side yard Driveway Other 7	Back yard Front yard Side yard Driveway Other 7
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	(Grab) DR 7-1-04 (Comp. # subsamples 5)	(Grab) DR 7-1-04 (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)
Sample Time	11:29	11:35	11:38
Top Depth (in.)	2	0	2
Bottom Depth (in.)	6	1	6
Field Comments Note if vermiculite is visible in sampled area	BD- _____ Samples Collected in proposed Demolition Derby Track	BD- _____	BD- _____
Entered (LFO)	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 000245

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100315 Page No: 49 Sampling Date: 7-1-04

Address: 875 Hwy 25 Owner/Tenant: Port Authority

Business Name: N/A

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Repine, Vanderweel, Parana.

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 18596	CS- 18597	CS- 18598
Location ID	SP-125081	SP-125082 ~~SP-125084~~ DR 7-1-04	SP-125083
Sample Group	property	property	property
Location Description (circle)	Back yard Front yard Side yard Driveway Other 8	Back yard Front yard Side yard Driveway Other 8	Back yard Front yard Side yard Driveway Other 9
Category (circle)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	Surface Soil Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	11:50	11:52	12:00
Top Depth (in.)	0	2	0
Bottom Depth (in.)	DR 7-1-04 ~~0~~ 1	6	1
Field Comments Note if vermiculite is visible in sampled area	BD- _____ samples collected in proposed Demolition Derby Track	BD- _____	BD- _____
Entered (LFO) JD	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DR	QC by

vs 101503

Sheet No.: S- 001053

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100460 Page No: 3 Sampling Date: 6.21.05

Address: 875 Highway 2 S - Stimson Lumber Owner/Tenant: Stimson Lumber

Business Name: Stimson Lumber

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Dee Warren

Data Item	Sample 1	Sample 2	Sample 3
Index ID	002105 SQ- 00061	002105 SQ- 00062	
Location ID	002405 SP- 127205	002405 SP- 127205	
Sample Group	property	property	
Location Description (circle)	Back yard Front yard Side yard Driveway Location of (Other) CS-09585	Back yard Front yard Side yard Driveway Location of (Other) CS-09585	Back yard Front yard Side yard Driveway Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 6	Grab Comp. # subsamples 3	Grab Comp. # subsamples _____
Sample Time	0832	1348	
Top Depth (in.)	0	0	
Bottom Depth (in.)	2	2	
Field Comments Note if vermiculite is visible in sampled area	BD- NA Scenario 3b Lawn mowing ND area	BD- NA ND Area Scenario 3b Raking and Child Play	BD- _____
Entered (LFO)	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by DW	QC by TC

vs 101503

Sheet No.: S- 001063

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook No: 100460 Page No: 10-11 Sampling Date: 6-25-05

Address: 875 Highway 2 S - Stimson Lumber Owner/Tenant: Stimson Lumber

Business Name: Stimson Lumber

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Dee Warren

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SQ- 00066 (dw 062505)	SQ- 00067 (dw 062505)	
Location ID	SP- 127213	SP- 127214	
Sample Group	property	property	
Location Description (circle)	Back yard Front yard Side yard Driveway (Other) Scenario Location Lawn mowing	Back yard Front yard Side yard Driveway (Other) Childplay Raking and Scenario location	Back yard Front yard Side yard Driveway Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 19	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples _____
Sample Time	1521	1532	
Top Depth (in.)	0	0	
Bottom Depth (in.)	2	2	
Field Comments Note if vermiculite is visible in sampled area	BD-_____ Task 3b - TR area. Lawn mowing visible vermiculite	BD-_____ Task 3b - TR area. Child play and raking	BD-_____
Entered (LFO) CG	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by DW	QC by TC

vs 101503

46 Location Stimson Lumber Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

0935 Arrive Stimson Lumber
875 Hwy 2 So. for morning
meeting and HAS information
on Sampling at this site.
1010 Move to Fire Hall to practice
navigation using GPS units.
1115 Move to Subarea 3 Lumber
Yard to Sample assigned points
SA3-4-7,8,17,18,19. ~~PR 10/14/02~~
1155 Collect SA3-5 ~~PR 10/14/02~~
1204 Decon equipment ~~PR 10/14/02~~
1210 Leave site. Lunch.

CS- 09510 / SP- 119458

ESDS- 003871 COC-004129

GPS FILE: T1A10142

PR 10/14/02

10/14/02 Randall Roberts Randall Roberts

Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

1316 Arrive 875 Hwy 2 so. S. Robles will sample per CSS SAP. Decon equip between samples. ~~PA 10/14/02~~

1330 SA3-4	CS- 09511	SP- 119459
	FSDS-003872	COC-004129

GBFILE: T/B10142 | No vermic. seen sampling.

1332 Decon equipment. ~~PA 10/14/02~~

1345 Leave site.

PA 10/14/02

10/14/02 Randall Roberts Randall Roberts

48

Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

1400 Arrive SA3-3 S. Robles will collect sample per CSS SAP

SA3-3 1406	CS- 09512	SP- 119460
	FSDS-003873	COC-004129

GPS FILE: T100142 No vermic. seen.

1413 Decon equipment.
1415 Move to next sample.

10/14/02

10/14/02 Randall Roberts

Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

1421 Arrive SA3-6. S. Robles will collect sample per CSS SAP. Will move center collection point 14' East because original is under a wooden deck used to hold firewood that is being cut

SA3-6	CS- 09513	SP- 119461
1433	FSDS-003874	Coc-034129

5 pt.

GPS FILE: T1D 10142 No vermic seen.

1441 Decon equipment
1445 Move to next point.

PR 10/14/02

10/14/02 Random Roberts Random Pump

50

Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

Stimson Lumber

1449 Arrive SA3-8. S. Robles will sample per CSS SAP. ~~RA 10/14/02~~

SA3-8	CS- 09514	SP- 119462
1505	FSDS-003875	COC-009129

GPS FILE: TIE10142 No vermic seen.

1515 Decon equipment.

1520 move to next point.

RA 10/14/02

10/14/02 Randall Roberts

2

Location AD-000686 Date 6-21-05

Project / Client 875 Highway 2S-
Stimson Lumber

Author Dee Warren Dee Warren

Weather: clear. winds very light, 98° high

PPE: Level C for scenario sampling
level D for other activities

All activities will be conducted in accordance with the Final Supplemental RI SQAPP June 10, 2005.

0745 - Morning meeting conducted to discuss proposed daily activities.

0800 - Arrive Stimson Lumber Location for beginning of Scenario 3b - Lawn Mowing.

0832 - Collect 6pt composite sample from area of Lawn Mowing Scenario. AD-000686 an FSOSS-001053 from 0-2" bgs

SQ- 00061

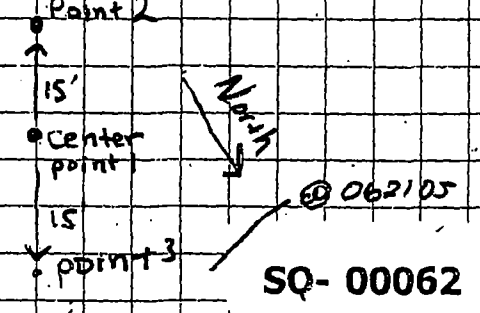
All equipment decontaminated before and after sample collection in accordance SOP-4-5 & site modifications

llect 3pt composite
am area of raking
FSOSS-000686
ne

Location AD-000686 Date 6-21-05

Project / Client 875 Highway 2S -
Stimson Lumber

from 0-2" bgs. Sample collected as follows:



SQ- 00062

And is given index 10

All equipment decontaminated after sample collection in accordance & SOP 4-5 & site modifications

1611 - Soil area used for raking is the same that will be used for child play

1945 - Return to office. Secure all samples

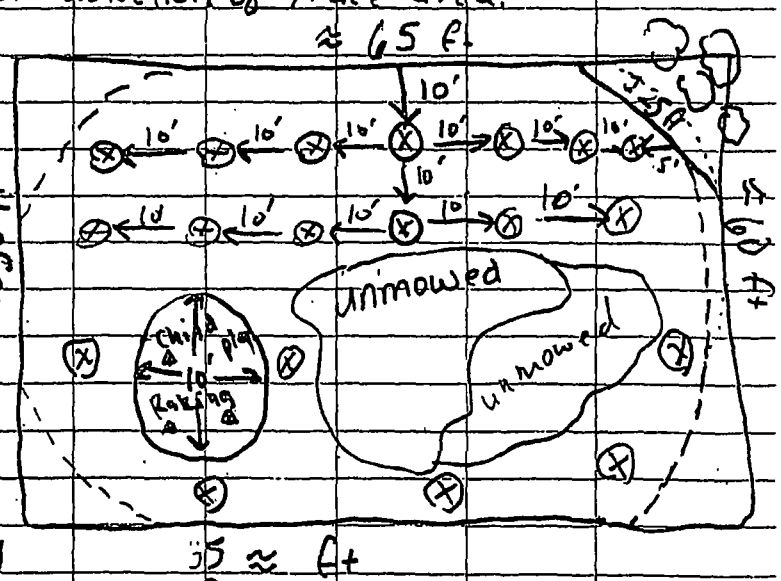
Dee Warren

Location Stimson Lumber Date 6.25.05

Project / Client 875 Highway 2S - Task 8b
AD-000686

Author: Dee Warren Dee Warren
PPE: Modified Level D and Level C. Weather: cloudy Chance of light rain
Activities: SQAPP Scenarios 8b to be conducted in accordance with the final Supplemental QAPP June 10th.

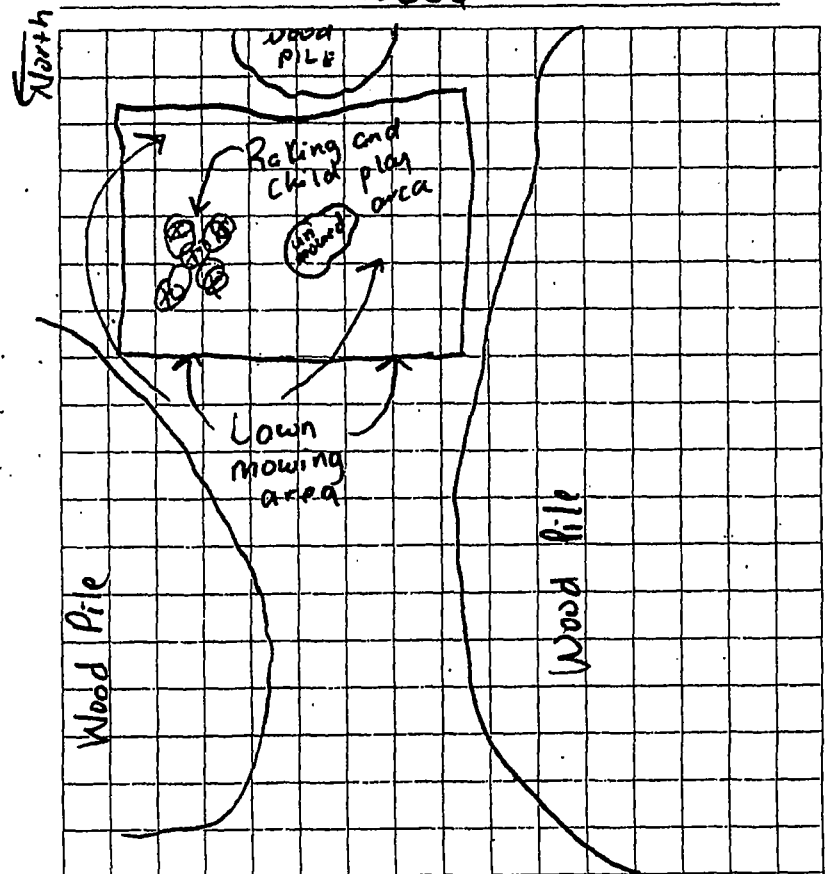
1521 collect SQ-00066 (SP-127213) from 0-2" bgs from 19 points on FSDS-S001066 from lawn mowing scenario area in soil detection of trace area.



Dee Warren

Location Stimson Lumber Date 6.25.05

Project / Client 875 Highway 2S - Task 8b
AD-000686



1532 - collect SQ-00067 (SP-127214) from 0-2" bgs from 5 points on FSDS S-001066 from child play and raking scenario areas in soil detection of trace area.

Dee Warren

Doherty

48

Location 1211, 1211 1/2 Nevada. Date 6-29-04.

Project / Client EPA Volpe Residential Removal

Author Damon Repine D Repine MACTEC.

GOV DOC Ref 43. → DR

Activity. Residential oversite. DR 6-29-04

9:30 onsite to collect GPS of where soil samples were taken. The landscape contractor finished planting all flower ~~and vegetation~~. DR 6-29-04 → DR

9:40 offsite. And out of log Book.

D Repine 6-29-04

Port Authority

Location 875 Hwy 2 S. Date 7-1-04

49

Project / Client EPA Volpe.

Author Damon Repine D Repine

Weather 72°F Rain on/off over sampling period. → DR

Gov Doc. CARAP, RAWP. → DR

Activity Gridding off Demo Derby track into 200 ft² grids and collecting two 5 point composit samples in each grid, depth are 0-1" and 2-6". With one 5 point composite 6-12 inches. This sample will be collected in 5 different grids, one sample per grid. Grids that this ~~sample~~ sample DR 7-1-04 was collected is DR 7-1-04 are 2, 4, 6, 7?

Equipment GPS, Spud Bar, small shovel, poly Bags, cooler, Hudson sprayer, pick axe. → DR

9:00 onsite to collect samples

Ref FSPS S-000241 - 245, 201

12:00 Sampling completed. → DR

13:00 Samples locked in Patty Strongs offices. → DR

13:05 out of log Book.

D Repine 7-1-04

Location 104 Cedar St. Extension Date 05/11/04

Project / Client Libby Asbestos, EPA/Volpe Region 8

BD-000954 James Jones

0950: Arrive at 104 Cedar St. Extension to complete an interior/exterior PDI. VCI is observed in the attic's finished flooring, leaking into the ground level living space, and on the crawlspace floor. VCI is also packed within the chimney, between the bricks and metal tubing. Vermiculite observed in chinking between logs on 1st level. VCI packed around bathtub on 1st level. A SLIC is completed. Photographs and measurements collected. Floorplan diagrams completed. Vermiculite observed in yard around the greenhouse, several flower beds, and a garden area. Yard diagram is completed. An EIC is completed. All activities IAW Pre-Design Final Draft Work Plan 2003. Dust samples (4S) collected ~~on~~ 2nd level of house; barn, ~~greenhouse~~ no sample, garage. D-000223, D-000225, 1D-01800, 1D-01818, 1D-01819, 1D-01821, 1D-01822. Pump 502077 calibrated on dry-cal B-1610, S-1521. PO 05/11/04

1623: offsite. Author: Paul Opem. Weather: 50's °F, light rain, overcast, light wind. Field Team: P. Opem / B. Shoup. PPE: Modified Level D inspections and sampling.

05/11/04

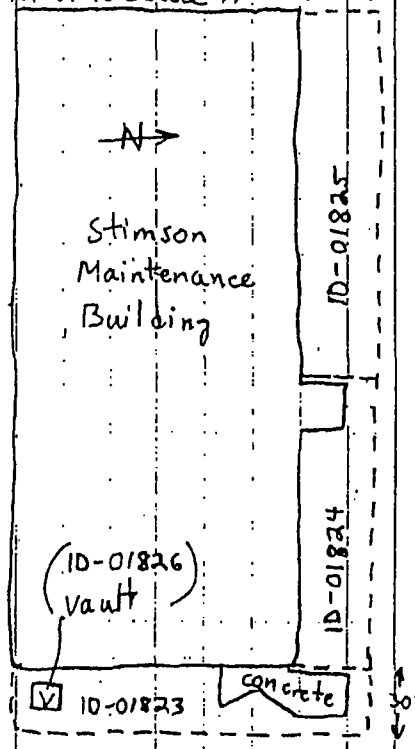
Location 875 Hwy 2 S Date 5-12-04

Project / Client Libby Asbestos US EPA Region 8

Stimson Maintenance Building

1349: Arrive @ Stimson to collect soil samples around the footprint of the N and E sides of the building and from a vault. All work IAW Pre-Design Final Draft Work Plan 2003. B. Shoup (author) and P. Opem on site.

Not to Scale



Soil samples on FSDS-000116 are ID-01823, ID-01824, and ID-01825. Soil samples on FSDS-000117 are ID-01826 and ID-01827 (duplicate). BS 5-12-04

Also made diagrams of the individual bay construction types for the N and S side bays of the large open area.

BS 5-12-04

GPS file T5A05124 all points collected

1531: Finished @ 875 Hwy 2 West

5-12-04 — Ben Shoup

Location 875 HWY 25 Date 5-15-04 EPA REG 8 VOUPE

Project / Client LIBBY ASBESTOS PROJECT

STIMSON BIKE TRAIL AREA

GRID 4 2-6" 09:25	SP- 124940	1D- 01900
GRID 6 6-12" 09:55	SP- 124941	1D- 01901
GRID 3 6-12" 10:08	SP- 124942	1D- 01902

- Area comprised of glacial till/outwash (rounded river stone) - sandy and clayey layers at surface and at depth. Sandy material has significant tiny vermiculite flakes, appears to be naturally occuring
- All Grid/Sample locations marked on site map included in file

10:20 OFF SITE TO OFFICE

LATE ENTRY 5-15-04
GPS# TSA 05154

DS 5-15-04

LATE ENTRY DS 5-15-04
FSDS# 000126, 000127, 000128, 000129
000130, 000131, 000132, 000133

D Spielman — 5-15-04 — D SPIELMAN

Location SECOND HAND STORE Date 5-19-04 EPA REG 8 VOUPE

Project / Client LIBBY ASBESTOS PROJECT

SECOND HAND STORE - CHEMICAL SAMPLING

10:30 SPIELMAN ON SITE - AUTHOR, WITH TOM V. (COM) WEATHER IS ~60°, SUN/MIX WITH CLOUDS. TEAM ON-SITE TO COLLECT SAMPLES OF SOIL AT BOTTOM OF EXCAVATION FOR CHEMICAL ANALYSIS - ~~VOC (8260)~~, S.A., SVOC-8270, TPH-GRO, 8260, TPH-DRO, PAH, PCB/Pesticide. Sample collection containers provided by Alpha labs. VOA vials filled with disposable syringes, soil vials will be filled by hand in order to avoid use of collection device requiring decontamination. Samples collected in accordance with State and Federal regulations. Level C PPE during sampling in accordance with site Health + Safety plan. Sample locations chosen as North side of excavation (debris area) Middle of area, south side of area. Soils are clayey sand with occassional patches of staining, no odor, medium-dry moisture. Samples collected in fresh pair of latex gloves to avoid cross-contamination.

DS 5-19-04

DAVID SPIELMAN — 5-19-04 — D Spielman

Location 875 Hwy 2S Date 5·15·04

Project / Client LIBBY ASBESTOS PROJECT CDM REG 8 VOLPE

STIMSON BIKE TRACK AREA

07:00 ON SITE FOR CDM - SUPERNAUGH, SPIELMAN, LAMMERS. SPIELMAN IS AUTHOR, WEATHER IS COOL ~50°, SUNNY. SOIL SAMPLING PERFORMED IN LEVEL "D" PPE, IAW: CSS FINAL SAP REV 1, RAWP (CDM 2003), HEALTH + SAFETY PLAN. SAMPLE EQUIPMENT DECONTAMINATED BETWEEN SAMPLING.

GRID 9 0-1" 07:20	SP- 124921	1D- 01881
GRID 13 2-6" 07:27	SP- 124922	1D- 01882
GRID 1 0-1" 07:31	SP- 124923	1D- 01883
GRID 6 0-1" 07:40	SP- 124924	1D- 01884
GRID 5 2-6" 07:42	SP- 124925	1D- 01885
GRID 14 0-1" 07:52	SP- 124926	1D- 01886
GRID 3 0-1" 08:00	SP- 124927	1D- 01887
GRID 2 2-6" 08:05	SP- 124928	1D- 01888

DAVID SPIELMAN — 5·15·04 — DSP

Location 875 Hwy 2S Date 5·15·04

Project / Client LIBBY ASBESTOS PROJECT EPA REG 8 VOLPE

STIMSON BIKE TRACK AREA

GRID 11 0-1" 08:10	SP- 124929	1D- 01889
GRID 10 2-6" 08:22	SP- 124930	1D- 01890
GRID 3 0-1" 08:30	SP- 124931	1D- 01891
GRID 16 0-1" 08:40	SP- 124932	1D- 01892
GRID 15 08:45 2-6"	SP- 124933	1D- 01893
PILE 13 08:50 2-6"	SP- 124934	1D- 01894
PILE 7 2-6" 08:52	SP- 124935	1D- 01895
GRID 7 2-6" 08:55	SP- 124936	1D- 01896
PILE 1 2-6" 09:05	SP- 124937	1D- 01897
PILE 13 2-6" DUPLICATE	SP- 124934	1D- 01898
GRID 12 09:14 2-6"	SP- 124939	1D- 01899

DAVID SPIELMAN — 5·15·04 — DSP

Location SA6-14 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE # 74J10162

1444 - COLLECTED FIVE SUBSAMPLES FROM SA6-14

SA6-14 1444 CS- 09316 US 10-16-02 SP- 119663 5-POINT

F.O.S. 004001 COC-004175

DECONTAMINATED EQUIPMENT AFTER SAMPLING. WENT TO HELP OUT OTHER STIMSON CREW AT THE FORMER TREE NURSERY.

58

Location SAG-13 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE #741 10162

1422 COLLECTED FIVE SUBSAMPLES FROM SA6-13

SA6-13 CS- 09315 WS 10-16-02 SP- 119662

1422 5-POINT

FDS 00400 1 COC-004174

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WALTER SMITH

10-16-02

cation SA6-12 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

EPS. FILE# T4H 10162

1405 - COLLECTED FIVE SUBSAMPLES FROM SA6-12

SA6-12 CS- 09314 WS 10-16-02 SP- 119661

1405 5-POINT

FDS 004000 COC-004174

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-16-02

56

Location SAG-10 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS FILE # T4G10162

1347 - COLLECTED FIVE SUBSAMPLES FROM SA

SAG-10

1347

CS- 09313 WS 10-16-02 SP- 119660 5-POINT

FDS 004000 COC 004174

DECONTAMINATED EQUIPMENT AFTER SA

WATER STATIC

10-16-02

Location SA4-26 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLP8/8PLA

GFS FILE#T4F10162

1318 - COLLECTED FIVE SUBSAMPLES FROM SA4-26

SA4-26

1318

CS- 09312 WS 1016.01 SP- 119659 5-point

F.O.S. 004000 COC 004174

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

Chester Smith

10-16-02

54

Location SA4-24 STIMSON Date 10-16-0

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S. FILE # T4E10162

1116 - COLLECTED FIVE SUBSAMPLES FROM SA4

SA4-24
1116 CS- 09311 WS 10-16-02 SP- 119658
5 POINT

FDS 003999 COC-004174

DECONTAMINATED EQUIPMENT AFTER SAMP
WENT TO LUNCH AT 1158. WENT TO C
OFFICE AT 1227 FOR A MEETING WITH
JEFF MONTEIN. LEFT COM OFFICE AT 1

WARTEK SMITH

10-16-02

Location SA4-25 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS FILE # T4D 10162

1047 - COLLECTED FIVE SUBSAMPLES FROM SA4-25

SA4-25

1047 CS- 09310 WS 10-16-02 SP- 119657 5-POINT

FDS 003999 COC-004174

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-16-02

52

Location SA4-21 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE # 74C10162

1005 - COLLECTED FIVE SUBSAMPLES FROM SA4-21

SA4-21
1005 CS- 09309 WS 10-16-02 SP- 119656 5-POINT

FDS 00 3999 COC-004174

DECONTAMINATED EQUIPMENT AFTER SAMP

WALTER SIMZA

10-16-02

Location SA4-22 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS. FILE # TAB 10162

0944 - COLLECTED FIVE SUBSAMPLES FROM SA4-22

SA4-22
0944

CS- 09308 WS 10-16-02 SP- 119655 5-POINT

FDS. 003998 COC. 004174

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-16-02

50

Location SA4-23 STIMSON Date 10-16-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE # T4A10162.

0910 - COLLECTED FIVE SUBSAMPLES FROM SA4-23

SA4-23 CS- 09306 WJS 10-16-02 SP- 119542 5-POINT

0920

F.D.S. 003598 COC-004174

ALSO A DUPLICATE WAS COLLECTED.

SA4-23 CS- 09307 WJS 10-16-02 SP- 119542 5-POINT

DUPLICATE

DECONTAMINATED EQUIPMENT AFTER SAMPLE

WALTER STIMSON

10-16-02

Location SA4-20 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS. FILE # T4T10152

1705 - COLLECTED SOIL SAMPLES FROM SA4-20

SA4-20

1705 CS- 09304 SP- 119541 10-15-02 5-POINT

FDS. 003996 COC-004134

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-15-02

46

Location SA4-19 STIMSON LUMBER Date 10-15-02

Project / Client GIBBY ASBESTOS - VOLPE/EPA

GPS FILE # T4S10152

1646 - COLLECTED FIVE SUBSAMPLES FROM SA4-19

SA4-19 SP- 119540

1646 CS- 09303 10-15-02 5 POINT

FDS 003996 COC- 004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WALTER SMITH

10-15-02

Location SA4-18 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE # T4R 10152.

1630-COLLECTED FIVE SUBSAMPLES FROM SA4-18.

SA4-18 SP- 119539

1630 CS- 09302 WS 10-15-02 5-POINT

F.D.S. 003995 COC- 004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

Cust Lab SMI 8AM

10-15-02

Location SA4-17 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S. FILE # T4Q10152

1608 - COLLECTED FIVE SUBSAMPLES FROM SA4-

SA4-17 SP- 119538

1608 CS- 09301 VJS 10-15-02 5-POINT

FDS 003995 COC- 004133

DECONTAMINATED EQUIPMENT AFTER SAMPL

WALTER SMITH

10-15-02

Location SAG-1 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE # T4P10152.

1540 - COLLECTED FIVE SUBSAMPLES FROM SAG-1

SAG-1 CS- 09300 SP- 119537

1540 WS 10-15-02 5-POINT

FDS. 003995 COC-004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-15-02

42

Location SA6-8 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE #74010152

1523 - COLLECTED FIVE SUBSAMPLES FROM SA6-8

SA6-8 CS- 09299 WS 10-15-02 SP- 119536

1523 5-POINT

FDS 003994 COC- 004133

DECONTAMINATE EQUIPMENT AFTER SAMPLING

WE WERE NOT ABLE TO COLLECT SA5-21, SA5-22, SA5-23 DUE TO THESE POINTS BEING IN THE CHAMPION SPRINKLER FIELD. JEFF MONTERA MADE THIS ~~DECISION~~ WS 10-15-02 DECISION. WE THEN MOVED TO SA6-3, SA6-8, AND SA6-7.

WALTER SMITH

10-15-02

Location ~~SA5-21~~ SA6-3 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S. FILE #T4N10152.

1510 - COLLECTED FIVE SUBSAMPLES FROM ~~SA5-21~~ SA6-3

~~SA5-21~~ SA6-3 1510

CS- 09298 SP- 119535

5-point

FDS. 003994 COC- 004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WAL88K SMI88

10-15-02

40

Location SA5-14 STIMSON LUMBER Date 10/15-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS FILE # T4M10152

1435 - COLLECTED FIVE SUBSAMPLES FROM SA5-14

SA5-14.
1435

CS- 09297 10-15-02 SP- 119534 5-POINT

FDS 003994 COC- 004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WA LIBBY SMITH
10-15-02

10-15-02

Location STIMSON LUMBER Date 10/18/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-7

10:42 CDM & ESN ARRIVE AT SA6-7. CZ LOCATES POINT W/GPS & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE.

10:45 ESN BEGINS COLLECTING FIRST MACROPROBE S.S. SAMPLE FROM CENTER POINT, THEN CONTINUES TO COLLECT NINE (9) ADDITIONAL SAMPLES (W, S, E, & N) CZ 10/18/02

10:50 CZ RELINQUISHES LOGBOOK TO JM.

Position	Sample	Time	Recovery	Sample Horizon
	Center Jm			
0	Center Dup. Jm	10:50	37"	48-60"
1' Q Jm	Center Dup	10:54	47"	48-60"
10'	West	10:58	43"	48-60"
9'	West Dup	11:03	43"	48-60"
10	South	11:06	39"	48-60"
11'	South Dup	11:09	35"	48-60"
10'	East	11:13	36"	48-60"
11'	East Dup	11:15	34"	48-60"
10'	North	11:21	38"	48-60"
11'	North Dup	11:27	40"	48-60"

11:30 Jm RELINQUISHES LOGBOOK TO CZ

Location STIMSON LUMBER Date 10/18/02

Project / Client LIBBY ASBESTOS EPA VOLPE

SA6-7

11:31 CW HOMOGENIZES TEN (10) S.S. SAMPLES & PACKAGES SAMPLE & DUP CZ ASSIGNS SP & CS #'S CZ 10/18/02

SP- 119569 CS- 09672 CS- 09673

CZ 10/18/02

COC # 004218 F.F. # CSS(5) 003988

GPS FILE #: T1B0182

11:32 CDM & ESN MOB OUT OF NURSERY AREA TO DECON ZONE.

CDM & ESN COMPLETE DECON PROCEDURE FOR EQUIPMENT & PERSONNEL.

12:30 ALL PERSONNEL & EQUIPMENT DECONNED; ALL PERSONNEL OUT OF DECON. ESN LEAVES RIG TO AIR DRY DURING LUNCH.

12:50 CDM & ESN LEAVE SITE FOR LUNCH.

12:45 RETURN TO SITE. CDM COLLECTS PPE TRASH & TAKES IT TO OFFICE; ESN LOADS GEOPROBE ON TRAILER & RETURNS TO OFFICE.

10/22/02
CHRIS ZELTZNAR

Location STIMSON LUMBER Date 10/18/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

H&S MEETING

08:30 CDM & ESN MEET JEFF MONTERA & GLEN DOBEK AT STIMSON FIRE HALL FOR PLANNING MEETING TO ENTER NURSERY AREA TODAY IN LEVEL C.

08:50 WARM-UP MEETING & HEAD TO NURSERY; BEGIN PREPPING EQUIPMENT & PERSONNEL FOR ENTRY. CZ 10/18/02

CZ 10/18/02
CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/18/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-5

09:55 CDM & ESN ARRIVE AT SA6-5. CZ LOCATES POINT W/GPS & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE. CZ 10/18/02

10:00 ESN BEGINS COLLECTING FIRST MACROPROBE S.S. SAMPLE (CENTER POINT) THEN COLLECTS FOUR (4) ADDITIONAL SAMPLES (N, E, W, & S) CZ 10/18/02

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	10:02	38"	48-60"	0
N	10:10	31"	48-60"	10'
E	10:16	48"	48-60"	10'
W	10:21	35"	48-60"	10'
S	10:25		48-60"	10'

10:29 CW HOMOGENIZES FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/18/02

SP- 119568

CS- 09671

CZ 10/18/02

COC#: 004218 F.F.#: CSS(S)-003988

GPS FILE #: TIA 10182

10:37 CDM & ESN MOB FROM SA6-5 TO SA6-7

10-18-02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

LIST OF EVENTS

17:20 CDM LEAVES SITE FOR FIELD OFFICE
ESN LEAVES SITE FOR DAY. CZ 10/17/02

17:26 CDM ARRIVES AT FIELD OFFICE

17:46 CW & CZ COLLECT FIELD BLANK FROM SHOE, CATCHER, & ACETATE MACROBORE LINER. CZ ASSIGNS CS #. CZ 10/17/02

CZ

CS- 09670 COC#: 004217
F.F.#: CSS(5)-003987

17:49 CW & CZ COLLECT FIELD BLANK FROM SAMPLING TROWEL & BOWL. CZ ASSIGNS CS#. CZ 10/17/02

CS- 09669 COC#: 004216
F.F.#: CSS(5)-003987

17:55 CW & CZ COMPLETE PAPERWORK & SUBMIT SAMPLES. CZ 10/17/02

18:00 END OF DAY

Chris Zelizniak 10/17/02

Location STIMSON LUMBER Date 10/18/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

MORNING MEETING

0800 ARRIVE AT CDM FIELD OFFICE FOR MORNING MEETING & HEALTH & SAFETY TALK CZ 10/18/02

WEATHER: FOGGY & 31°, HIGHS IN UPPER 60'S

CREW: CHRIS ZELIZNAK (CDM), CHRIS WORTHINGTON (CDM), EDWARD HUBBERT (ESN), & TOM COURTRIGHT (ESN)

AUTHOR: CHRIS ZELIZNAK (CDM)

PROCEDURE: SAMPLING PROCEDURE OUTLINED IN CONTAMINANT SCREENING STUDY LIBBY ASBESTOS SITE, OPERABLE UNIT 4, LIBBY, MT. FINAL SAP ADDENDUM FOR THE STIMSON LUMBER CO. AREA. CZ 10/18/02

EQUIPMENT: TRIMBLE MODEL TSC1 S/N
KODAK DX3500 S/N KCKA121503931

PPE: MODIFIED LEVEL C IN NURSERY AREA.

Chris Zelizniak 10/18/02
CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-14

CZ 10/17/02

~~14~~ 15:44 CDM & ESN ARRIVE AT SA6-14. CZ LOCATES POINT W/ GPS COORDINATES & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE. CZ 10/17/02

15:58 ESN BEGINS COLLECTING FIRST MACROPROBE S.S. SAMPLE (CENTERPOINT) THEN COLLECTS FOUR (4) ADDITIONAL SAMPLES (W, N, E, & S) CZ 10/17/02

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	15:59	39"	48-60"	0
W	16:03	32"	48-60"	10'
N	16:08	42"	48-60"	10'
E	16:12	22"	48-60"	10'
S	16:18	42"	48-60"	10'

CZ 10/17/02

16:22 CW HOMOGENIZES FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/17/02

SP- 119566

CS- 09667

CZ 10/17/02

COC#: 004216 F.F.#: CSS(S) - 003986

GPS FILE #: TIG10172 CZ 10/17/02

16:26 CDM & ESN DECON EQUIPMENT & DEMOB FROM SA6-14 TO SA6-8.

Chris Zelznak 10/17/02

CHRIS ZELZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-8

16:33 CDM & ESN ARRIVE AT SA6-8. CZ LOCATES CENTERPOINT W/ GPS & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE. CZ 10/17/02

16:41 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTER POINT), THEN COLLECTS FOUR (4) ADDITIONAL SAMPLES (E, N, W, & S).

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	16:46	37"	44-56"	0
E	16:53	31"	48-60"	10'
N	16:58	30"	48-60"	10'
W	17:03	50"	48-60"	10'
S	17:08	41"	48-60"	10'

17:12 CW HOMOGENIZES FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/17/02

SP- 119567

CS- 09668

CZ 10/17/02

COC#: 004216 F.F.#: CSS(S) - 003986

GPS FILE #: TIH10172 CZ 10/17/02

17:15 CDM & ESN DECON EQUIPMENT & DEMOB FROM SA6-8 TO NURSERY EXCLUSION DECON ZONE. CZ 10/17/02

Chris Zelznak 10/17/02 CHRIS ZELZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-9

14:26 CDM & ESN ARRIVE AT SA6-9. CZ LOCATES POINT W/ GPS & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE. CZ 10/17/02

14:30 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTERPOINT) THEN COLLECTS FOUR(4) ADDITIONAL SAMPLES (E, S, W, & N). CZ 10/17/02

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	14:31	25"	48-60"	0
E	14:36	25"	48-60"	10'
S	14:40	34"	48-60"	10'
W	14:45	24"	48-60"	10'
N	14:48	20"	48-60"	10'

14:52 CW HOMOGENIZES FIVE(5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #'S CZ 10/17/02

SP- 119564 CS- 09665

CZ 10/17/02

COC#: 004216 F.F.#: CSS(S)-003985

GPS FILE #: TIE10172 CZ 10/17/02

1500 CDM & ESN ~~RETURN~~ CZ 10/17/02 DECON EQUIPMENT & DEMOB FROM SA6-9 TO SA6-~~8~~ 12 CZ 10/17/02.

10/17/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-12

15:02 CDM & ESN ARRIVE AT SA6-12. CZ LOCATES POINT W/ GPS & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE CZ 10/17/02

5 CZ 10/17/02

15:06 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTER POINT) THEN COLLECTS FOUR(4) ADDITIONAL SAMPLES (W, S, E, & N) CZ 10/17/02

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	15:09	39"	48-60"	0
W	15:16	32"	48-60"	10'
S	15:20	36"	48-60"	10'
E	15:25	36"	48-60"	10'
N	15:29	29"	48-60	10'

15:33 CW HOMOGENIZES FIVE(5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #'S CZ 10/17/02

SP- 119565 CS- 09666

CZ 10/17/02

COC#: 004216 F.F.#: CSS(S)-039866

GPS FILE#: TIF10172 CZ 10/17/02

15:40 CDM & ESN DECON EQUIPMENT & DEMOB FROM SA6-12 TO SA6-14.

10/17/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA / VOLPE

SA1-12

COC#: 004216 F.F.#: CSS(S)-003985

GPS FILE #: TIC10172 CZ 10/17/02

11:40 COM & ESN DEON EQUIPMENT & DEMOB FROM SA1-12 TO NURSERY AREA & BREAK FOR LUNCH.

13:10 COM & ESN RETURN TO SITE; ESN STOPS AT SA4-20 TAO ATTEMPT RETRIEVAL OF MACROBORE LEFT IN GROUND (SEE PAGE 55). - SUCCESSFUL. ESN BACKFILLS BOREHOLE & MOBS TO SA6-1. CZ 10/17/02

Chris Zelizniak 10/17/02 CHRIS ZELIZNIAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA6-1

13:24 CZ & CW ARRIVE AT SA6-1. CZ LOCATES COORDINATES W/GPS & CREW LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE. CZ 10/17/02

13:37 ESN BEGINS COLLECTING FIRST S.S. SAMPLE (CENTER POINT), THEN CONTINUE TO COLLECT FOUR (4) ADDITIONAL SAMPLES (N, W, S, E).

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	13:39	44"	48-60"	0
N	13:49	35"	48-60"	10'
W	13:53	36"	48-60"	10'
S	13:58	42"	48-60"	10'
E	14:03	38"	48-60"	10'

14:06 CW HOMOGENIZES FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #s CZ 10/17/02

SP- 119563

CS- 09664

CZ 10/17/02

COC#: 004216 F.F.#: CSS(S)-003985

GPS FILE#: TID10172 CZ 10/17/02

14:12 ESN & CDM DEON EQUIPMENT & DEMOB FROM SA6-1 TO SA6-9 CZ 10/17/02

Chris Zelizniak 10/17/02 CHRIS ZELIZNIAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA1-15

#3-WEST). ALL OBSERVED VERMICULITE WAS COLLECTED FROM SLEEVES & BAGGED FOR DISPOSAL.

10:50 CW HOMOGENIZES FIVE(5) S.S SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/17/02

SP- 119561 CS- 09662

CZ 10/17/02

COC #: 004216 F.F. #: CSS(S) - 003984 CZ 10/17/02

GPS FILE #: T1B 10/72

11:00 ESN & CDM DECON EQUIPMENT & DEMOB FROM SA1-15 TO SA1-12.

Chris Zeiznak 10/17/02 CHRIS ZEIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA1-12

11:09 CDM & ESN ARRIVE AT SA1-12. CZ LOCATES COORDINATES W/ GPS & CREW LOCATES PERIPHERAL POINTS.

CZ 10/17/02 ~~11:11~~ ESN PREPARES TO SAMPLE. CZ 10/17/02

11:11 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTERPOINT) THEN CONTINUES TO COLLECT FOUR(4) ADDITIONAL SAMPLES (W, N, E, S). CZ 10/17/02

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	11:12	39"	48-60"	0
W	11:16	41"	48-60"	10'
N	11:20	36"	48-60"	10'
E	11:24	37"	48-60"	10'
S	11:28	37"	48-60"	10'

11:25 CZ OBSERVES VERMICULITE IN E SAMPLE FROM 26"-31" (MEASURED FROM BOTTOM OF ACETATE SLEEVE). NOT OBSERVED IN ANY OF OTHER FOUR(4) SUBSAMPLES. CZ 10/17/02

11:33 CW HOMOGENIZES FIVE(5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS CS & SP #'S. CZ 10/17/02

SP- 119562 CS- 09663

CZ 10/17/02

Chris Zeiznak 10/17/02 CHRIS ZEIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA1-1

IN SAMPLING INCLUDE COLLECTING DUPLICATE CZ 10/17/02 CENTER POINT SAMPLE AFTER COLLECTING N & N DUPLICATE SAMPLING & COLLECTING E & E DUPLICATE SAMPLES FROM 10' E OF CENTER & BIASED 1' & 1.5' NORTH DUE TO INCOMPLETE SAMPLE RETRIEVAL IN FIRST TWO ATTEMPTS (LOST LOWERMOST 1' OF SAMPLE DURING SAMPLE RETRIEVAL DUE TO FINE SEDIMENTS & LACK OF SAND CATCHER ON MACROBORE. ESN COLLECTED NEXT SAMPLES (SAMPLES COLLECTED FOR HOMOGENIZATION) USING SAND CATCHERS.) AND LOCATION OF DRAINAGE PIPE EAST OF 10' SAMPLING POINT (COULD NOT SAMPLE FROM 11').

10:10 CZ ASSIGNS SP & CS #S FOR ORIGINAL & DUPLICATE S.S. SAMPLES CZ 10/17/02

SP- 119560 CS- 09660

COC#: 004216 CZ 10/17/02

FF#: CSS(S)-003984

CS- 09661

GPS FILE#: T1A10172 CZ 10/17/02

10:13 COM & ESN DECON EQUIPMENT & DEMOB FROM SA1-1 TO SA1-15.

CZ 10/17/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/17/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA1-15

10:15 CDM & ESN ARRIVE AT SA1-15. CZ LOCATES COORDINATES W/GPS & CREW LOCATES PERIPHERAL POINTS. ESN PREPARES TO SAMPLE. CZ 10/17/02

10:25 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTERPOINT) THEN CONTINUES TO COLLECT FOUR (4) ADDITIONAL SAMPLES (S, E, W, N).

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	10:27	35"	48-60"	0
S	10:30	9"	48-60"	10'
E SEE NOTE SC	10:34	42"	48-60"	10'
W CZ 10/17/02	10:39	34"	48-60"	9'
N	10:43		48-60"	10'

10:44 JM OBSERVES VERMICULITE IN EAST SAMPLE FROM 24"-31" HORIZON (FROM BOTTOM OF ACETATE SLEEVE), IT WAS OBSERVED AGAIN IN THE CENTER SAMPLE FROM 21"-26" HORIZON (FROM BOTTOM OF ACETATE SLEEVE), FROM 24" TO 29" IN ~~EAST~~ WEST CZ 10/17/02 SAMPLE, & FROM 33" TO 37" IN N SAMPLE, NOT OBSERVED IN S SAMPLE (POOR RECOVERY). CW TAKES THREE PHOTOGRAPHS (#1-E, #2-CENTER &

10/17/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA VOLPE

SA1-3

15:11 CDM & ESN ARRIVE AT SA1-3. CZ LOCATES COORDINATES W/ GPS & LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE CZ 10/17/02

15:19 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTER POINT) THEN CONTINUES TO COLLECT FOUR(4) ADDITIONAL SAMPLES (W, N, S, E).

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	15:21	0"	40-52"	0
CENTER	15:27	31"	48-60"	0
W	15:34	22"	48-60"	10'
N	15:40	13"	48-60"	10'
S	15:46	36"	48-60"	10'
E	15:51	30"	48-60"	10'

15:55 CZ 10/16/02 ~~CZW~~ HOMOGENIZES FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #s CZ 10/16/02

SP- 119558 CS- 09658

CZ 10/16/02

COC#: 004152 F.F.#: CSS(5)-003981

GPS FILE#: T5F10162 CZ 10/16/02

16:05 ESN & CDM DECON EQUIPMENT & DEMOB FROM SA1-3 TO SA1-7. CZ 10/16/02

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA1-7

16:10 JM RETURNS TO SITE W/ WATER; ESN & CDM TAKE BREAK CZ 10/16/02

16:24 CZ ARRIVES AT SA1-7. CZ LOCATES COORDINATES W/ GPS & LOCATE PERIPHERAL POINTS. ESN PREPARES TO SAMPLE

16:29 ESN BEGINS COLLECTING FIRST MACROBORE S.S. SAMPLE (CENTER POINT) THEN CONTINUES COLLECTING FOUR(4) ADDITIONAL SAMPLES (W, N, E, S)

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	16:30	40"	48-60"	0
W	16:34	37"	48-60"	10'
N	16:38	29"	48-60"	10'
E	16:42	37"	48-60"	10'
S	16:47	40"	48-60"	10'

16:50 CW HOMOGENIZES FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/16/02

SP- 119559 CS- 09659

CZ 10/16/02

COC#: 004152 F.F.#: CSS(5)-003983

GPS FILE#: T5G10162 CZ

16:51 ESN & CDM DECON EQUIPMENT & DEMOB FROM SA1-7. ~~END OF D~~ CZ 10/16/02

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-1

SP- 119556

CS- 09656

CZ 10/16/02

COC#: 004152 F.F.#: CSS(S)-003981

GPS FILE #: TSD10162 CZ 10/16/02

14:28 ESN DECONS EQUIPMENT & DEMOBS FROM SA3-1 TO SA1-5. CZ 10/16/02

14:35 CW & CZ DECON EQUIPMENT & DEMOB FROM SA3-1 TO SA1-5.

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA1-5

14:39 CDM & ESN ARRIVE AT SA1-5. ADDITIONALLY GD & JM ARRIVE ONSITE. CZ LOCATES COORDINATES FOR SA1-5, THEN MARK OUT TWO (2) PERIPHERAL POINTS ALONG TRACKS (PARALLEL) AS PER RAIL SPUR SAMPLING INSTRUCTIONS.

14:49 ESN BEGINS COLLECTING FIRST MACROPROBE S.S. SAMPLE (CENTER POINT) THEN CONTINUES TO COLLECT TWO(2) ADDITIONAL SAMPLES (W & E). CZ 10/16/02

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER CZ 10/16/02	14:50	39"	48-60"	0
W	14:55	30"	48-60"	10'
E	14:59	32"	48-60"	10'

15:01 CW HOMOGENIZES THREE (3) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #s CZ 10/16/02

SP- 119557

CS- 09657

CZ 10/16/02

COC#: 004152 F.F.#: CSS(S)-003981

GPS FILE #: TSE10162 CZ 10/16/02

15:05 ESN & CDM DECON EQUIPMENT & DEMOB FROM SA1-5 TO SA1-3.

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-23

DECONS EQUIPMENT & DEMOBS.

12:31 CDM & ESN BREAK FOR LUNCH.

13:26 CDM & ESN ~~BREAK~~ CZ 10/16/02 RETURN TO SITE; MOBILIZE TO SA3-1.

Chris Zelizniak 10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-1

13:32 CW & CZ RETURN TO OFFICE AS PER OW'S REQUEST. ESN MOBS GEOPROBE TO SA3-1. CZ 10/16/02

13:50 CW & CZ RETURN TO SITE. CZ LOCATES COORDINATES FOR SA3-1. ORIGINAL POINT DIRECTLY ABOVE SEWER LINE. CZ MOVES CENTER POINT 15' TO EAST. DUE TO POSITION OF WATER LINE TO EAST AND SEWER LINE TO WEST, ONLY CENTER POINT, N, & S SAMPLES WILL BE COLLECTED AS PER RAIL SPUR SAMPLING INSTRUCTIONS.

14:10 ESN BEGINS COLLECTING FIRST MACROPROBE S.S. SAMPLE(S) THEN CONTINUES TO COLLECT TWO (2) ADDITIONAL SAMPLES (CENTERPOINT & N)

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
S	14:11	20"	48-60"	10'
CENTER	14:19	33"	48-60"	0
N	14:23	31"	48-60"	10'

14:25 CW HOMOGENIZES THREE (3) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S

Chris Zelizniak 10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-19

10:54 CW HOMOGENIZES ALL FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S CZ 10/16/02

SP- 119554 CS- 09654

CZ 10/16/02

COC#: 004152 F.F.#: ~~003980~~ CZ 10/16/02 CSS(S) - 003980

GPS FILE #: T5B10162 CZ 10/16/02

10:59 ESN DECONS EQUIPMENT & DEMOBS FROM SA3-19 TO SA3-23. WHILE EH TAKES RIG TO POINT, TC LEAVES SITE FOR DIESEL. CZ 10/16/02

11:00 CZ & CW COMPLETE EQUIPMENT DECON & DEMOB FROM SA3-19 TO SA3-23.

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-23

11:45 AFTER MOBING TO SA3-23 & WAITING FOR TC TO RETURN W/DIESEL FOR GEOPROBE & FUELING, CZ LOCATES S.S. SAMPLE LOCATION & PREPARE TO SAMPLE. CZ 10/16/02

11:58 ESN BEGINS COLLECTING FIRST MACROPROBE S.S. SAMPLE (CENTERPOINT). THEN CONTINUES TO COLLECT FOUR (4) ADDITIONAL SAMPLES (E, S, W, & N)

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	11:59	40"	48-60"	0
E	12:04	36"	48-60"	10'
S	12:07	NO RECOVERY	48-60"	10'
S	12:09	38"	48-60"	11'
W	12:13	38"	48-60"	10'
N	12:19	38"	48-60"	10

12:20 CW HOMOGENIZES ALL FIVE (5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/16/02

SP- 119555 CS- 09655

CZ 10/16/02

COC#: 004152 F.F. #: CSS(S) - 003980

GPS FILE #: T5C10162 CZ 10/16/02

12:21 ESN DECONS EQUIPMENT; COM

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-8

AT 42". BASED ON PREVIOUS SAMPLE (SA4-20 ON 10/14/02 - SEE PG 56) CZ COLLECTS MACROBORE FOR SAMPLING SAMPLE HORIZON FOR S MACROBORE 30-42". CZ 10/14/02

09:54 CW HOMOGENIZES ALL FIVE(5) S.S. SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/16/02

SP- 119553 CS- 09653

CZ 10/16/02

COC#: 009152 F.F. #- CSS(S)-003980

GPS FILE#: ~~TSA10/002~~ CZ 10/16/02 TSA10162

09:58 ESN DECONS EQUIPMENT & DEMOBS FROM SA3-8 TO SA3-19.

09:59 CZ CALLS GD TO MEET SUBSURFACE SOIL SAMPLING TEAM AT SA3-19. OK.

10:08 CZ, CW, & BT DECON EQUIPMENT & DEMOB FROM SA3-8 TO SA3-19.

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA VOLPE

SA3-19

10:07 CW, CZ, & BT ARRIVE AT SA3-19 & MEET W/ ESN. CZ 10/16/02

10:09 GD ARRIVES ONSITE.

10:10 CZ LOCATES SA3-19 POINT. IT IS ADJACENT TO THE ROADWAY & A STEEP BANK LEADING TO THE LUMBER STORAGE AREA. NOT AN ACCEPTABLE S.S. SAMPLE LOCATION. CZ RELOCATES SA3-19 S.S. SAMPLE LOCATION 100' S09°E FROM ORIGINAL LOCATION. CZ LOCATES NEW POINT W/ GPS, THEN MEASURE OUT PERIPHERAL POINTS. CZ 10/16/02

10:27 ESN BEGINS COLLECTING FIRST MACROPROBE (CENTER POINT) THEN CONTINUES TO COLLECT FOUR (4) ADDITIONAL S.S. SAMPLES (W, S, E, & N)

SAMPLE	TIME	RECOVERY	SAMPLE HORIZON	POSITION
CENTER	10:27	34"	48-60"	0
W	10:32	25"	48-60"	10'
S	10:36	34"	48-60"	10'
E	10:41	REFUSAL AT 21"		10'
~~N~~ E CZ 10/16/02	10:47	32"	48-60"	11'
N	10:51	26"	48-60"	10'

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

STIMSON LUMBER MORNING MEETING

08:32 ARRIVE AT STIMSON LUMBER Co. SITE FOR MEETING W/ GLEN DOUBEK (STIMSON SITE CONTACT). WILL RADIO HIM WHEN WE ARE READY TO COLLECT SA3-19, SA3-24, & SA3-1 DUE TO SUBSURFACE OBSTRUCTIONS AND HIGH TRAFFIC AREAS. GD OKS PLAN. CZ 10/16/02

08:50 CZ & CW LEAVE STIMSON FIRE HOUSE TO MEET UP W/ ESN CREW AT FIRST LOCATION FOR TODAY (SA3-8).

10/16/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/16/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-8

08:59 CZ & CW ARRIVE AT SA3-8 LOCATION TO CZ 10/16/02 & MEET UP W/ ESN CREW. ADDITIONALLY BOB TOLFORD ACCOMPANIES US THIS MORNING UNTIL JM ARRIVES ONSITE TODAY. CZ 10/16/02

09:05 CZ LOCATES SAMPLE W/ GPS. CW & CZ MARK OUT POINTS & WAIT FOR ESN TO ARRIVE W/ GEOPROBE. DUE TO ORIGINAL POSITION OF PONT, CZ RELOCATES SA3-8 TO A POINT 15' N81°W OF ORIGINAL & LOCATES W/ GPS & RELOCATES PERIPHERAL POINTS

09:25 ESN COMPLETES RIG WARM-UP & COLLECTS FIRST MACROBORE (N), THEN CONTINUE TO COLLECT FOUR (4) ADDITIONAL SUBSURFACE SOIL (S.S.) SAMPLES (W, CENTERPOINT, E, S)

09:33 ESN HITS REFUSAL IN W MACROBORE AT 30" ATTEMPT TO COLLECT NEW SAMPLE 11' W OF CENTERPOINT — SUCCESSFUL. CONTINUE MACROBORE SAMPLING. CZ 10/16/02

09:51 ESN HITS REFUSAL IN FINAL MACROBORE

10/16/02 CHRIS ZELIZNAK

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Tolford, Jeff Montera - CDM

1604 At SA4-8, Jeff Montera establishes composite points for the soil sample that he will be collecting in accordance with the Libby Asbestos Site OU4 Final SAP, and Addendum to SAP for Stimson Lumber.

1608 AT 10-15-02 SA SA4-8

SP- 119599 AT 10-15-02 CS- 09708

Field sheet 3974 COC#: 4455

GPS file #: T3J10152

1621 Depart ~~bag~~ AT 10-15-02 Log yard to find geoprobe crew. They are heading towards log yard, so we go to their next set up to observe their technique. Crew is from ESN's Colorado office.

1724 Depart geoprobe crew area, return to office.

1737 Samples handed over to processing crew.

1740 Logbook closed for the day.

Bob Tolford

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Tolford, Jeff Montera - CDM

1604 At SA 4-8, Jeff Montera establishes composite points for the soil sample that he will be collecting in accordance with the Libby Asbestos Site OU 4 Final SAP, and Addendum to SAP for Stimson Lumber.

1608 SP- 119599 BT 10-15-02 CS- 09708
AT 10-15-02 SA SA4-8

field sheet 3974 COC#: 4455

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1621 Depart ~~bag~~ AT 10-15-02 Logyard to find geoprobe crew. They are heading towards Log yard, so we go to their next set up to observe their technique. Crew is from ESN's Colorado office.

1724 Depart geoprobe crew area, return to office.

1737 Samples handed over to processing crew.

1740 Logbook closed for the day.

Bob Tolford

110

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Telford, Jeff Montera - CDM

1446 Arrive at Log yard area; I will navigate to SA4-6, SA4-7, and SA4-8 while Jeff goes to visit Walt Smith's Soils team for a few minutes.

1507 Jeff returns. Jeff establishes his composite points for SA4-6. Sampling, he will employ the methodology outlined in the Libby Asbestos Final (OU4) SAP, and SAP addendum for Stimson Lumber.

1512 SP- 119597 CS- 09705

SA4-6

Field Sheet: 3973 COC#: 4155

1524 Done sampling - But not GPS'ed yet.

GPS file # T3H 10152

1535 At SA4-7, Jeff establishes composite sample points. He will collect the sample in the above stated manner. This will be collected in duplicate.

1540 SP- 119598 CS- 09706 field sheet 3973

SA4-7

1544 SP- 119598 CS- 09707 field sheet 3974

SA4-7 dupl

COC#: 4155

GPS file# T3I 10152 I had to take off wrong sticker + replace with correct sticker. HT 10-15-02

1600 Depart for next sample point.

110

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Telford, Jeff Montera - CDM

1446 Arrive at Log yard area; I will navigate to SA4-6, SA4-7, and SA4-8 while Jeff goes to visit Walt Smith's Sails team for a few minutes

1507 Jeff returns. Jeff establishes his composite points for SA4-6. Sampling, he will employ the methodology outlined in the Libby Asbestos Final (OU4) SAP and SAP addendum for Stimson Lumber.

1512 SP- 119597 CS- 09705

SA4-6 AT 10-15-02

Field Sheet: 3973 COC#: 4155

1524 Dave sampling - but not GPS'ed yet.

GPS file # T3H 10152

1535 At SA4-7, Jeff establishes composite sample points. He will collect the sample in the above stated manner. This will be collected in duplicate.

1540 SP- 119598 CS- 09706 field sheet 3973

SA4-7

1544 SP- 119598 CS- 09707 field sheet 3974

SA4-7 dupl

COC#: 4155

GPS file# T3I 10152 I had to take off wrong sticker + replace with correct sticker. AT 10-15-02

1600 Depart for next sample point.

Bob Telford

Location Stimson Lumber Date 10.15.02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Bolford, Jeff Montera - CDM

1335 Jeff Montera establishes composite points for both SA2-7 & SA2-8. Jeff will collect samples in accordance with the Libby Asbestos Final (OU4) SAP, and the SAP addendum for Stimson Lumber.

1339 SA2-7 SP- 119593 BT 10.15.02 CS- 09701

1347 SA2-8 SP- 119594 BT 10.15.02 CS- 09702

field sheet: 3972 COC#: 4155

GPS file #: T3F0152

1352 Navigate to next set of points: SA2-9 (& SA2-10) BT 10.15.02

1400 SA2-9 SP- 119595 BT 10.15.02 CS- 09703 field sheet # 3972

1416 SA2-10 SP- 119596 BT 10.15.02 CS- 09704 field sheet # 3973

COC #: 4155

GPS file #: T3F0152

1430 Depart present location.

1437 Arrive @ geoprobe crew's location, work for them is progressing well.

1439 Depart Geoprobe zone; head to logyard area.

Location Stimson Lumber Date 10.15.02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Telford, Jeff Montera - CDM

1335 Jeff Montera establishes composite points for SA2-7 & SA2-8. Jeff will collect samples in accordance with the Libby Asbestos Final (OU4) SAP, and the SAP addendum for Stimson Lumber.

1339 SA2-7 SP- 119593 BT 10.15.02 CS- 09701

1347 SA2-8 SP- 119594 BT 10.15.02 CS- 09702

field sheet: 3972 COC#: 4155

GPS file #: T3F10152

1352 Navigate to next set of points: SA2-9 (& 10) BT 10.15.02

1410 SA2-9 SP- 119595 BT 10.15.02 CS- 09703 field sheet# 3972

1416 SA2-10 SP- 119596 BT 10.15.02 CS- 09704 field sheet# 3972

COC #: 4155

GPS file #: T3F10152

1430 Depart present location.

1437 Arrive @ geoprobe crew's location. Work for them is progressing well.

1459 Depart Geoprobe zone; head to logyard area.

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-7

15:32 CZ ARRIVES NEAR SA3-7. HOWEVER LOG PILE IS LOCATED DIRECTLY OVER POINT. CZ REPOSITIONS POINT 20' TO W. CZ 10/15/02

15:48 ESN COLLECTS FIRST MACROBORE (N) THEN CONTINUE TO COLLECT FOUR (4) ADDITIONAL S.S. SAMPLES (CENTER POINT, S, W, E) FROM 48-60" BGS.

15:54 ESN HITS REFUSAL AT ~18" IN CENTER POINT. CZ MOVES CENTER POINT 1' S. CZ 10/15/02 SUCCESSFUL COLLECTION. CZ REASSIGNS NEW COORDINATES FOR SA3-7. ADDITIONALLY (N) SS. SAMPLE LOCATION IS NOW 11' FROM CENTER. ALL ADDITIONAL POINTS (S, E & W) ARE REPOSITIONED ACCORDINGLY.)

16:16 ESN SUCCESSFULLY COLLECTS FINAL S.S. SAMPLE AT SA3-7.

16:21 CW HOMOGENIZES ALL FIVE(5) S.S SAMPLES & PACKAGES SAMPLE. CZ ASSIGNS SP & CS#S CZ 10/15/02

SP- 119551 CS- 09651

COC#: 004151 F.F.: CSS(S) - 003970

GPS FILE#: TSE10152

CZ 10/15/02 CHRIS ZELIZNAK.

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-7

16:25 ESN & COM DECON EQUIPMENT & DEMOB FROM SA3-7 TO SA4-10.

CZ 10/15/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA3-15

UNSUCCESSFUL. CZ & EH DECIDE TO TRY 11' E OF CENTER POINT - SUCCESSFUL. COLLECT E DUPLICATE SAMPLE FROM 12' E OF CENTER POINT. - UNSUCCESSFUL

14:52 CW COLLECTS FINAL ORIGINAL SAMPLE, HOMOGENIZES, & COLLECTS SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/15/02

SP- 119549 CZ 10/15/02 CS- 09649

COC#: 004151 FF: CSS(S) - 003969

GPS FILE #: T5D10152 CZ 10/15/02

14:53 ESN TAKES BREAK TO LET HYDRAULIC OIL COOL DOWN. CZ 10/15/02

15:04 ESN ATTEMPTS TO COLLECT E DUPLICATE SAMPLE 11' E OF CENTER, BIASED S 1'. ATTEMPT SUCCESSFUL CZ 10/15/02

15:12 CW COLLECTS FINAL DUPLICATE SAMPLE, HOMOGENIZES, & PACKAGES SAMPLE. CZ ASSIGNS SP & CS #S CZ 10/15/02

SP- 119550 CZ 10/15/02 CS- 09650

WILL NOTE ON COC THAT DUPLICATE SAMPLE WAS COLLECTED AT 15:30.

COC# 004151 FF: CSS(S) - 003970

10/15/02 CHRIS ZEZIZNAK

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA5-12

LATE ENTRY: PAGE 65 - DID NOT INCLUDE ~~SP & C~~ CZ 10/15/02 COC, FF, OR GPS FILE NUMBER, FOR SP-119548/CS-09648. THEY ARE:

COC# 004151 FF: CSS(S) - 003969

GPS FILE # T5C10152. CZ 10/15/02

15:15 ESN & COM BEGIN DECON & DEMOB FROM SA3-15. MOB TO SA3-7.

10/15/02 CHRIS ZEZIZNAK

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SAS-4

11:22 ESN SUCCESSFULLY COLLECTS FINAL SUBSURFACE SOIL SAMPLE. CZ 10/15/02

11:23 CW HOMOGENIZES COMPOSITE SAMPLE & COLLECTS SAMPLE. CZ ASSIGNS SP & CS #S

SP- 119547 CS- 09647

CZ 10/15/02

COC#: 004151 F.F.: CSS(S)-003969

GPS FILE: T5B10152

11:27 ESN DEMOBS & MOBS TO SAS-12 AFTER DECONNING EQUIPMENT.

11:39 CZ & CW COMPLETE SAMPLING PROCEDURE & DEMOB FROM SITE TO SAS-12.

10/15/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA VOLPE

SAS-12

11:41 CZ & CW ARRIVE AT SAS-12; ESN IS AT STAKE WAITING FOR GPS POINT. CZ LOCATES POINT, ESN ASSISTS LOCATING SAMPLE POINTS.

11:50 ESN BEGINS COLLECTING FIVE (5) S.S. SAMPLES (N, CENTER POINT, E, S, & W) FROM 48-60" BGS HORIZON. IN ADDITION, ~~CW & CZ WILL COLLECT~~ CZ 10/15/02 ~~THE DUPLICATE AT THIS LOCATION.~~ CZ 10/15/02 ~~EACH SAMPLING POINT WILL BE~~ CZ 10/15/02 ~~OFFSET TO THE EAST 1'.~~ CZ 10/15/02

12:49 ESN COMPLETES COLLECTION OF ORIGINAL ~~& DUPLICATE SAMPLES~~ SAMPLE CZ 10/15/02; CZ 10/15/02

12:52 CW HOMOGENIZES COMPOSITE SAMPLE, CZ 10/15/02 ~~HOMOGENIZES DUPLICATE SAMPLE, &~~ COLLECTS COMPOSITE SAMPLE. CZ ASSIGNS SP & CS #S. CZ 10/15/02

SP- 119548 CS- 09648

CZ 10/15/02

~~12:50 CW COLLECTS DUPLICATE SAMPLE~~ CZ 10/15/02 ~~SAMPLE TIME WILL BE NOTED AS 13:40~~ CZ 10/15/02 ~~ON COC. CZ ASSIGNS SP & CS #'S.~~

12:35 CW & ESN LEAVE SITE FOR LUNCH

13:20 RETURN TO WORK.

10/15/02 CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA4-24

09:13 AFTER WARMING UP GEOPROBE (MODEL 54DT) FOR APPROXIMATELY 10 MINUTES, ESN BEGINS SUBSURFACE SOIL SAMPLING AT S.S. SAMPLE LOCATION SA4-24. FIVE (5) S.S. SAMPLES WILL BE COLLECTED (S, W, N, CENTER POINT, E)

09:20 ESN HITS REFUSAL IN S BOREHOLE AT ~2'. CW DIRECTS ESN TO MOVE SAMPLE POINT 1' TO N. SAMPLE POINT COLLECTED SUCCESSFULLY FROM 9'S OF CENTERPOINT.

09:42 ESN SUCCESSFULLY COLLECTS W & N COMPOSITE CZ 10/15/02 S.S. SAMPLES. DURING COLLECTION OF ~~THE~~ THE CENTER POINT ~~SUBS.~~ CZ 10/15/02 SAMPLE, ESN HIT REFUSAL AT 52". SAMPLE HORIZON FROM THIS SAMPLE WILL BE 40-52". CZ 10/15/02

09:48 ESN SUCCESSFULLY COLLECTS FINAL SAMPLE (E). CZ 10/15/02

09:54 CW HOMOGENIZES COMPOSITE SAMPLE & COLLECTS SAMPLE. CZ ASSIGNS SP & CS #s

SP- 119546 CZ 10/15/02 CS - 09646

COC#: 004151 F.F.: CSS(S) - 003967

GPS FILE: TSA10152

CHRIS ZELIZNAK 10/15/02

Location STIMSON LUMBER Date 10/15/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA5-4

10:06 SUBSURFACE SOIL SAMPLE TEAM MOBS FROM SA4-24 TO SA5-4. UPON ARRIVAL, COM DETERMINED THAT THE ORIGINAL SAMPLE CENTERPOINT WAS DIRECTLY OVER THE MAIN SITE WATER LINE. JM ARRIVES ONSITE & CZ REQUESTS THAT HE CONTACT GLEN DOUBEK (SITE CONTACT) FOR ASSISTANCE RE: NEW PLACEMENT. CZ 10/15/02

10:31 GD ARRIVES ONSITE. HE ~~RECOMME~~ CZ 10/15/02 RECOMMENDS MOVING THE SAMPLE LOCATION TO THE EAST. CZ & CW MOVE THE CENTERPOINT 50' TO THE E.

10:41 ESN BEGINS SUBSURFACE SOIL SAMPLING AT S.S. SAMPLE LOCATION SA5-4. FIVE (5) S.S. SAMPLES WILL BE COLLECTED (W, N, CENTER POINT, E, S). AT 41" BGS, A 2" THICK PRODUCT (PETROLEUM PRODUCT) ODOR WAS NOTED CZ 10/15/02 AS WELL AS STAINING IN THE (W, N, CENTER, & SOUTH SAMPLES; IT WAS NOT OBSERVED IN THE E. SAMPLE. CZ TAKES PHOTO (#1) OF PRODUCT LAYER FROM CENTER BOREHOLE.

CHRIS ZELIZNAK 10/15/02

Location STIMSON LUMBER Date 10/14/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA4-20

CENTER POINT TO WEST.

15:14 ESN HITS REFUSAL IN REVISED WEST COMPOSITE SAMPLE LOCATION AT ~3.5'. AFTER DISCUSSION W/ JM, IT WAS DECIDED TO COLLECT MACROBORE FROM THIS HORIZON (30-42"). WHEN ~~SLEV~~ CZ 10/14/02 SLEEVE WAS RETRIEVED, 30" OF SAMPLE WAS COLLECTED (COMPACTION REDUCED SAMPLE THICKNESS). BASED ON DEPTH OF MACROBORE BGS, BOTTOM 1' OF SAMPLE WAS LOGGED AS 30-42".

15:15 CW COLLECTS COMPOSITE SAMPLE, HOMOGENIZES SAMPLE & COMPLETES COLLECTION PROCESS. DEMOB TO NEXT HOLE AT 15:23.

10/14/02
CHRIS ZELIZNAK

Location STIMSON LUMBER Date 10/14/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA4-21

15:44 ARRIVED AT SAMPLE SA4-21 IN THE LOG STORAGE YARD. ESN COLLECTS FIVE (5) SUBSURFACE SOIL SAMPLES (CENTER POINT, E, N, W & S) FROM 48-60" BGS. CZ ASSIGNS SP & CS #S

SP- 119545

LOC#: 004150

F.F.: CSS(S)-003966

GPSFILE: ~~T3E10142~~ T5A10142 CZ 10/14/02

CS- 09643

CZ 10/14/02

~~14~~ 16:15 CW COLLECTS COMPOSITE SAMPLE, HOMOGENIZES IT, & COMPLETES COLLECTION. DEMOB TO NEXT HOLE AT 15:40.

10/14/02
CHRIS ZELIZNAK

BT 10-14-02

Location Libby, ~~Asbes~~ Montana Date 10-14-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Tolford, Jeff Montera - CDM.

BT 10-14-02

~~10~~ 1710 Dee Warren arrives at SA3-1. I will accompany her back to office to collect our equipment blank.

1720 Depart Stimson Lumber for office.

1731 arrive @ office

1742 collect field blank **CS- 09690** BT 10-14-02

field form: 3958 COC: 4157

1805 Logbook closed for the day.

Location Stimson – Lumber Yard Date 10-14-02

Project / Client Libby Asbestos – Volpe-Region 8

Bob Tolford, Jeff Montera (CDM)

1416 Navigate to ~~SLA 3 23 13~~ 54 AT 10-14-02 SA3-13

Jeff establishes 5 composite points. Centroid will be 20' to the NE of SA3-13 pre-determined location; original is on concrete pad.

1433 Collect SA3-13 **SP- 119577** AT 10-14-02 **CS- 09683**

COC ~~0014~~ AT 10-14-02 004157 Field Sheet: 003957

GPS File # T6C 10142

No visible vermiculite. Sample collection was conducted in accordance with Libby Asbestos OU4 Final SAP, and Addendum for Stimson Lumber SAP.

1444 Depart for next site.

Bob Tolford

98

Location Stimson, Lumber Yard Date 10-14-02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Tolford, Jeff Montera - (CDM)

1445 Navigate to SA3-14

1455 AT SA3-14, centroid is located in what appears to be freshly graded fill. Jeff establishes centroid, + 4 other composite points.

1458 SP- 119578 ~~10-14-02~~ CS- 09684
collect SA3-14

COC: 4157 Field Sheet: 003956

GPS file # T6D10146

Sampling conducted by Jeff Montera in accordance with Libby Asbestos OU4 Final SAP, and Stimson Lumber SAP Addendum.

Depart for next site.

100

Location Stimson, Lumber Yard Date 10-14-02

Project / Client Libby Asbestos / Volpe - EPA Region 4

Bob Talford, Jeff Montera - CDM

1544 Arrive near SA3-11. Jeff Montera collects sample (+ duplicate) in accordance with Libby OU4 SAP, and Stimson Lumber Addendum to SAP.

1554 collect SA3-11 SP- 119580 CS- 09686

1559 duplicate of SA3-11 SP- 119580 CS- 09687

AT 10-14-02

Field form: 3955 COC: 4157

GPS file #: T6F10142

AT 10-14-02 ~~1509~~ 1609 Depart for water break. Done at site.

Location Stimson Lumber Yard Date 10-14-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Tolford, Jeff Montera - CDM

1621 ~~1521~~ Arrive at ~~SLA~~ SA3-12 area (BT 10-14-02)

BT 10-14-02 ~~1625~~ Navigate to SA 3-12. Jeff Montera selects

1625 composite points. ~~+ collects~~ BT 10-14-02 Jeff will also collect the samples in accordance with the Libby Asbestos OU4 Final SAP, and the Stimson Lumber SAP Addendum.

1633 collect SP- 119581 BT 10-14-02 CS- 09688

SA3-12

This sample location is in a black topped (asphalt) parking lot. Composite sample is not possible so a grab sample will be collected.

1643 Depart site COC: 4157

GPS file #: T6G10142 Field form: 3954

102

Location Stimson Lumber Date 10-14-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Telford, Jeff Montera - CDM

1645 Arrive at SA3-1 Jeff Montera sets about establing 5 composit points in accordance with Libby Asbestos OU4 SAP, and the Stimson Lumber SAP Addendum.

1650 collect SA3-1

SP- 119582 CS- 09689

COC: 4157 Field sheet #: 3953

GPS file#: T6#10142

no vermiculite noted

BT 10-14

17

17

17

Ri

Location Stimson, Lumber Yard Date 10-14-02

Project / Client Libby Asbestos (Volpe - EPA Region 8
Bob Tolford, Jeff Montero - CDM

1521 At SA3-22, Jeff Montera establishes composite points. Sampling will be in accordance with Libby 004SAP and Stimson Lumber SAP addendum.

SP- 119579 BT 10-14-02 CS- 09685

1527 collect SA3-22
COC #157 Field Sheet: 3952
GPS File #: TbE 10142

1541 Depart for next site.

Location Stimson - Lumber Yard Date 10-14-02

Project / Client Libby Asbestos - Volpe-EPA Region 8

Bob Tolford, Jeff Montera (CDM)

1345 Navigate to ~~SA3-22 23~~ SLA3-23 (AT-10-14-02) (L

1402 SP- 119576 (BT 10-14-02) CS- 09682

Collect SLA3-23 5 points.

N 0° E 10' 14

N 90° E 10' S

N 90° W 10'

S 0° W 10' (AT 10-14-02)

No visible vermiculite. Sample collection conducted in accordance with SAP: Libby Asbestos OU4 Final SAP and Addendum for Stimson Lumber Co. SAP

COC: 004157 GPS file# T6B10142 14

Field Sheet # CSS(S) 003951

1414 Depart for next site

Bob Tolford

Location 875 U.S. Hwy 2 So. Date 10/16/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

1330 Arrive Subarea 6. Sampling will be done in Level C. S. Parles will collect samples per CSS SAP. R. Roberts will GPS points. Decon between samples. B. Tolford will support in decon area.

SA6-2 1415	CS- 09591	SP- 119494	5 pt.
TIF10162	FSDS-003945	Coc-0041832	
SA6-4 1425	CS- 09592	SP- 119735	5 pt.
TIG10162	FSDS-003945	Coc-0041832	
SA6-5 1435	CS- 09593	SP- 119736	5 pt.
TIH10162	FSDS-003945	Coc-0041832	
SA6-6 1500	CS- 09594	SP- 119737	5 pt.
TII10162	FSDS-003946	Coc-0041832	
SA6-7 1515	CS- 09595	SP- 119738	5 pt.
TIJ10162	FSDS-003946	Coc-0041843	
SA6-11 1510	CS- 09596	SP- 119739	5 pt.
TIK10162	FSDS-003946	Coc-0041843	

RR 10/16/02

10/16/02 Randall Roberts Randall Roberts

64

Location 875 U.S. Hwy 2 80. Date 10/16/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

Stimson Lumber

SA4-4 Dup. 1112	CS- 09590	10/16/02	SP- 119493 5 pt.
	FSDS-003944		COC-004182

10/16/02

10/16/02 Randall Roberts Randall Roberts

Location 875 U.S. Hwy 2 So. Date 10/16/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

0900 Arrive Subarea 4. S. Robles
will collect samples per CSS SAP.
Decon equipment between samples.

SA4-5 0910	CS- 09585	SP- 119489 5 pt.
TIA10162	FSDS-003943	COC-004182
SA4-1 1005	CS- 09586	SP- 119490 5 pt.
TIB10162	FSDS-003943	COC-004182
SA4-2 1015	CS- 09587	SP- 119491 5 pt.
TIC10162	FSDS-003943	COC-004182
SA4-3 1035	CS- 09588	SP- 119492 5 pt.
TID10162	FSDS-003944	COC-004182
SA4-4 1100	CS- 09589	SP- 119493 5 pt.
TIE10162	FSDS-003944	COC-004182

1122 Leave site. Lunch

10/16/02

10/16/02 Randall Roberts Randall Roberts

60

Location 875 U.S. Hwy 2 So. Date 10/15/02

Project / Client Libby Asbestos VOLPE/EPA Region 8 Stimson Lumber

SA4-10 1738	CS- 09584 10/15/02	SP- 119488 5 pt.
T5G10152	FSDS-003942	CGC-004154

1745 Leave site.

RR 10/25/02

10/15/02 Randall Roberts Randall Roberts

10/15

Location 875 U.S. Hwy 2 So. Date 10/15/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

Stanson Lumber

1522 Arrive Subarea 4 S. Robles will collect samples per CSS SAP. Decon equipment between samples.

SA4-12 1533	CS- 09535	SP- 119481	5 pt.
TIP10152	FSDS-003940	Coc-004153	
SA4-13 1555	CS- 09536	SP- 119482	5 pt.
TIQ10152	FSDS-003940	Coc-004153	
SA4-11 1620	CS- 09537	SP- 119483	5 pt.
TIR10152	FSDS-003940	Coc-004153	
SA4-14 1635	CS- 09538	SP- 119484	5 pt.
TIS10152	FSDS-003941	Coc-004153	
SA4-15 1652	CS- 09539	SP- 119485	5 pt.
TIT10152	FSDS-003941	Coc-004154	
SA4-16 1710	CS- 09540	SP- 119486	5 pt.
TIU10152	FSDS-003941	Coc-004154	
SA4-9 1723	CS- 09583	SP- 119487	5 pt.
TIV10152	FSDS-003942	Coc-004154	

10/15/02 Randall Roberts | Randall Roberts

58

Location 875 U.S. Hwy 2 So. Date 10/15/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

SA1-15 1415	CS- 09533	SP- 119480 5 pt.
T1010152	FSDS-003938	Coc-004153
SA1-15 Dup. 1420	CS- 09534	SP- 119480 5 pt.
	FSDS-003939	Coc-004153

1438 Leave site. Lunch

10/15/02 Randall Roberts Randall Roberts

Location 875 U.S. Hwy 2 So. Date 10/15/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

Stimson Lumber

SA-1 1150 TIG10152	CS- 09525 FSDS-003936	SP- 119472 5 pt. Coc-004130
SA-7 TIH10152 1220	CS- 09526 FSDS-003936	SP- 119473 5 pt. Coc-004130
SA1-8 1241 TII10152	CS- 09527 FSDS-003936	SP- 119474 5 pt. Coc-004130
SA1-9 1256 TIJ10152	CS- 09528 FSDS-003937	SP- 119475 5 pt. Coc-004130
SA1-10 1315 TIK10152	CS- 09529 FSDS-003937	SP- 119476 5 pt. Coc-004153
SA1-14 1330 TIL10152	CS- 09530 FSDS-003937	SP- 119477 5 pt. Coc-004153
SA1-13 1350 TIM10152	CS- 09531 FSDS-003938	SP- 119478 5 pt. Coc-004153
SA1-12 1403 TIN10152	CS- 09532 FSDS-003938	SP- 119479 5 pt. Coc-004153

10/15/02 Randall Roberts Randall Roberts

56

Location 875 U.S. Hwy 2 So. Date 10/15/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

Stimson Lumber

0845 Arrive Fire Hall for morning meeting. Will be sampling Subarea 1.
0905 Arrive Subarea 1 Former Popping Plant. S. Robles will collect samples per CSS SAP. Decon between samples.

SA1-5 0914 TIA10152	CS- 09519 FSDS-003934	SP- 119466 5 pt. Coc-004130
SA1-11 TIB10152 0935	CS- 09520 FSDS-003934	SP- 119467 5 pt. Coc-004130
SA-6 0956 TIC10152	CS- 09521 FSDS-003934	SP- 119468 5 pt. Coc-004130
SA1-3 1020 TID10152	CS- 09522 FSDS-003935	SP- 119469 5 pt. Coc-004130
SA1-4 1045 TIE10152	CS- 09523 FSDS-003935	SP- 119470 5 pt. Coc-004130
SA1-2 1131 TIF10152	CS- 09524 FSDS-003936	SP- 119471 5 pt. Coc-004130

10/15/02 Randall Roberts Random Rents

Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

1646 arrive SA3-19. S. Robles
will collect sample Rev CSS SAP.

SA3-19	CS- 09517	SP- 119465	5 pt.
1651	FS05-003932	COC-004129	
GPS FILE: T1H10142	No vermic. seen		

1657 Decon equipment.
1700 Move to next point.

RR 10/14/02

10/14/02 Randall Robert Randall Robert

52 Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8
Stimson Lumber

1616 Arrive SA3-18. S. Robles will
Collect sample per CSS SAP.

SA3-18	CS- 09516	SP- 119464	5 pt.
1629	ESDS-003931	COC-004129	

GPS FILE: TIG10142 No vermic. seen.
1638 Decon equipment.
1640 Move to next point

RR 10/14/02

10/14/02 Randall Roberts Randall Roberts 10/14

Location 875 Hwy 2 So. Date 10/14/02

Project / Client Libby Asbestos VOLPE/EPA Region 8

Stimson Lumber

1537 Arrive SA3-17 Move collection point ~35' West to get it out of Libby Creek. S. Robles will collect sample per CSS SAP. ~~RR 10/14/02~~

SA3-17	CS- 09515	SP- 119463 5 pt.
1547	FSDS-003930	COC-004129

GPS FILE: TIF10142 No vermic. Seen.

1555 Decon equipment.

1600 Move to next point.

RR 10/14/02

10/14/02 Randall Roberts Randall Roberts

108

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Tolford, Jeff Montera - CDM

1145 Navigate to SA2-5 (&6). Jeff Montera establishes the compssit points for both, and collects samples (will collect samples) in accordance with the Libby Asbestos OU4 SAP, and the addendum for Stimson Lumber.

1157 BT 10-15-02 ~~SA~~ SA2-6 SP- 119591 BT 10-15-02 CS- 09699

1203 SA2-5 SP- 119592 10-15-02 BT CS- 09700

field Sheet 3926 COC#: 4156

GPS file#: ~~T3~~ T3E10152 BT 10.15.02

1225 depart site to check on other teams

1235 Go to office for supplies.

1250 Break for lunch.

1321 Done with lunch, return to site

1329 At Stimson Lumber - RR Spur.

1332 B. Tolford Navigates to SA2-7 & 8.

108

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Tolford, Jeff Montera - CDM

1145 Navigate to SA2-5 (&6). Jeff Montera establishes the compossit points for both, and collects samples (will collect samples) in accordance with the Libby Asbestos OU4 SAP, and the addendum for Stimson Lumber.

1157 AT 10-15-02 ~~SLA~~ SA2-6 SP- 119591 10-15-02 CS- 09699

1203 SA2-5 SP- 119592 10-15-02 CS- 09700

field Sheet 3926 COC#: 4156

GPS file#: ~~T3~~ T3E10152 AT 10.15.02

1225 depart site to check on other teams

1235 Go to office for supplies.

1250 Break for lunch.

1321 Done with lunch, return to site

1329 At Stimson Lumber - RR Spur.

1332 B. Tolford Navigates to SA2-7 & 8.

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Reg. 8

Bob Tolford, Jeff Montera - CDM

1043 SA2-3 is located. Jeff will collect samples in accordance with Libby OU4 SAP, and the SAP Stimson Lumber Addendum.

BT 10-15-02
~~A~~1043 SA2-3 SP- 119587 BT 10-15-02 CS- 09695
~~SA2-3~~
BT 10-15-02

1054 SP- 119588 BT 10-15-02 CS- 09696
SA2-4

Field form#: 3925 Coc#4156

GPS file# T3C10152

...8 Navigated to SA2-1 (&2), Jeff Montera will collect samples in accordance with Libby Asbestos Site OU4 SAP, and the SAP Addendum for Stimson Lumber.

1124 SP- 119589 BT 10-15-02 CS- 09697 field form 3925
SA2-1

1132 SP- 119590 BT 10-15-02 CS- 09698 field form# 3926
SA2-2

Coc# 4156

GPS file# T6D10152

BT 10-15-02 [signature]

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Reg. 8

Bob Tolford, Jeff Montera - CDM

1043 SA2-3 is located. Jeff will collect samples in accordance with Libby OU4 SAP, and the SAP Stimson Lumber Addendum.

BT 10-15-02

1043 SA2-3 SP- 119587 BT 10-15-02 CS- 09695

~~SA2-3~~ BT 10-15-02

1054 SP- 119588 BT 10-15-02 CS- 09696

SA2-4

Field form#: 3925 Coc#4156

GPS file# T3C10152

1118 Navigated to SA2-1(B-2), Jeff Montera will collect samples in accordance with Libby Asbestos Site OU4 SAP, and the SAP Addendum for Stimson Lumber.

1124 SP- 119589 BT 10-15-02 CS- 09697 field form 3925

SA2-1

1132 SP- 119590 BT 10-15-02 CS- 09698 field form 3926

SA2-2

Coc# 4156

GPS file# T6D10152

BT 10-15-02

106

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Tilford, Jeff Montera - CDM

0943 At ~~SA2~~ AT 10-15-02 SA2-11 (and 12), Jeff Montera digs sample points. He will collect samples in accordance with the Libby Asbestos OU4 SAP, and the SAP Addendum for Stimson Lumber.

SA2-11 SP- 119585 BT-10-15-02 CS- 09693

0950

SA2-12 SP- 119586 BT 10-15-02 CS- 09694

0954

Field Sheet # 3924 COC# 4156

GPS file: T3 B10152

1014 ~~Navigate to next set of points SA2-9 and SA2-10.~~

BT 10-15-02

1015 Depart this site (SA2-11 & 12) for subsurface team's location.

1020 At Subsurface soil team location, Jeff Montera advises team that it is ok to put more than one sample on the field sheets.

1027 Depart Stimson for a beverage break.

1038 Return to site to locate SA3 & 4.

Bob Tilford

106

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Bilford, Jeff Montera - CDM

0943 At ~~SLA2~~ BT 10-15-02 SA2-11 (and 12), Jeff Montera digs sample points. He will collect samples in accordance with the Libby Asbestos OU4 SAP, and the SAP Addendum for Stimson Lumber.

SA2-11 SP- 119585 BT-10-15-02 CS- 09693

0950

SA2-12 SP- 119586 BT 10-15-02 CS- 09694

0954

Field sheet # 3924 COC# 4156

GPS file: T3 B10152

1014 ~~Navigate to next set of points SA2-9 and SA2-10.~~

BT 10-15-02

1015 Depart this site (SA2-11 & 12) for subsurface team's location.

1020 At Subsurface soil team location, Jeff Montera advises team that it is ok to put more than one sample on the field sheets.

1027 Depart Stimson for a beverage break.

1038 Return to site to locate SA3b-4.

Bob Bilford

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8
Bob Bolford, Jeff Montera - CDM

0845 Met with ~~Greg~~ BT 10-15-02 Glen Dabek of Stimson Lumber for briefing of todays activities. Jeff + I will sample along the RR spur, and lines owned by Stimson lumber.

0858 At SA2-13 area, ~~We~~ BT 10-15-02 Jeff navigates to the sampling point.

0907 SA2-13 location is established, Jeff digs the 3 holes in accordance with the SAP for SA2-13, and for SA2-14 on opposite sides of the RR track

SA2-13 SP- 119583
0913 BT 10-15-02 CS- 09691 field form# 3922

SA2-14 SP- 119584
0924 BT 10-15-02 CS- 09692 field form# 3923

~~Field form#~~ BT 10-15-02 COC# 4156
GPS file T3A10152

0933 depart for next site

Bob Bolford

Location Stimson Lumber Date 10-15-02

Project / Client Libby Asbestos / Volpe - EPA Region 8

Bob Tolford, Jeff Montera - CDM

0845 Met with ~~Greg~~ BT 10.15.02 Glen Dobek of Stimson Lumber for briefing of todays activities. Jeff + I will sample along the RR spur, and lines owned by Stimson lumber.

0858 At SA2-13 area, ~~I + e~~ BT 10.15.02 Jeff navigates to the sampling point.

0907 SA2-13 location is established, Jeff digs the 3 holes in accordance with the SAP for SA2-13, and for SA2-14 on opposite sides of the RR track

SA2-13 SP- 119583 BT 10-15-02 CS- 09691 field form # 3922

0913

SA2-14 SP- 119584 BT 10-15-02 CS- 09692 field form # 3923

0924

~~field form #~~ BT 10.15.02 COC# 4156

GPS file T3A10152

0933 depart for next site

Bob Tolford

Location Lumber Yard @ Stimson Date 10-14-02

Project / Client Libby Asbestos / VOLPE EPA Region 8

~~BD# 00 2849~~ BT 10-14-02 (No BD# to be used)

1220 Navigate close to point 24 which in reality is on other side of locked fence.

1232 Collect "Lumber Yard SA3-24"

CS- 09681

BT 10-14-02

SP- 119575

~~BT 10 14 ... BT~~ 10-14-02

COC: 004157 GPS file#: T6A10142

A composite was not collected. A grab sample was collected instead as there was asphalt surrounding what otherwise would have been the "centroid". No vermiculite observed. Field Sheet SSS(S)-003921

BD [signature]

Location SA5-6 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS FILE #T4L10152

1419 - COLLECTED FIVE SUBSAMPLES FROM SA5-6

WS 10-15-02 SA5-6 CS- 09296 WS 10-15-02 SP- 119533

1419 5-POINT

FDS.003920 COC-004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-15-02

38

Location SA5-5 South STIMSON [illegible] Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE # T4K10152

1407 - COLLECTED FIVE SUBSAMPLES FROM SA5-5.

SA5-5 CS- 09295 WS 10-15-02 SP- 119532

1407 5-POINT

FDS. 003920 COC- 004133

DECONTAMINATED EQUIPMENT AFTER SAMPLING

[illegible] SMITH

10-15-02

Location SAS-7 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS. FILE # T4J 10152.

1352 - COLLECTED FIVE SUBSAMPLES FROM SAS-7.

SAS-7
1352

CS- 09294 10-15-02 SP- 119531 5-POINT

FDS. 003920 COC- 004133

DECONTAMINATED EQUIP PRIOR AFTER SAMPLING.

WATER SAMPLE

10-15-02

Location STIMSON LUMBER Date 10/14/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA4-6

11:12 EH & TC(ESN) AND CZ, CW, & TM. ARRIVE AT SAMPLE SA4-6 IN THE LOG STORAGE YARD. ESN COLLECTS FIVE(5) SUBSURFACE SOIL SAMPLES (CENTER POINT, N, E, S, & W) FROM 48-60" BGS. CZ ASSIGNS SP & CS #S

SP- 119543

CZ 10/14/02

CS- 09641

CZ 10/14/02

COC# 004150 FIELD FORM # CSS(S)-003918

GPS FILE # T3A 10122. CZ 10/12/02

12:09 ESN HAS REFUSAL ON FINAL COMPOSITE SAMPLE (W SAMPLE FROM SA4-6). CZ DIRECTS ESN TO ATTEMPT SAMPLE FROM 9' OFF CENTER ALONG WEST LINE.

CZ 10/12/02 12:16 ESN COLLECTS FINAL COMPOSITE SAMPLE & CW COMPLETES SOIL HOMOGENIZATION & COLLECTION PROCESS. COMPLETE SAMPLING & DEMOB AT 12:28.

10/14/02
CHRIS ZEZIZNAK

Location STIMSON LUMBER Date 10/14/02

Project / Client LIBBY ASBESTOS EPA/VOLPE

SA4-20

12:41 ESN & CDM SUBSURFACE SAMPLING TEAM ARRIVE AT SAMPLE LOCATION SA4-20 IN THE LOG STORAGE YARD. ESN COLLECTS FIVE(5) SUBSURFACE SOIL SAMPLES (N, E, S, CENTER POINT, W) FROM 48-60" BGS. CZ ASSIGNS SP & CS #S

SP- 119544

COC# 004150

F.F.# CSS(S)-003927. CZ 10/14/02

CS- 09642

GPSFILE# T3B10142. CZ 10/14/02

13:15 ESN BREAKS DRIVE HEAD FOR MACROBARREL. BEGIN REPAIRS - (NOTE: FINAL MACROBARREL WAS DRIVEN TO FULL SAMPLE DEPTH PRIOR TO BREAKAGE - WILL BE COLLECTED ONCE REPAIRS ARE MADE.)

13:35 AFTER MUTIPLE ATTEMPTS TO PULL MACROBARREL, ESN & CDM BREAK & CZ 10/14/02 FOR LUNCH.

15:36 RETURNED TO SITE & EQUIPMENT REPAIRS

15:07 ESN DEEMS MACROBORE LOST IN PLACE DRILL NEW SAMPLING POINT 8' FROM

10/14/02

36

Location SAS-4 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS. FILE #T4I10152.

1327 COLLECTED FIVE SUBSAMPLES FROM SAS-4

SAS-4
1327 CS- 09293 10-15-02 SP- 119530 5-POINT

FDS 003888 COC-004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

CONTROL SAMPLE

10-15-02

Location SAS-1 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S. FILE # T4H10152

1246-COLLECTED FIVE SUBSAMPLES FROM SAS-1

SAS-1 5-POINT

1246 CS- 09292 SP- 119529 10-15-02

FDS 003888 COC-004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-15-02

34

Location SA5-2 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE #TAG10152.

1140 - COLLECTED FIVE SUB SAMPLES FROM SA5-2 5-POINT

SA5-2

1140

CS- 09291 10-15-02 SP- 119528

FDS.003888 COC-004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WALTER SIMSON

10-15-02

Location SA5-3 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE # T4F10152.

1116 - COLLECTED FIVE SUBSAMPLES FROM SA5-3

SA5-3

1116

CS- 09290 US 10 15 02 SP- 119527 5-POINT

FDS. 003887 COC-004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

[illegible]

10-15-02

32

Location SA5-8 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS. FILE # T4E10152.

1049 - COLLECTED FIVE SUBSAMPLES FROM S...

SA5-8 SP- 119254

1049 CS- 09289 10-15-02 5-POINT

FDS 003887 COC-004132

DECONTAMINATED EQUIPMENT AFTER S...

PLING.

WALTER SMITH

10-15-02

Location SA5-12 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

GPS FILE # T4D10152

1028 - COLLECTED FIVE SABSAMPLES FROM SA5-12

SA5-12 SP- 119253

1028 CS- 09288 WS 10-15-02 5-POINT

FDS. 003887 OOC- 004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-15-02

30

Location SA5-9 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S. FILE # T4C10152.

1003 - COLLECT SAMPLE AND DUPLICATE FROM SA5

SA5-9 SP- 119252

1003 CS- 09286 WS 10-15-02 5 POINT

FDS 003886 COC-004132

SA5-9 SP- 119252

DUPLICATE CS- 09287 WS 10-15-02 5 POINT

1009 FDS 003886 COC-004132

DECONTAMINATED EQUIPMENT AFTER EACH SAMPLE.

WALTER SMITH

10-15-02

23

Location SAS-10 STIMSON LUMBER Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S. FILE# T4B10152.

0936 - COLLECTED FIVE SUBSAMPLES FROM SAS-10

SAS-10 SP- 119251

0936 CS- 09285 US 10-15-02 5-POINT

FDS. 003886 COC - 004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-15-02

28

Location SA5-11 Stimson Lumber Date 10-15-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE#T4A10152.

0916 - COLLECTED FIVE SUBSAMPLES FROM SA5-11

SA5-11 SP- 119250

0916 CS- 09284 WS 10-15-02 5-point

FDS 003885 CC-004132

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WALTER STIMSON

10-15-02

Location SA3-21 STIMPSON LUMBER Date 10-14-02

Project / Client LIBBY ASBESTOS - VOLPE / EPA

G.P.S FILE # T4H10142.

1528 - COLLECTED FIVE SUBSAMPLES FROM SA3-21.

SA3-21 SP- 119249

1528 CS- 09282 10-14-02 5-POINT

FDS 003883 COC-004131

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

SPOKE WITH JEFF MONTERA AND HE ADVISED TO HELP OUT SOILS & LEFT STIMPSON LUMBER AT 1710 TO COM OFFICE TO COMPLETE PAPERWORK AND DO EQUIPMENT BLANK.

Walter Smith

10-14-02

24 Location SA3-20 Simpson Lumber Date 10-14-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS FILE #14G10142.

1510 - COLLECTED FIVE SUBSAMPLES FROM SA3-20

SA3-20 SP- 119248

1510 CS- 09281 10-14-02 5-POINT

FOS 003882 COC-004131

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WALTER SMITH

10-14-02

Location SA3-16 STIMPSON LUMBER Date 10.14.02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE #ET4F10142

1444 - COLLECTED FIVE SUBSAMPLES FROM SA3-16.

SA3-16 CS- 08300 SP- 119247

1444 10-14-02 5-POINT

FDS. 003881 COC-009131

DECONTAMINATED EQUIPMENT AFTER SAMPLING

WALTER SMITH

10-14-02

22

Location SA3-15 STIMPSON LUMBER Date 10-14-02

Project / Client LIBBY ASBESTOS-VOLPE/EPA

G.P.S. FILE # T4E10142.

1419- COLLECTED FIVE SUBSAMPLES FROM SA3-

SA3-15 CS- 08299 SP- 119246

1419 10/14/02 5-POINT

FDS. 003880 COC- 004131

DECONTAMINATED EQUIPMENT AFTER SAMPLE

DUPLICATE SAMPLE

10-14-02

Location SA3-10 STIMPSON LUMBER Date 10-14-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE# T4010142.

1400 - COLLECTED FIVE SUBSAMPLES FROM SA3-10.

SA3-10 CS- 08298 SP- 119245

1400 US 10-14-02 5-POINT

F.D.S. 003879 COC - 004131

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

Walter Smith

10-14-02

20

Location SA3-9 STIMPSON LUMBER Date 10-14-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

G.P.S. FILE# T4C10142.

1335 - COLLECTED FIVE SUBSAMPLES FROM SA3-9.

SA3-9 CS- 08297 WS 10-14-02 SP- 119244

1335 5-POINT

F.O.S 003878 COC-004131

DECONTAMINATED EQUIPMENT AFTER SAMPLE

UNAL TOR SMITH

10-14-02

Location SA3-7 STIMPSON WOODS Date 10-14-02

Project / Client GIBBS ASBESTOS - VOLPE/EPA

GPS FILE # TAB10142

1205 - COLLECTED FIVE SUBSAMPLES FROM SA3-7.

SA3-7 CS- 08296 SP- 119243

1205 10-14-02 5-POINT

FOS 003877 COC-004131

DECONTAMINATED EQUIPMENT AFTER EACH SAMPLE. LEFT FOR LUNCH AT 1215. RETURNED FROM LUNCH AT 1245.

Walter Smith

10-14-02

13

Location SA3-2 STIMPSON LUMBER Date 10-14-02

Project / Client LIBBY ASBESTOS - VOLPE/EPA

GPS FILE #~~T4A10142~~ T4A10142.

1104 ARRIVED IN AREA SA3-2. HAD TO WAIT FOR THE POOP TO DROP. COLLECT SAMPLE AT 1145. THE SAMPLE WAS MOVED 30' AWAY FROM THE RIVER. ORIGINAL LOCATION WAS IN THE WATER.

SA3-2 CS- 08295 SP- 119242

1145 5-POINT

FDS. 003876 COC-004131

DECONTAMINATED EQUIPMENT AFTER SAMPLING.

WALTER SMITH

10-14-02

Appendix D

Location Stimson Date 4-30-04

Project / Client Libby Asbestos US EPA Region 8
Stimson Maintenance Building

0905: Arrive onsite to complete floor plan, make final determination on walls with VCI, and to finish collecting all dust samples. All work IAW Predesign Final Draft Work Plan 2003.

Room 2-1	1D- 01747	
Rooms 5-1 and 5-7	1D- 01749	
Room 7-2	1D- 01750	
Room 7-3	1D- 01751	
Rooms 8-4 and 8-5	1D- 01752	
Rooms 9-3 and 10-2	1D- 01753	
~~Room 8C (Women's Bathroom)~~ BS 4/30/04	1D- 01754	Rooms 10-3, 10-4, 10-5, 11-3, 12-5
~~Room 13-1~~ BS 4/30/04	1D- 01755	Rooms 8A and 8B
~~Rooms 16-1 and 18-1~~ BS 4/30/04	1D- 01756	Rooms 10A, 10B, 10C and 10D
~~Rooms 17-2 and 17-3~~ BS 4-30-04	1D- 01757	Room 8C (Women's Bathroom)

BS 4-30-04 BS 4/30/04

[signature] — 4/30/04 — Ben Shoup

Location Stimson Date

Project / Client Continued from page 42.

Room 13-1	1D- 01758	
Rooms 16-1 and 18-1	1D- 01759	
Rooms 17-2 and 17-3	1D- 01760	
Room 17-4	1D- 01789	
Room 17-1	1D- 01790	
Room 19-1	1D- 01791	
Dust Blank	1D- 01792	

BS 4-30-04 BS 4-30-04

1715: Finished onsite @ Stimson Building

[signature] 4/30/04

Location 417 Dome Mountain Ave. Date 4-19-04

Project / Client Libby Asbestos US EPA Region 8

BD-004284 Karen Babb

0914: Arrive @ 417 Dome Mountain Ave. to complete the out door portion of the CSS. B. Shoup (author) and P. Opem on site. All work done IAW Final SAP CSS/RI Revision I. Weather is cool and wet thick cloud cover. as 4-19-04

1012 Yard 1	CS- 18149	SP- 121237 FDS: 000083
1018 Yard 2	CS- 18150	SP- 121238 FDS: 000083
1027 Driveway	CS- 18151	FDS: 000083 SP- 121951
1039 Flowerbed	CS- 18152	FDS: 000084 SP- 121952
1039 Flowerbed Dup	CS- 18153	FDS: 000084 SP- 121952

4-19-04

No vermiculite was observed on this property. GPS file T5A04194 all soil points collected.

1107: Finished @ 417 Dome Mountain Ave.

B Shoup 4-19-04

B Shoup — 4-19-04 — Ben Shoup

Location Stimson Mill Date 4-19-04

Project / Client Libby Asbestos US EPA Region 8

1440: Arrive at old Stimson Mill to collect design dust samples. B. Shoup (author), P. Opem, D. Speilman, S. Olivera, G. Parana onsite. All work done IAW Pre-design Final Draft Work Plan 2003. Dust samples are as follows on FDS-000202:

ID-01715, Room 12-4 : 1445 - 1451
ID-01716, Room 12-3 : 1453 - 1459
ID-01717, Room 12-2 : 1503 - 1509

Dust samples are as follows on FDS-000203:

ID-01718, Room 11-1 : 1512 - 1518
ID-01719, Rooms 7-1, 8-1 : 1520 - 1526
ID-01720, Rooms 6-1 & 6-4 : 1529 - 1535

Dust samples are as follows on FDS-000204: as 4-19-04

ID-01721, Dust Blank
ID-01722, Room 4-1 : 1630 - 1636
ID-01723, Room 1-1 : 1639 - 1645

Completed floor plan for sampling area.

1745: Finished @ Stimson Mill site.

B Shoup 4-19-04

B Shoup — 4-19-04 — Ben Shoup

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK, REPINE, Petrak

1515 To office to complete paperwork. Samples custody sealed and secured in log room.

Remaining samples from 9/14/02 removed from log room, placed under chain of custody and relinquished to CDM sample coordinator.

The following samples collected on 9/13/02 are suspected overloads and will be archived pending analysis of subsequent samples for the identified locations:

SL-00077	SL-00097
SL-00080	SL-00098
SL-00087	SL-00108
SL-00089	SL-00112

Terry Keller will advise lab to archive and alter COC as needed.

Reference FSDS's

A-000080, 81, 82

D-001078, 79, 80, 81, 82, 83

CoCs-3553, 3554

9/17/02

Location STIMSON LUMBER Date 9/18/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK, REPINE, Petrak

ALL SAMPLING WILL BE CONDUCTED IN ACCORDANCE WITH PROPERTY SPECIFIC SAMPLING AND ANALYSIS PLAN, AIR AND DUST SAMPLING FOR STIMSON LUMBER COMPANY, LIBBY ASBESTOS PROJECT, LIBBY, MONTANA, DATED AUG 23, 2002.

0730 To office to retrieve pumps

0745 To Stimson

Will rerun ambient samples in Plywood Plant-Spreader area, and in the log yard near the head gate. The Spreader sample may not collect 4000 L, in an effort to prevent sample filter overload.

0834 Calibrated & started SL-00243

0857 Calibrated & started SL-00244.

0935 Collected SL-00237, composite of two locations in BD-002265, Power House office. Pre & Post calibration.

0945 Collected SL-00238, composite of three locations in Power House. Pre & post calibration.

1015 Collected SL-00239 composite of three locations in the abandoned Lumber Kiln. Pre & post cal.

9/18/02

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK/REPINE [illegible]

and sample overloading on Fri & Sat.
Veronica inquired about sample results, especially Central Maint & Parana will forward request to Dave Schneider.
Agreed to informal close out on Thurs, 9/19.

0950 Stopped SL-00213, checked flow rate, no Δ.
Stopped SL-00214, checked flow rate, no Δ

1000 Calibrated & started SL-00222.
Calibrated & started SL-00223.

1022 Collected SL-00224, composite of two locations in BD-002110, truck barn.
Pre & post calibration.

1030 Collected SL-00225, composite of two locations in BD-002110, truck barn.
Pre & post calibration.

1045 Collected SL-00226, composite of three locations in BD-002111, steel storage.
Pre & post calibration

1103 Collected SL-00227, composite of three locations in BD 002112 Fire Hall.
Pre & post calibration.

1111 Collected SL-00228, composite of two locations in BD-002260, Wagner Shed.
Pre & post calibration

WEATHER: SHOWERS, to PARTLY CLOUDY, COOL [illegible] 9/17/02

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK/REPINE [illegible]

1122 Collected SL-00229, composite of three locations in BD-002261, Electric Motor Shed, Pre & post calibration.

1347 Stopped SL-00215, checked flow rate, no Δ.

1400 WEATHER: Mostly cloudy, cool, occasional slight breeze

1407 Collected SL-00230, composite of three locations in BD-002262, Astrodome.
Pre & post calibration

1420 Collected SL-00231, composite of three locations in BD-002263, Pipe shed.
Pre & post calibration.

1437 Collected SL-00232, composite of three locations in BD-002264, Storage & Locomotive Shed
Pre & post calibration.

1440 Sampling pump cord bumped loose in socket, cutting off power to pump.
Sample stopped at unknown time - Sample will be VOIDED SL-00216.

1453 Stopped SL-00222, checked flow rate, changed to 10.08 lpm.
Stopped SL-00223, checked flow rate, no change.

[illegible] 9/17/02

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK/REPINE [signature]

0820 Collected SL-00218, composite of three locations in BD-002099, Plywood Plant, Plugger Area. Pre & post calibration.

0835 Collected SL-00219, composite of two locations in BD-002099, Plywood Plant, spreaders & finish end. Pre & post calib.

0843 Collected SL-00220, composite of three locations in Plywood Plant, Green Chain, Pre & post calibration.

0850 Collected SL-00221, composite of three locations in Plywood Plant, Dryer Area. Pre & post calibration

0900 Petrak to meeting w/Veronica Bovee and Greg Parana to review project status.

Advised of reruns in debarker cab - with low vol pump - will be a deviation, but unable to collect readable sample at 4000 L.

Advised of rerun in spreader area. Again, will gather minimum 1200 L to ensure readable samples.

Advised rerun personals on Wagner Op and FJ Utility.

map 9/17/02

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK/REPINE [signature]

Reviewed buildings to be dust sampled.

Okayed NO SAMPLE in the following buildings (as labeled on plant dwg)

→ shed near diesel fire pump house

→ outhouse near double-wide trailer

→ portajohns in logyard

→ Bob's Firewood bldgs

→ Truck Port (parking near main office)

→ shed next to Fire Hall

→ Old Wigwam Burner (confined space)

→ Drum Screen

→ Chip Net

→ Blower Room

→ Chip Bins

→ Nursery Bldg (previously sampled)

Chip loads for Plywood & Sawmill should be investigated to determine sampling necessity.

Discussed Bag House function and affect on sample results. The bag house collects fines from the saws & sanders. When bags are too full may be excess particulates in plant. Bags were changed/cleaned on Sunday, 9/15. ~~Ex~~ Nov 9/17/02 This may explain excessive airborne particulate levels

map 9/17/02

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: ~~PETRAK, RIEPINE~~ Petrak

ALL SAMPLING WILL BE CONDUCTED IN ACCORDANCE WITH PROPERTY SPECIFIC SAMPLING AND ANALYSIS PLAN, AIR AND DUST SAMPLING FOR STIMSON LUMBER COMPANY, LIBBY ASBESTOS PROJECT, LIBBY, MONTANA, DATED AUG 23, 2002.

0530 To office to retrieve pumps

0550 To Stimson-Central Maintenance

Two ambient samples (one field sample and one duplicate) will be run in Central Maintenance. The previous run of these samples was affected by welding done nearby during sample collection.

0612 Calibrated & started SL-00213

Calibrated & started SL-00214.

0620 To Plywood Plant

One ambient sample will be collected in the Debarker cab. A sample was previously collected outside the cab, but high dust levels overloaded the sample filter and made it unreadable. The sample will be collected using a low volume pump running at approx

mwf 9/17/02

Location STIMSON LUMBER Date 9/17/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK, R

3 lpm. This deviation from the SAP is intended to prevent sample overload.

0631 Calibrated & started SL-00215

One ambient sample will be collected in the Spreader area. Previous samples were overloaded by high dust levels. Repairs or cleaning of the bag house have reduced dust levels in the plant, hopefully enabling a usable sample to be collected.

0645 Calibrated & started SL-00216.

One ambient sample was scheduled to be collected at an outdoor location in the logyard today. Rain showers this morning have prevented this sample collection. If the weather clears, the sample may be collected later in the day.

0808 Collected SL-00217, composite of three locations in BD-002099, Plywood Plant, break rooms & offices at finish end.

Pre & post calibration

mwf 9/17/02

Location STIMSON LUMBER Date 9/15/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK Melissa A. Petrak

1230	To office to retrieve pumps
1300	To Stimson to collect microvac dust samples.
1330	Collected SL-00169, composite of three locations in BD-002100, logyard break room. Pre & post calibrate.
1345	Collected SL-00170, composite of three locations in BD-~~002102~~ 002101 mp 9/15/02, logyard storage shed. Pre & post calibration
1358	Collected SL-00171, composite of three locations in BD-002102, logyard gasoline shed. Pre & post calibration.
1416	Collected SL-00172, composite of three locations in BD-002103, logyard pump house. Pre & post calibration
1438	Collected SL-00173, composite of three locations in BD-002104, logyard log truck scale shed. Pre & post calibration
1504	Collected SL-00174, composite of three locations in BD-002105, Irrigation building. Pre & post calibration.
1527	Collected SL-00175, composite of three locations in BD-002106, Diesel Fire Pump House. Pre & post calibration.

WEATHER: Sunny, hot, occasional breeze mp 9/15/02

Location STIMSON LUMBER Date 9/15/02

Project / Client STIMSON LUMBER

PES SAMPLING TEAM: PETRAK Melissa A. Petrak

1545	Collected SL-00176, composite of three locations in BD-002107, double wide trailer office. Pre & post calibration
1606	Collected SL-00177, composite of three locations in BD-002108, electrical pump house. Pre & post calibration
1624	Collected SL-00178, composite of three locations in BD-002109, Guard Station at Libby Creek Bridge. Pre & post calibration.
1630	To office to complete paperwork. Samples placed under chain of custody and secured in log room cabinet.

Reference FSDS mp 9/15/02
D-001073, 1074, ~~1075~~, 1076, 1077
CoC's 3701, 3702.

Melissa A. Petrak 9/15/02

Location STIMSON LUMBER Date 9/12/02

Project / Client STIMSON LUMBER

SAMPLING TEAM - PES: PETRAK, REPINE [signature]

1445 Collected SL-00061, microvac dust in center of CM bldg - composite of three 100 cm² locations, 2 min each.

1456 Collected SL-00062, microvac dust at northern end of CM bldg - composite of 3-100 cm² locations, 2 min each.

1504 Stopped SL-00057, checked flow, no Δ.

~~1512 Collected SL-00061~~ map 9/12/02

1504 Started SL-00063, personal on Brown (FJ), after calibration.

1512 Collected SL-00064, microvac dust in CM bldg, supervisor's office and break room, composite of 3-100 cm² areas, 2 min each.

map ~~1520~~ 9/12/02 Pre- and post-calibrate pump to 2.03 lpm for each microvac.

1523 Stopped SL-00054, checked flow rate, changed to 2.18 lpm ~~no Δ~~ map 9/12/02

1524 Stopped SL-00053, checked flow rate, no Δ.

1535 Collected ~~SL-002097~~ map 9/12/02, SL-00065, microvac dust sample in FJ Bldg, former lunchroom (now part storage), composite of 3-100 cm² areas, 2 min each.

1546 Collected SL-00066, FJ bldg microvac dust sample, composite of 3-100 cm² locations, 2 min each. map 9/12/02

Location STIMSON LUMBER Date 9/12/02

Project / Client STIMSON LUMBER

SAMPLING TEAM - PES: PETRAK, REPINE [signature]

Pre- & post-calibrate pump to 2.03 lpm for each microvac.

1604 Stopped SL-00058, checked flow rate, no Δ.

1613 Stopped SL-00063, checked flow rate, changed to 1.88 LPM.

NOTE: Personal samples changed at less than four hours considered at risk for overloading due to visible debris on filter.

Weather: Sunny, hot (low 90's), occasional light breeze

1630 To office to complete paperwork. Lab has advised of several overloaded filters for the past two days - will note and adjust sample time in an effort to reduce additional overloads.

1800 Paperwork complete.

1830 Samples placed under COC's 3627, 3649, 3650, 3651 and relinquished to CDM sample coordinator.

Refer to FSDS J-~~0017~~ map 9/13/02 001070, 1071, 1072

P-000096, 97, 98, 99, 100, 101, 102, 103, 104

[signature] 9/12/02

Location STIMSON LUMBER Date 9/12/02

Project / Client STIMSON LUMBER

SAMPLING TEAM-PES: PETRAK, REPINE [signature] Melissa A. Petrak

NOTE: Water truck running sporadically in logyard today. It only runs when an operator is available, according to Veronica.

1158 Stopped SL-00048, checked flow rate, no Δ.

1200 Stopped SL-00049, checked flow rate, no Δ.

1205 Stopped SL-00052, checked flow rate, no Δ.

1207 Stopped SL-00050, checked flow rate, no Δ.

1207 Started SL-00055, personal on Goyen, after calibration.

1243 Paused SL-00055, check flow rate, no Δ.

1258 Started sample SL-00053 on Johnson, after calibration.

1300 Started sample SL-00054 on Garrison, after calibration.

Johnson & Garrison (CM) took longer lunch than usual to go help with 167' board at FJ.

1315 Re-started SL-00055, after calibration.

1323 Started SL-00056, excursion on Garrison, after calibration.

1327 Stopped ~~SL-002097~~ map 9/12/02 SL-00051, checked flow rate, no Δ.

1327 Started SL-00057, personal on Brown (FJ), after calibration.

map 9/12/02

Location STIMSON LUMBER Date 9/12/02

Project / Client STIMSON LUMBER

SAMPLING TEAM-PES: PETRAK, REPINE [signature] Melissa A. Petrak

1330 Checked in with Veronica.

Advised her of overloaded filter on Goyen - okayed rerun tomorrow.

Advised of welding fumes affecting SL-00023, 24 - okayed rerun next week.

Advised of potential overload on SL-00032. Okayed rerun.

Requested site map and building list to aid in microvac collection planning.

Asked permission to collect microvacs on Sunday, she okayed it.

1358 Stopped SL-00056, checked flow rate, no Δ.

1415 Stopped SL-00055, checked flow rate, no Δ.

1415 Calibrated & started SL-00058, personal on Goyen (Wagner).

1426 Collected microvac dust sample in CM Machine Shop - composite of 3-100 cm² locations, each for 2 min. SL-00059

1435 Collected SL-00060, microvac dust in CM Bldg, South end - composite of 3-100 cm² locations, 2 min each.

map 9/12/02

Location 875 Hwy 2 S. Date 5/2/02

Project / Client Stimson Lumber / CDM / VOLPE

PES - Greg Parana Jim Henderson

1300 Arrived on site for Phase I Sampling. Partly cloudy, windy, 50°F. Upon arrival we met with Richard Skinner who drove us to the former nursery site for St. Regis, where the shed to be sampled was located. Richard is the Central Services Mgr. We sampled the concrete floor, starting from walls, all wood, debris removed, all inside the building. Reference FSDS # D001029, 001028, COC # 002519.

1306 1-06850 collected

1307 1-06857

Blanks 1-06849, 1-06858

James Henderson 5/2/02

Location 251 Cedar Meadow Rd. Date 5/16/02

Project / Client EPA / VOLPE / CDM

PES - James Henderson

1000 Arrive on site for Phase I Sampling of Little League Baseball equipment at the direction of EPA. Sunny 55°F.

100 1-06851 collected

Reference FSDS # D001023

I met with Dave Benfield owner of property at 251 Cedar Meadow Rd. one of the coaches for Little League who stores the equipment at his residence.

Reference COC # 002530

Blank 1-06852, 1-06853

and entry on page 85.

Samples relinquished to CDM sample coordinator at 1430 - 404 Hwy 2 W

James Henderson 5/16/02

Sheet No.: D- 000221

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 42 Sampling Date: 4-30-04

Address: 875 Hwy 2 S Owner/Tenant: Stimson

Business Name: Stimson Maintenance

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: B. Shoup

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	4-30-04 BS 1D- 01791	BS 4-30-04 1D- 01792	
Location ID	BD-002098		
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House Other Building	Garage, House, Shed, Pump House Other Blank	Garage, House, Shed, Pump House Other
Location Description (circle) (Detailed description point within the location)	Basement, Ground Floor, Second Level Other	Basement, Ground Floor, Second Level Other NA	Basement, Ground Floor, Second Level Other
Matrix Type (circle)	Horizontal Surfaces High Traffic Areas Other	Horizontal Surfaces High Traffic Areas Other NA	Horizontal Surfaces High Traffic Areas Other
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 300 NA	100 200 300 NA	100 200 300 NA
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA
Pump ID No.	612729		
Flow Meter ID No.	B-1610, S-1521		
Start Time	1321 1323 1325		
Start Flow (L/min)	2.0 → →		
Stop Time	1323 1325 1327		
Stop Flow (L/min)	2.0 → →		
Pump Fault? (circle)	No Yes	No Yes	No Yes
Field Comments	100 cm^2 - floor at S end 100 cm^2 - floor at N end 100 cm^2 - center floor Room 19-1	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2
Cassette Lot Number: 23802	Archive Blank (circle): Yes No	5/3/04 B.S. Archive Blank (circle): Yes No 5/3/04	Archive Blank (circle): Yes No
Entered (LFO)	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by

vs 101503

Sheet No.: D- 000220

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 42 Sampling Date: 4-30-04

ddress: 875 Hwy 2 S Owner/Tenant: Stimson

Business Name: Stimson Maintenance

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: A. Shoup

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	BS 4-30-04 1D- 01760	BS 4-30-04 1D- 01789	1D- 01790
Location ID	BD-002098		
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House Other Building	Garage, House, Shed, Pump House Other Building	Garage, House, Shed, Pump House Other Building
Location Description (circle) (Detailed description point within the location)	Basement, Ground Floor, Second Level Other _____	Basement, Ground Floor, Second Level Other _____	Basement, Ground Floor, Second Level Other _____
Matrix Type (circle)	Horizontal Surfaces, High Traffic Areas Other _____	Horizontal Surfaces, High Traffic Areas Other _____	Horizontal Surfaces, High Traffic Areas Other _____
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 300 NA	100 200 300 NA	100 200 300 NA
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA
Pump ID No.	612729		
Flow Meter ID No.	B-1610, S-1521		
Start Time	1603 1605 1607	1615 1617 1619	1628 1630 1632
Start Flow (L/min)	2.0	2.0	2.0
Stop Time	1605 1607 1609	1617 1619 1621	1630 1632 1634
Stop Flow (L/min)	2.0	2.0	2.0
Pump Fault? (circle)	No Yes	No Yes	No Yes
Field Comments Cassette Lot Number: 23802	100 cm^2 - center of floor in room 17-3 100 cm^2 - entry floor in 17-2 100 cm^2 - top of key box in 17-2. Rooms 17-3 and 17-2 Archive Blank (circle): Yes No	100 cm^2 - SE corner of floor 100 cm^2 - NW corner of floor 100 cm^2 - Middle of floor Room 17-4 Archive Blank (circle): Yes No	100 cm^2 - center of floor 100 cm^2 - shelf along W wall 100 cm^2 - shelf along E wall Room 17-1 Archive Blank (circle): Yes No
Entered (LFO) HPJO	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by

vs 101503

Sheet No.: D- 000219

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 42 Sampling Date: 4-30-04

ddress: 875 Hwy 2 S (Owner/Tenant: Stimson

Business Name: Stimson Maintenance

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: B. Sharp

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1D- 01757	BS 4-30-04 1D- 01758	1D- 01759
Location ID	BD-002098		
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House (Other) Building	Garage, House, Shed, Pump House Other	Garage, House, Shed, Pump House Other
Location Description (circle) (Detailed description point within the location)	Basement, Ground Floor, (Second Level) Other	Basement, (Ground Floor), Second Level Other	Basement, (Ground Floor), Second Level Other
Matrix Type (circle)	(Horizontal Surfaces) (High Traffic Areas) Other	(Horizontal Surfaces) (High Traffic Areas) Other	(Horizontal Surfaces) (High Traffic Areas) Other
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 (300) NA	100 200 (300) NA	100 200 (300) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA
Pump ID No.	612729		
Flow Meter ID No.	B-1610, S-1521		
Start Time	1514 1516 1518	1521 1523 1525	1550 1552 1554
Start Flow (L/min)	2.0		
Stop Time	1516 1518 1520	1523 1525 1527	1552 1554 1556
Stop Flow (L/min)	2.0		
Pump Fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments Cassette Lot Number: 23802	100 cm^2 - floor at top of steps 100 cm^2 - top of paper towel dispenser 100 cm^2 - back of toilet Room 8C (women's bathroom) Archive Blank (circle): Yes (No)	100 cm^2 - N section floor 100 cm^2 - Center of room on floor 100 cm^2 - Workbench in S section Room 13-1 Archive Blank (circle): Yes (No)	100 cm^2 - floor in Room 18-1 100 cm^2 - SW section floor in 16-1 100 cm^2 - Center of main floor in room 16-1. Rooms 16-1 and 18-1 Archive Blank (circle): Yes (No)
Entered (LFO) HP	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by

vs 101503

Sheet No.: D- 000218

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 42 Sampling Date: 4-30-04

ddress: 875 Hwy 2 S Owner/Tenant: Stimson

Business Name: Stimson Maintenance

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: B. Shoup

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	4-30-04 BS 1D- 01754	4-30-04 BS 1D- 01755	BS 4-30-04 1D- 01756
Location ID	BD-002098		
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House Other Building	Garage, House, Shed, Pump House Other	Garage, House, Shed, Pump House Other
Location Description (circle) (Detailed description point within the location)	Basement, Ground Floor, Second Level Other	Basement, Ground Floor, Second Level Other	Basement, Ground Floor, Second Level Other
Matrix Type (circle)	Horizontal Surfaces High Traffic Areas Other	Horizontal Surfaces High Traffic Areas Other	Horizontal Surfaces High Traffic Areas Other
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 300 NA	100 200 300 NA	100 200 300 NA
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA
Pump ID No.	612729		
Flow Meter ID No.	B-1610, S-1521		
Start Time	1423 1425 1427	1449 1451 1453	1500 1502 1504
Start Flow (L/min)	2.0		
Stop Time	1425 1427 1429	1451 1453 1455	1502 1504 1506
Stop Flow (L/min)	2.0		
Pump Fault? (circle)	No Yes	No Yes	No Yes
Field Comments Cassette Lot Number: 23802	100 cm^2 - floor in Room 10-3 100 cm^2 - Desk in Room 12-5 100 cm^2 - Floor in Room 10-5 Rooms 10-3, 10-4, 11-3, 12-5, 10-5 Archive Blank (circle): Yes No	100 cm^2 - floor in room 8A 100 cm^2 - floor at top of steps in 8B 100 cm^2 - Storage Shelf in 8B Rooms 8A and 8B Archive Blank (circle): Yes No	100 cm^2 - floor in 10A, 100 cm^2 - floor in 10C 100 cm^2 - Storage Shelf in 10D Rooms 10A, 10B, 10C, 10D Archive Blank (circle): Yes No
Entered (LFO)	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by

vs 101503

Sheet No.: D- 000217

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 42 Sampling Date: 4-30-04

Address: 875 Hwy 2 S (Owner/Tenant: Stimson

Business Name: Stimson Maintenance

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: B. Shoup

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	BS 4-30-04 1D- 01751	BS 4-30-04 1D- 01752	BS 4-30-04 1D- 01753
Location ID	BD-002098		
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House (Other) Building	Garage, House, Shed, Pump House Other	Garage, House, Shed, Pump House Other
Location Description (circle) (Detailed description point within the location)	Basement, (Ground Floor), Second Level Other	Basement, (Ground Floor), Second Level Other	Basement, (Ground Floor), Second Level Other
Matrix Type (circle)	(Horizontal Surfaces), (High Traffic Areas) Other	(Horizontal Surfaces), (High Traffic Areas) Other	(Horizontal Surfaces), (High Traffic Areas) Other
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 (300) NA	100 200 (300) NA	100 200 (300) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM-.45) PCM-0.8	(TEM-.45) PCM-0.8	(TEM-.45) PCM-0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA
Pump ID No.	612729		
Flow Meter ID No.	B-1610, S-1521		
Start Time	1400 1402 1404	1408 1410 1412	1415 1417 1419
Start Flow (L/min)	2.0	2.0	2.0
Stop Time	1402 1404 1406	1410 1412 1414	1417 1419 1421
Stop Flow (L/min)	2.0	2.0	2.0
Pump Fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments Cassette Lot Number: 23802	100 cm^2 - N shelf 100 cm^2 - S shelf 100 cm^2 - center of floor Room 7-3 Archive Blank (circle): Yes (No)	100 cm^2 - floor of room 8-4 100 cm^2 - S-shelf in room 8-4 100 cm^2 - center floor in room 8-5 Rooms 8-4 and 8-5 Archive Blank (circle): Yes (No)	100 cm^2 - W shelf in room 9-3 100 cm^2 - floor in room 9-3 100 cm^2 - floor in room 10-2 Rooms 9-3 and 10-2 Archive Blank (circle): Yes (No)
Entered (LFO)	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by

vs 101503

Sheet No.: D- 000216

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 42 Sampling Date: 4-30-04

Address: 875 Hwy 2 S (Owner) Tenant: Stimson

Business Name: Stimson Maintenance

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: B. Shoup

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	4-30-04 BS 1D- 01747	4-30-04 BS 1D- 01749	4-30-04 BS 1D- 01750
Location ID	BD-002098 →		→
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House (Other) Building →	Garage, House, Shed, Pump House Other →	Garage, House, Shed, Pump House Other →
Location Description (circle) (Detailed description point within the location)	Basement, (Ground Floor) Second Level Other	Basement, (Ground Floor) Second Level Other	Basement, (Ground Floor) Second Level Other
Matrix Type (circle)	(Horizontal Surfaces) High Traffic Areas Other	(Horizontal Surfaces) High Traffic Areas Other	(Horizontal Surfaces) High Traffic Areas Other
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)
Sample Area (cm²) (circle)	100 200 (300) NA	100 200 (300) NA	100 200 (300) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA
Pump ID No.	612729 →		→
Flow Meter ID No.	B-1610, S-1521 →		→
Start Time	1331 1333 1335	1341 1343 1345	1350 1352 1354
Start Flow (L/min)	2.0 →	2.0 →	2.0 →
Stop Time	1333 1335 1337	1343 1345 1347	1352 1354 1356
Stop Flow (L/min)	2.0 →	2.0 →	2.0 →
Pump Fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm² - Shelf on S wall 100 cm² - Center of floor 100 cm² - Shelf on E wall Room 2-1	100 cm² - Central floor on carpeting 100 cm² - floor of room 5-1 100 cm² - floor of room 5-5 Rooms 5-1 thru 5-7	100 cm² - Shelf on E wall 100 cm² - central floor 100 cm² - floor at w-end. Room 7-2
Cassette Lot Number: 23802	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)
Entered (LFO) MP, JD	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by

vs 101503

Sheet No.: D- 000204

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 29 Sampling Date: 4-19-04

Address: ~~Stimson Mill~~ 815 Highway 2S Owner/Tenant: Stimson Lumber

Business Name:

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: B. Shoup, P. Opem

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	BS 4-19-04 1D- 01721	BS 4-19-04 1D- 01722	BS 4-19-04 1D- 01723
Location ID	BD-002097 →	→	→
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House Other ~~NA~~ Blank 4/20/04 PS	Garage, House, Shed, Pump House Other Building	Garage, House, Shed, Pump House Other Building
Location Description (circle) (Detailed description point within the location)	Basement, Ground Floor, Second Level Other NA	Basement, Ground Floor, Second Level Other	Basement, Ground Floor, Second Level Other
Matrix Type (circle)	Horizontal Surfaces High Traffic Areas Other NA	Horizontal Surfaces High Traffic Areas Other	Horizontal Surfaces High Traffic Areas Other
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 300 NA	100 200 300 NA	100 200 300 NA
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA
Pump ID No.		626676 →	→
Flow Meter ID No.		B-1610, S-1521 →	→
Start Time		1630 1632 1634	1639 1641 1643
Start Flow (L/min)		2.0 →	→
Stop Time		1632 1634 1636	1641 1643 1645
Stop Flow (L/min)		2.0 →	→
Pump Fault? (circle)	No Yes	No Yes	No Yes
Field Comments	100 cm^2 4-19-04	100 cm^2 entryway floor	100 cm^2 N entryway floor
Cassette Lot Number: 23802	100 cm^2	100 cm^2 Shelving - W wall	100 cm^2 shelving - S wall
	100 cm^2	100 cm^2 flooring - central Room 4-1	100 cm^2 flooring - central Room 1-1
	Archive Blank (circle): Yes No 4-20-04	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
Entered (LFO)	Volpe: Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

For Field Team Completion (Provide Initials)	Completed by BS	QC by PO

vs 101503

Sheet No.: D- 000203

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 29 Sampling Date: 4-19-04

Address: ~~Stimson Mill~~ 875 Highway 25 Owner/Tenant: Stimson Lumber

siness Name: 04/20/04

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: B. Sharp, R. Opem

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1D- 01718 BS 4-19-04	1D- 01719 BS 4-19-04	1D- 01720 BS 4-19-04
Location ID	BO-002097		
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House (Other) Building	Garage, House, Shed, Pump House (Other) Building	Garage, House, Shed, Pump House (Other) Building
Location Description (circle) (Detailed description point within the location)	Basement, (Ground Floor), Second Level Other	Basement, (Ground Floor), Second Level Other	Basement, (Ground Floor), Second Level Other
Matrix Type (circle)	(Horizontal Surfaces) High Traffic Areas Other	(Horizontal Surfaces) High Traffic Areas Other	(Horizontal Surfaces) High Traffic Areas Other
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)
ample Area (cm^2) (circle)	100 200 (300) NA	100 200 (300) NA	100 200 (300) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA
Pump ID No.	626676		
Flow Meter ID No.	B-1610, S-1521		
Start Time	1512 1514 1516	1520 1522 1524	1529 1531 1533
Start Flow (L/min)	2.0		
Stop Time	1514 1516 1518	1522 1524 1526	1531 1533 1535
Stop Flow (L/min)	2.0		
Pump Fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm^2 entryway floor 100 cm^2 top of table - E 100 cm^2 shelving - W Room 11-1	100 cm^2 entryway floor 100 cm^2 shelf - W 100 cm^2 shelf - N Rooms 7-1, 8-1	100 cm^2 entryway floor 100 cm^2 flooring - central 100 cm^2 shelf - S Rooms 6-1 to 6-4
Cassette Lot Number: 23802	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)
ered (LFO) JD	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by PD

vs 101503

Sheet No.: D- 000202

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR DUST

Field Logbook No: 100329 Page No: 29 Sampling Date: 4-19-04

Address: ~~Stimson Mill~~ 875 Highway 2 S Owner/Tenant: Stimson Lumber

Business Name: JB 4/20/04

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: B. Shoup, P. Open

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1D- 01715 BS 4-19-04	1D- 01716 BS 4-19-04	1D- 01717 BS 4-19-04
Location ID	BD-002097 →	→	→
Sample Group (circle) (Subgroup of the property)	Garage, House, Shed, Pump House (Other) Building	Garage, House, Shed, Pump House (Other) Building	Garage, House, Shed, Pump House (Other) Building
Location Description (circle) (Detailed description point within the location)	Basement, (Ground Floor), Second Level Other_____	Basement, (Ground Floor), Second Level Other_____	Basement, (Ground Floor), Second Level Other_____
Matrix Type (circle)	(Horizontal Surfaces), High Traffic Areas, Other_____	(Horizontal Surfaces), High Traffic Areas, Other_____	(Horizontal Surfaces), High Traffic Areas, Other_____
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)
Sample Area (cm^2) (circle)	100 200 (300) NA	100 200 (300) NA	100 200 (300) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA
Pump ID No.	626676 →	→	→
Flow Meter ID No.	B-1610, S-1521 →	→	→
Start Time	1445 1447 1449	1453 1455 1457	1503 1505 1507
Start Flow (L/min)	2.0 →	→	→
Stop Time	1447 1449 1451	1455 1457 1459	1505 1507 1509
Stop Flow (L/min)	2.0 →	→	→
Pump Fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm^2 - south shelf 100 cm^2 - west shelf 100 cm^2 - center of floor Room 12-4 Archive Blank (circle): Yes (No)	100 cm^2 - East shelf 100 cm^2 - West shelf 100 cm^2 - floor Room 12-3 Archive Blank (circle): Yes (No)	100 cm^2 - entry floor 100 cm^2 - North Shelf 100 cm^2 - North Shelf Room 12-2 Archive Blank (circle): Yes (No)
Cassette Lot Number: 23802			
Entered (LFO) JB	Volpe: Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by PD

vs 101503

Sheet No.: D- 001085

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 57 Sampling Date: 9/18/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1			Cassette 2			Cassette 3		
Index ID	SL- 00240			SL- 00241			SL- 00242		
Location ID	BD- 002268			BD- 002269			BD- 002269		
Sample Group	BUILDING			BUILDING			BUILDING		
Location Description	SHED 12			STIMSON OFFICE 1ST FLOOR			STIMSON OFFICE 2ND FLOOR		
Category (circle)	(FS) Blank			(FS) Blank			(FS) Blank		
Matrix Type (circle)	(Building), Vehicle, NA Other _____			(Building), Vehicle, NA Other _____			(Building), Vehicle, NA Other _____		
Vermiculite Present? (circle)	Yes (No)			Yes (No)			Yes (No)		
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)			Yes (No)			Yes (No)		
Sample Area (cm²) (circle)	100 200 (300)			100 200 (300)			100 200 (300)		
Filter Diameter (circle)	(25mm) 37mm			(25mm) 37mm			(25mm) 37mm		
Pore Size (circle)	(TEM- .45) PCM- 0.8			(TEM- .45) PCM- 0.8			(TEM- .45) PCM- 0.8		
Flow Meter Type (circle)	(Rotometer) Dry-Cal			(Rotometer) Dry-Cal			(Rotometer) Dry-Cal		
Pump ID Number	6226509			6226509			6226509		
Flow Meter ID No	34719			34719			9/18/02 ~~341~~ 34719		
Start Date	9/18/02			9/18/02			9/18/02		
Start Time	1036	1038	1042	1110	1112	1114	1121	1123	1125
Start Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Stop Date	9/18/02			9/18/02			9/18/02		
Stop Time	1038	1040	1044	1112	1114	1116	1123	1125	1127
Stop Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Pump Fault? (circle)	(No)			(No)			(No)		
Field Comments	100 cm² Floor at north entrance 100 cm² Horizontal beam on wall 100 cm² Floor at top of ramp to FJ			100 cm² Floor at back entrance (tile & mat) 100 cm² Floor mat at front entrace 100 cm² Top of stairs to conference rm (on tile)			100 cm² Floor at back entrance - tile 100 cm² Floor in front of mens room tile 100 cm² Top of refrigerator		
	Entered ___ Validated ___			Entered ___ Validated ___			Entered ___ Validated ___		

vs 022002

√jp 10/4/02

Sheet No.: D- 001084

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 160117 Page No: 57 Sampling Date: 9/18/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1			Cassette 2			Cassette 3		
Index ID	SL- 00237			SL- 00238			SL- 00239		
Location ID	BD- 002265			BD- 002266			BD- 002267		
Sample Group	BUILDING			BUILDING					
Location Description	POWER ~~PLANT~~ OFFICE HOUSE wmp 9/18/02			POWER ~~PLANT~~ HOUSE 9/18/02 wmp			~~KILNS~~ wmp 9/18/02 LUMBER KILNS		
Category (circle)	(FS) Blank			(FS) Blank			(FS) Blank		
Matrix Type (circle)	(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____		
Vermiculite Present? (circle)	Yes (No)			Yes (No)			Yes (No)		
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)			Yes (No)			Yes (No)		
Sample Area (cm^2) (circle)	100 (200) 300			100 200 (300)			100 200 (300)		
Filter Diameter (circle)	(25mm) 37mm			(25mm) 37mm			(25mm) 37mm		
Pore Size (circle)	(TEM- .45) PCM- 0.8			(TEM- .45) PCM- 0.8			(TEM- .45) PCM- 0.8		
Flow Meter Type (circle)	(Rotometer) Dry-Cal			(Rotometer) Dry-Cal			(Rotometer) Dry-Cal		
Pump ID Number	626509			626509			626509		
Flow Meter ID No.	34719			34719			34719		
Start Date	9/18/02			9/18/02			9/18/02		
Start Time	0935	0937	~~9/18/02~~	0945	0947	0949	1015	1020	1027
Start Flow (L/min)	2.03	2.03		2.03	2.03	2.03	2.03	2.03	2.03
Stop Date	9/18/02			9/18/02			9/18/02		
Stop Time	0937	0939	~~9/18/02~~	0947	0949	0951	1017	1022	1029
Stop Flow (L/min)	2.03	2.03		2.03	2.03	2.03	2.03	2.03	2.03
Pump fault? (circle)	(No) Yes			(No) Yes			(No)		
Field Comments	100 cm^2 Floor in front of door 100 cm^2 Top of refrigerator 100 cm^2			100 cm^2 Floor in front of door near office 100 cm^2 Floor in front of door near ~~water~~ diesel tanks wmp 9/18/02 100 cm^2 Horizontal beam in garage			100 cm^2 Floor of stood at first bay 100 cm^2 Floor in center of bay #15 100 cm^2 Floor in center of tunnel on north side		
	Entered ___ Validated ___			Entered ___ Validated ___			Entered ___ Validated ___		

vs 022002

Sheet No.: D- 001083

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 50-56 Sampling Date: 9/17/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: PES CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00233	SL- 00234	
Location ID	NA map 9/17/02	NA map 9/17/02	
Sample Group	BLANK	BLANK	
Location Description	NA map 9/17/02	NA map 9/17/02	
Category (circle)	FS Blank	FS Blank	FS Blank
Matrix Type (circle)	Building, Vehicle, NA Other _____	Building, Vehicle, NA Other _____	Building, Vehicle, NA Other _____
Vermiculite Present? (circle)	Yes No	Yes No	Yes No
Will samples be archived due to presence of vermiculite? (circle)	Yes No map 9/17/02	Yes No map 9/17/02	Yes No
Sample Area (cm^2) (circle)	100 200 300	100 200 300	100 200 300
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal	Rotometer Dry-Cal	Rotometer Dry-Cal
Pump ID Number			
Flow Meter ID No.			
Start Date			
Start Time			
Start Flow (L/min)			
Stop Date			
Stop Time			
Stop Flow (L/min)			
Pump fault? (circle)	No Yes	No Yes	No Yes
Field Comments	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Melissa A. Petrak 9/17/02

Melissa A. Petrak 9/17/02

Melissa A. Petrak 9/17/02

vs 022002

JMD 10/4/02

Sheet No.: D- 001082

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 50-56 Sampling Date: 9/17/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: PES CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00231	SL- 00232	
Location ID	BD- 002263	BD- 002264	
Sample Group	BUILDING	BUILDING	
Location Description	PIPE SHED	STORAGE SHED & LOCOMOTIVE SHED	
Category (circle)	FS Blank	FS Blank	FS Blank
Matrix Type (circle)	Building, Vehicle, NA Other _____	Building, Vehicle, NA Other _____	Building, Vehicle, NA Other _____
Vermiculite Present? (circle)	Yes No	Yes No	Yes No
Will samples be archived due to presence of vermiculite? (circle)	Yes No	Yes No	Yes No
Sample Area (cm²) (circle)	100 200 300	100 200 300	100 200 300
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal	Rotometer Dry-Cal	Rotometer Dry-Cal
Pump ID Number	626566	626566	
Flow Meter ID No.	34719	34719	
Start Date	9/17/02	9/17/02	
Start Time	1420 1422 1424	1437 1439 1441	
Start Flow (L/min)	2.03 2.03 2.03	2.03 2.03 2.03	
Stop Date	9/17/02	9/17/02	
Stop Time	1422 1424 1426	1439 1441 1443	
Stop Flow (L/min)	2.03 2.03 2.03	2.03 2.03 2.03	
Pump fault? (circle)	No Yes	No Yes	No Yes
Field Comments	100 cm² Floor in front of door 100 cm² Top of workbench 100 cm² Top of storage shelf	100 cm² Floor at center doorway 100 cm² Top of storage bin 100 cm² Between train track rails	100 cm² 100 cm² 100 cm²
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Quantity Scale 9/17/02

vs 022002

JD 10/4/02

Sheet No.: D- 001081

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 50-56 Sampling Date: 9/17/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: SIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1			Cassette 2			Cassette 3		
Index ID	SL- 00228			SL- 00229			SL- 00230		
Location ID	BD- 002260			BD- 002261			BD- 002262		
Sample Group	BUILDING			BUILDING			BUILDING		
Location Description	WAGNER SHED			ELECTRIC MOTOR SHED			ASTRODOME		
Category (circle)	(FS)	Blank		(FS)	Blank		(FS)	Blank	
Matrix Type (circle)	(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____		
Vermiculite Present? (circle)	Yes	(No)		Yes	(No)		Yes	(No)	
Will samples be archived due to absence of vermiculite? (circle)	Yes	(No)		Yes	(No)		Yes	(No)	
Sample Area (cm²) (circle)	100	(200)	300	100	200	(300)	100	200	(300)
Filter Diameter (circle)	(25mm)	37mm		(25mm)	37mm		(25mm)	37mm	
Pore Size (circle)	(TEM- .45)	PCM- 0.8		(TEM- .45)	PCM- 0.8		(TEM- .45)	PCM- 0.8	
Flow Meter Type (circle)	(Rotometer)	Dry-Cal		(Rotometer)	Dry-Cal		(Rotometer)	Dry-Cal	
Pump ID Number	6260566			6260566			6260566		
Flow Meter ID No.	34719			34719			34719		
Start Date	9/17/02			9/17/02			9/17/02		
Start Time	1111	1113	~~Yp 10/4/02~~	1122	1124	1126	1407	1409	1411
Start Flow (L/min)	2.03	2.03		2.03	2.03	2.03	2.03	2.03	2.03
Stop Date	9/17/02			9/17/02			9/17/02		
Stop Time	1113	1115	~~Yp 10/4/02~~	1124	1126	1128	1409	1411	1413
Stop Flow (L/min)	2.03	2.03		2.03	2.03	2.03	2.03	2.03	2.03
Pump fault? (circle)		(No)	Yes	~~2.03~~	(No)	Yes		(No)	Yes
Field Comments	100 cm² Horizontal beam on side wall 100 cm² Shelf on rear wall 100 cm²			100 cm² Floor at overhead door entrance 100 cm² on storage shelf 100 cm² 2nd floor-at entrance to storage area			100 cm² Horizontal beam on long wall 100 cm² Floor near exposed corner 100 cm² Horizontal base beam on short wall		
	Entered ___ Validated ___			Entered ___ Validated ___			Entered ___ Validated ___		

vs 022002

√ Yp 10/4/02

Sheet No.: D- 001080

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 50-56 Sampling Date: 9/17/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00225	SL- 00226	SL- 00227
Location ID	BD-002110	BD- 002111	BD- 002112
Sample Group	BUILDING	BUILDING	BUILDING
Location Description	Truck barn, south end of bldg	STEEL STORAGE	FIRE HALL
Category (circle)	(FS) Blank	(FS) Blank	(FS) Blank
Matrix Type (circle)	(Building) Vehicle, NA Other _____	(Building) Vehicle, NA Other _____	(Building) Vehicle. NA Other _____
Vermiculite Present? (circle)	(Yes) No	Yes (No)	Yes (No)
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)	Yes (No)	Yes (No)
Sample Area (cm²) (circle)	100 (200) 300	100 200 (300)	100 200 (300)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM-.45) PCM- 0.8	(TEM-.45) PCM- 0.8	(TEM-.45) PCM- 0.8
Flow Meter Type (circle)	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal
Pump ID Number	6265666	6265666	6265666
Flow Meter ID No.	34719	34719	34719
Start Date	9/17/02	9/17/02	9/17/02
Start Time	1030 / 1032 / ~~10/4/02~~	1045 / 1047 / 1049	1103 / 1105 / 1107
Start Flow (L/min)	2.03 / 2.03 /	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Stop Date	9/17/02	9/17/02	9/17/02
Stop Time	1032 / 1034 / ~~10/4/02~~	1047 / 1049 / 1051	1105 / 1107 / 1109
Stop Flow (L/min)	2.03 / 2.03 /	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Pump fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm² Horizontal beam on dividing wall 100 cm² Door jamb floor 100 cm²	100 cm² Concrete floor 100 cm² Horizontal beam on dividing wall 100 cm² Pipe stored in shed	100 cm² Floor at vehicle entrance 100 cm² Top of workbench 100 cm² 3rd step up on stairs to 2nd floor
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 022002

10/4/02

FIELD COMMENTS FROM FSOS # 0-001079

INDEX ID #

SL - 00220 100 cm² - FLOOR ALONG CENTER CHAIN, PLANT SIDE

100 cm² - FLOOR OUTSIDE LUNCH / SMOKING AREA

100 cm² - FLOOR NEAR LATHE

SL-00221 100 cm² - FLOOR NEAR ENTRANCE / BREAK RM / REST RMS

100 cm² - FLOOR NEAR FEEDER FOR LITTLE DRYER

100 cm² - FLOOR AT OFF BEARER END, UNDER BELT

SL-00224 100 cm² - FLOOR NEAR ENTRANCE

100 cm² - TOP OF WORK BENCH / STORAGE BOX

100 cm² - FLOOR TOWARDS REAR OF BLDG.

Sheet No.: D- 001079

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 50-56 Sampling Date: 9/17/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1			Cassette 2			Cassette 3		
Index ID	SL- 00220			SL- 00221			SL- 00224		
Location ID	BD-002099			BD-002099			BD- 002110		
Sample Group	BUILDING			BUILDING			BUILDING		
Location Description	Green chain			Dryer area			Truck barn, north side		
Category (circle)	(FS) Blank			(FS) Blank			(FS) Blank		
Matrix Type (circle)	(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____		
Vermiculite Present? (circle)	(Yes) No			(Yes) No			(Yes) No		
Will samples be archived due to absence of vermiculite? (circle)	Yes (No)			Yes (No)			Yes (No)		
Sample Area (cm²) (circle)	100 200 (300)			100 200 (300)			100 ~~200~~ 300		
Filter Diameter (circle)	(25mm) 37mm			(25mm) 37mm			(25mm) 37mm		
Pore Size (circle)	(TEM-.45) PCM- 0.8			(TEM-.45) PCM- 0.8			(TEM-.45) PCM- 0.8		
Flow Meter Type (circle)	(Rotometer) Dry-Cal			(Rotometer) Dry-Cal			(Rotometer) Dry-Cal		
Pump ID Number	6266566			6266566			6266566		
Flow Meter ID No.	34719			34719			34719		
Start Date	9/17/02			9/17/02			9/17/02		
Start Time	0843	0845	0847	0850	0852	0854	1022	1024	1026
Start Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Stop Date	9/17/02			9/17/02			9/17/02		
Stop Time	0845	0847	0849	0852	0854	0856	1024	1026	1028
Stop Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Pump fault? (circle)	(No) Yes			(No) Yes			(No) Yes		
Field Comments	100 cm² Floor along center of drain, plant side 100 cm² Floor outside lunch/smoking area 100 cm² Floor near lathe			100 cm² Floor near entrance/breakrm/restrms 100 cm² Floor near feeder for little dryer 100 cm² Floor at offbearer end, under belt			100 cm² Floor near entrance 100 cm² Top of workbench/storage box 100 cm² Floor ~~top~~ towards rear of bldg 9/18/02		
	Entered ___ Validated ___			Entered ___ Validated ___			Entered ___ Validated ___		

vs 022002

VVL 10/4/02

Sheet No.: D- 001078

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 50-56 Sampling Date: 9/17/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00217	SL- 00218	SL- 00219
Location ID	BD-~~002098~~ 002097	BD-~~002098~~ 002099	BD-~~002098~~ 002098
Sample Group	BUILDING	BUILDING	BUILDING
Location Description	Plywood Plant Break rooms & offices at finish end	Plywood Plant, Plugger area	Plywood Plant, spreaders and finish end
Category (circle)	(FS) Blank	(FS) Blank	(FS) Blank
Matrix Type (circle)	(Building) Vehicle, NA Other _____	(Building) Vehicle, NA Other _____	(Building) Vehicle, NA Other _____
Vermiculite Present? (circle)	(Yes) No	(Yes) No	(Yes) No
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)	Yes (No)	Yes (No)
Sample Area (cm²) (circle)	100 200 (300)	100 200 (300)	100 (200) ~~300~~
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal
Pump ID Number	6265566	6265566	6265566
Flow Meter ID No.	34719	34719	34719
Start Date	9/17/02	9/17/02	9/17/02
Start Time	0808 0810 ~~0812~~	0820 0822 0824	0835 0837 ~~0839~~
Start Flow (L/min)	2.03 2.03 2.03	2.03 2.03 2.03	2.03 2.03 ~~2.03~~
Stop Date	9/17/02	9/17/02	9/17/02
Stop Time	0810 0812 0814	0822 0824 0826	0837 0839 ~~0841~~
Stop Flow (L/min)	2.03 2.03 2.03	2.03 2.03 2.03	2.03 2.03 ~~2.03~~
Pump fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm² Break room, floor near door to plant 100 cm² 2nd fl, shift supervisors office, floor near entrance 100 cm² Floor near entrance to plant, NW corner	100 cm² Floor near Plugger #1 100 cm² Floor near Plugger #9, storage side 100 cm² Floor near turntable	100 cm² Floor near spreaders 100 cm² Floor near ~~100 cm²~~ Cassette loaded - only 200 cm² sampled
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 022002

Jth 9/20/02

Sheet No.: D- 001077

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 42-43 Sampling Date: 9/15/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00178	SL- 00179	SL- 00180
Location ID	BD- 002109	mop 9/15/02	mop 9/15/02
Sample Group	BUILDING	BLANK	BLANK
Location Description	GUARD STATION AT LIBBY CREEK BRIDGE- NORTH GATE	mop 9/15/02	mop 9/15/02
Category (circle)	(FS) Blank	FS (Blank)	FS (Blank)
Matrix Type (circle)	(Building) Vehicle. NA Other _____	Building, Vehicle, (NA) Other _____	Building, Vehicle (NA) Other _____
Vermiculite Present? (circle)	Yes (No)	Yes No	Yes No
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)	Yes No mop 9/15/02	Yes No mop 9/15/02
Sample Area (cm²) (circle)	100 200 (300)	100 200 300	100 200 300
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM-.45) PCM- 0.8	(TEM-.45) PCM- 0.8
Flow Meter Type (circle)	(Rotometer) Dry-Cal	Rotometer Dry-Cal	Rotometer Dry-Cal
Pump ID Number	6266666		
Flow Meter ID No.	34719		
Start Date	9/15/02		
Start Time	1424 1426 1428 ~~1424 1426 1428~~ mop 9/15/02		
Start Flow (L/min)	2.03 2.03 2.03		
Stop Date	9/15/02		
Stop Time	1626 1628 1630 ~~1426 1428 1430~~ mop 9/15/02		
Stop Flow (L/min)	2.03 2.03 2.03		
Pump fault? (circle)	(No) Yes		No Yes
Field Comments	100 cm² Entrance floor 100 cm² Floor at counter to left of door (looking in) 100 cm² Counter top to right of door	100 cm² 100 cm² 100 cm²	100 cm² 100 cm² 100 cm²
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Blank

Blank

9/15/02

9/15/02

mp 10/4/02

Sheet No.: D- 001076

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 42-43 Sampling Date: 9/15/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00175	SL- 00176	SL- 00177
Location ID	BD- 002106	BD- 002107	BD- 002108
Sample Group	BUILDING	BUILDING	BUILDING
Location Description	DIESEL FIRE PUMP HOUSE	DOUBLE WIDE TRAILER	ELECTRIC PUMP HOUSE
Category (circle)	(FS) Blank	(FS) Blank	(FS) Blank
Matrix Type (circle)	(Building) Vehicle, NA Other _____	(Building) Vehicle, NA Other _____	(Building) Vehicle, NA Other _____
Vermiculite Present? (circle)	Yes (No)	Yes (No)	Yes (No)
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)	Yes (No)	Yes (No)
Sample Area (cm^2) (circle)	100 200 (300)	100 200 (300)	100 200 (300)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal
Pump ID Number	626666	626666	626666
Flow Meter ID No.	34719	34719	34719
Start Date	9/15/02	9/15/02	9/15/02
Start Time	1527 / 1529 / 1531	1545 / 1547 / 1549	~~1406~~ 1606 / ~~1408~~ 1608 / ~~1410~~ 1610 map 9/15/02
Start Flow (L/min)	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Stop Date	9/15/02	9/15/02	9/15/02
Stop Time	1529 / 1531 / 1533	1547 / 1549 / 1551	~~1408~~ 1608 / ~~1410~~ 1610 / ~~1412~~ 1612 map 9/15/02
Stop Flow (L/min)	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Pump fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm^2 Entrance floor 100 cm^2 Floor next to pump 100 cm^2 Top of cabinet → all concrete floors, walls	100 cm^2 Entrance floor 100 cm^2 Floor in front of kitchen area cabinets 100 cm^2 Floor at bathroom entrance	100 cm^2 Front entrance floor 100 cm^2 Floor at entrance to extended room 100 cm^2 Rear entrance floor
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 022002

√ HP 10/4/02

Sheet No.: D- ~~001074~~

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 42-43 Sampling Date: 9/15/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other ____ Names: PETRAK

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00172	SL- 00173	SL- 00174
Location ID	BD- 002103	BD- 002104	BD- 002105
Sample Group	BUILDING	BUILDING	BUILDING
Location Description	LOG YARD- PUMP HOUSE	LOG YARD- LOG TRUCK SCALE SHED	IRRIGATION BLDG
Category (circle)	(FS) Blank	(FS) Blank	(FS) Blank
Matrix Type (circle)	(Building) Vehicle, NA Other ____	(Building) Vehicle, NA Other ____	(Building) Vehicle, NA Other ____
Vermiculite Present? (circle)	Yes (No)	Yes (No)	Yes (No)
samples be archived due to nce of vermiculite? (circle)	Yes (No)	Yes (No)	Yes (No)
Sample Area (cm²) (circle)	100 200 (300)	100 200 (300)	100 200 (300)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal
Pump ID Number	6026666	6026666	6026666
Flow Meter ID No.	34719	34719	34719
Start Date	9/15/02	9/15/02	9/15/02
Start Time	1416 / 1418 / 1420	1438 / 1440 / 1442	1504 / 1506 / 1508
Start Flow (L/min)	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Stop Date	9/15/02	9/15/02	9/15/02
Stop Time	1418 / 1420 / 1422	1440 / 1442 / 1444	1506 / 1508 / 1510
Stop Flow (L/min)	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Pump fault? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm² Entrance floor 100 cm² Floor next to engine base 100 cm² On engine base → concrete floor	100 cm² 1st floor- entrance floor 100 cm² 1st floor- desktop 100 cm² 2nd floor- door jamb - tile floor w/rubber mats	100 cm² Entrance floor 100 cm² Floor of doorway between rooms 100 cm² near center of doorway room
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 022002

JYP 10/4/02

wood floor w/covering

Sheet No.: D- 001073

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 42-43 Sampling Date: 9/15/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00169	SL- 00170	SL- 00171
Location ID	BD- 002100	BD- 002101	BD- 002102
Sample Group	BUILDING	BUILDING	BUILDING
Location Description	LOGYARD BREAK BUILDING	LOGYARD-STORAGE	LOGYARD- ~~GASOLINE SHED~~ OIL STORAGE SHED map 9/5/02
Category (circle)	(FS) Blank	(FS) Blank	(FS) Blank
Matrix Type (circle)	(Building) Vehicle. NA Other _____	(Building) Vehicle. NA Other _____	(Building) Vehicle, NA Other _____
Vermiculite Present? (circle)	Yes (No)	Yes (No)	Yes (No)
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)	Yes (No)	Yes (No)
Sample Area (cm^2) (circle)	100 200 (300)	100 200 (300)	100 200 (300)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal
Pump ID Number	6266666	6266666	6266666
Flow Meter ID No.	34719	34719	34719
Start Date	9/15/02	9/15/02	9/15/02
Start Time	1330 / 1332 / 1336	1345 / 1347 / 1351	1358 / 1400 / 1402
Start Flow (L/min)	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Stop Date	9/15/02	9/15/02	9/15/02
Stop Time	1332 / 1334 / 1338	1347 / 1349 / 1353	1400 / 1402 / 1404
Stop Flow (L/min)	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03	2.03 / 2.03 / 2.03
Pump Fail? (circle)	(No) Yes	(No) Yes	(No) Yes
Field Comments	100 cm^2 Entrance doorway floor 100 cm^2 Floor doorway between rooms 100 cm^2 Top of microwave oven → tile floor	100 cm^2 Entrance floor 100 cm^2 center of floor 100 cm^2 Top of workbench → wood floor	100 cm^2 Entrance floor 100 cm^2 Floor near end of tank 100 cm^2 On shelf → wood floor
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 022002

Vyp 10/4/02

Sheet No.: D- 001072

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 27-28 Sampling Date: 9/12/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: PES CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SL- 00066	SL- 00067	SL- 00068
Location ID	BD-002097	~~BD~~ mop 9/12/02	mop 9/12/02
Sample Group	mop 9/12/02 ~~D~~ BUILDING	BLANK	BLANK
Location Description	Fingerjoint Bldg, doorways & entrances	mop 9/12/02	9/12/02 mop
Category (circle)	FS Blank	FS Blank	FS Blank
Matrix Type (circle)	Building, Vehicle, NA Other _____	Building, Vehicle, NA Other _____	Building, Vehicle, NA Other _____
Vermiculite Present? (circle)	Yes No	Yes No	Yes No
Will samples be archived due to presence of vermiculite? (circle)	Yes No	Yes No mop 9/12/02	Yes No mop 9/12/02
Sample Area (cm^2) (circle)	100 200 300	100 200 300	100 200 300
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM-. 45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal	Rotometer Dry-Cal	Rotometer Dry-Cal
Pump ID Number	626753		
Flow Meter ID No.	34719		
Start Date	9/12/02		
Start Time	1546 1548 1550		
Start Flow (L/min)	2.03 2.03 2.03		
Stop Date	9/12/02		
Stop Time	1548 1550 1552		
Stop Flow (L/min)	2.03 2.03 2.03		
Pump fault? (circle)	No Yes	No Yes	No Yes
Field Comments	100 cm^2 On floor at pedestrian entrance to break room 100 cm^2 On floor at west vehicle door 100 cm^2 On floor at entrance to wrap & stack area from inside bldg	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Melissa A. Petrak 9/12/02

Melissa A. Petrak 9/12/02

vs 022002

Sheet No.: D- 001071

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 27-28 Sampling Date: 9/12/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: PETRAK/REPINE

Data Item	Cassette 1			Cassette 2			Cassette 3		
Index ID	SL- 00062			SL- 00064			SL- 00065		
Location ID	BD-002098			BD-002098			BD-002097		
Sample Group	BUILDING			BUILDING			BUILDING		
Location Description	Northern end of CM bldg			Supervisor's office and break room, CM bldg			Fingerjoint Bldg. Former lunch room (now parts storage)		
Category (circle)	(FS) Blank			(FS) Blank			(FS) Blank		
Matrix Type (circle)	(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____			(Building) Vehicle, NA Other _____		
Vermiculite Present? (circle)	(Yes) No			(Yes) No			~~Yes~~ 9/12/02 (No)		
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)			Yes (No)			Yes (No)		
Sample Area (cm²) (circle)	100 200 (300)			100 200 (300)			100 200 (300)		
Filter Diameter (circle)	(25mm) 37mm			(25mm) 37mm			(25mm) 37mm		
Pore Size (circle)	(TEM- .45) PCM- 0.8			(TEM- .45) PCM- 0.8			(TEM- .45) PCM- 0.8		
Flow Meter Type (circle)	(Rotometer) Dry-Cal			(Rotometer) Dry-Cal			(Rotometer) Dry-Cal		
Pump ID Number	626753			626753			626753		
Flow Meter ID No.	34719			34719			34719		
Start Date	9/12/02			9/12/02			9/12/02		
Start Time	1456	1458	1500	1512	1514	1516	1535	1537	1539
Start Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Stop Date	9/12/02			9/12/02			9/12/02		
Stop Time	1458	1500	1502	1514	1516	1518	1537	1539	1541
Stop Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Pump fault? (circle)	(No) Yes			(No) Yes			(No) Yes		
Field Comments	100 cm² On shelf in warehouse in NE corner of bldg 100 cm² On top shelf in NE corner of main work area 100 cm² Floor in center of north end of bldg			100 cm² Top of CB unit in supervisor's office 100 cm² Top of refrigerator in break room 100 cm² Top of soda machine in break room			100 cm² ~~In front~~ On floor, in front of front door 100 cm² On floor, in front of rear door 100 cm² On shelf to left of front door		
	Entered ___ Validated ___			Entered ___ Validated ___			Entered ___ Validated ___		

vs 022002

Sheet No.: D- 001070

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100117 Page No: 27-28 Sampling Date: 9/12/02

Address: 875 HIGHWAY 2 SOUTH Owner/Tenant: STIMSON LUMBER

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other ____ Names: PETRAK/REPINE

Data Item	Cassette 1			Cassette 2			Cassette 3		
Index ID	SL- 00059			SL- 00060			SL- 00061		
Location ID	BD-002098			BD-002098			BD-002098		
Sample Group	~~BUID~~ BUILDING			BUILDING			BUILDING		
Location Description	Machine shop in Central Maintenance(N) Building			South end of CM building			Center of CM building		
Category (circle)	(FS) Blank			(FS) Blank			(FS) Blank		
Matrix Type (circle)	(Building) Vehicle, NA Other ____			(Building) Vehicle, NA Other ____			(Building) Vehicle, NA Other ____		
Vermiculite Present? (circle)	(Yes) No			(Yes) No			(Yes) No		
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)			Yes (No)			Yes (No)		
Sample Area (cm²) (circle)	100 200 (300)			100 200 (300)			100 200 (300)		
Filter Diameter (circle)	(25mm) 37mm			(25mm) 37mm			(25mm) 37mm		
Pore Size (circle)	(TEM- .45) PCM- 0.8			(TEM-.45) PCM- 0.8			(TEM- .45) PCM- 0.8		
Flow Meter Type (circle)	(Rotometer) Dry-Cal			(Rotometer) Dry-Cal			(Rotometer) Dry-Cal		
Pump ID Number	626753			626753			626753		
Flow Meter ID No.	34719			34719			34719		
Start Date	9/12/02			9/12/02			9/12/02		
Start Time	1426	1428	1430	1435	1437	1439	1445	1447	1449
Start Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Stop Date	9/12/02			9/12/02			9/12/02		
Stop Time	1428	1430	1432	1437	1439	1441	1447	1449	1451
Stop Flow (L/min)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Pump fault? (circle)	(No) Yes			(No) Yes			(No) Yes		
Field Comments	100 cm² In front of sliding door to main area 100 cm² In front of rear sliding door (across from) 100 cm² Blade on large fan stored in rear corner			100 cm² On workbench near machine shop door 100 cm² In front of 3rd vehicle door from South end 100 cm² Center of 4th vehicle area from South end			100 cm² Work bench in rear of Cummins Engine room 100 cm² Center of area between 5th vehicle door from S & Cat Engine Room 100 cm² Top of large jack stand near door		
	Entered ___ Validated ___			Entered ___ Validated ___			Entered ___ Validated ___		

vs 022002

Sheet No.: D- 001029

LIBBY MONTANA FIELD SAMPLE DATA SHEET

DUST

Scenario No.: NA Field Logbook No: 100054 Page No: 86 Sampling Date: 5/2/02

Address: 875 Hwy 2 S Owner/Tenant: Stimson Lumber

Land Use: Residential School (Commercial) Mining Roadway Other ( )

Sampling Team: (PES) CDM Other _____ Names: Greg Parena Jim Henderson

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1-06850	1-06857	1-06858
Location ID	AD-000667	AD-000667	AD-000667
Sample Group	Shed	Shed	~~Shed~~ Blank 5/2/02
Location Description	Concrete Floor	Standing wood, debris removed from walls	Blank
Category (circle)	(FS) Blank	(FS) Blank	FS (Blank)
Matrix Type (circle)	(Building), Vehicle, NA Other _____	(Building), Vehicle, NA Other _____	Building, Vehicle, (NA) Other _____
Vermiculite Present? (circle)	Yes (No)	Yes (No)	Yes No
Will samples be archived due to presence of vermiculite? (circle)	Yes (No)	Yes (No)	Yes No
Sample Area (cm^2) (circle)	300	300	300
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	25mm 37mm
Pore Size (circle)	(TEM- .45) PCM- .08	(TEM- .45) PCM- .08	TEM- .45 PCM- .08
Flow Meter Type (circle)	(Rotometer) Dry-Cal	(Rotometer) Dry-Cal	Rotometer Dry-Cal
Pump ID Number	~~034719~~ 512856 5/2/02	602077	
Flow Meter ID No.	034719	034719	
Start Date	5/2/02	5/2/02	
Start Time	1306 1308 1310	1307 1309 1311	
Start Flow (L/min)	2.05	2.05	
Stop Date	5/2/02	5/2/02	
Stop Time	1308 1310 1312	1309 1311 1313	
Stop Flow (L/min)	2.05	2.05	
Pump fault? (circle)	(No) Yes	(No) Yes	No Yes
Field Comments	100 cm^2 - Center of main section 100 cm^2 - West end of main 100 cm^2 - West room, center of floor	100 cm^2 - top of wood piles at East end of main 100 cm^2 - top of wood pile @ West end of main. 100 cm^2 - South wall, west room on ground level horizontal beam	100 cm^2 100 cm^2 100 cm^2
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

5/2/02

Appendix E

Central Maintenance Building

Truck Barn

Fire Hall

Electric Pump House

Current Conditions of Buildings Remaining on Stimson Property

Diesel Pump House

Doublewide

Former Location of Nursery Shed

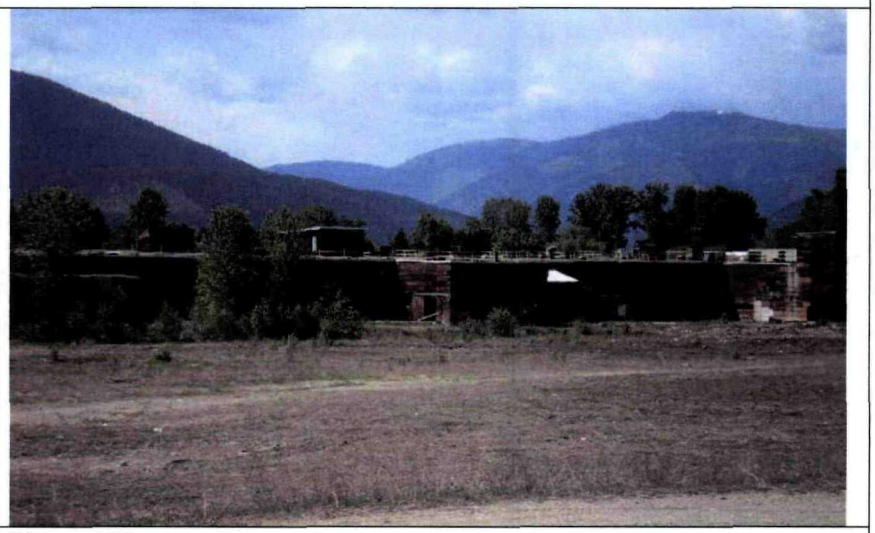
Former Location of Irrigation Building

Current Conditions of Buildings Remaining on Stimson Property

Log Yard Pump House. Former Location of Log Yard Break Room, Storage Shed, and Oil Shed

Scale House

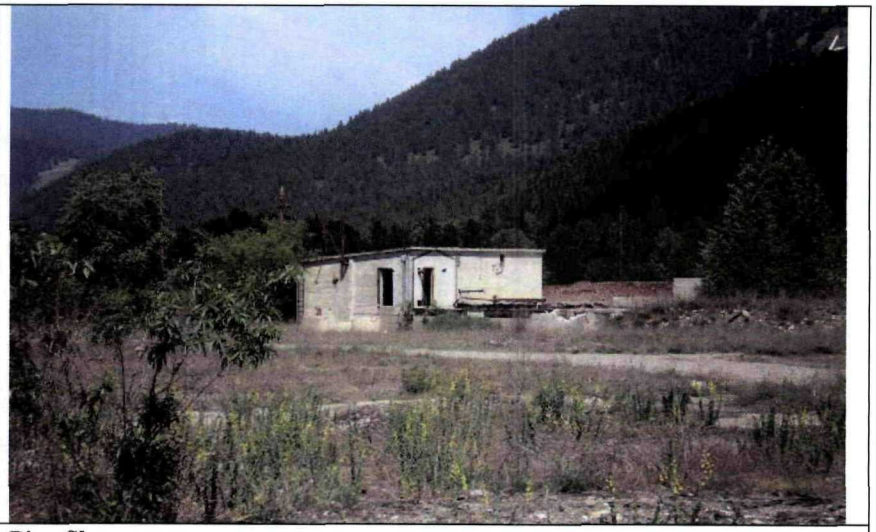
Former Location of Guard Station North Gate



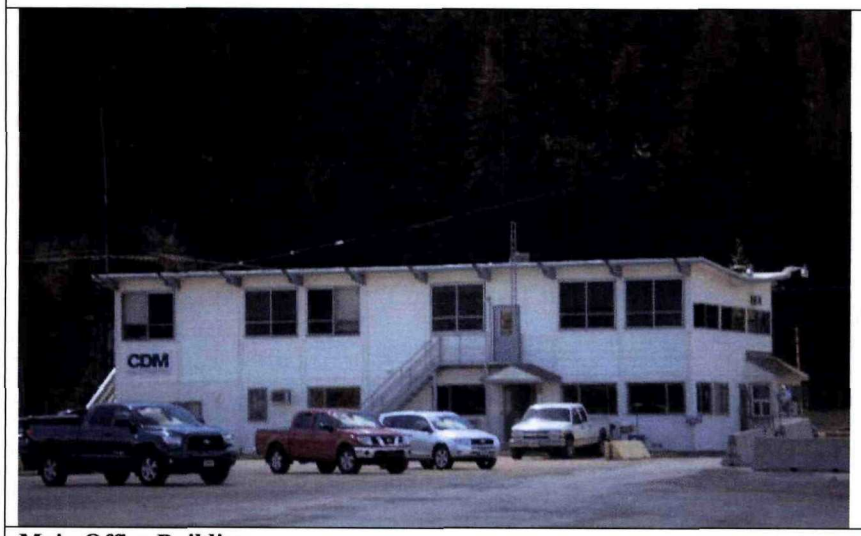
Plywood Plant

Current Conditions of Buildings Remaining on Stimson Property

Powerhouse and Powerhouse Office



Pipe Shop



Main Office Building

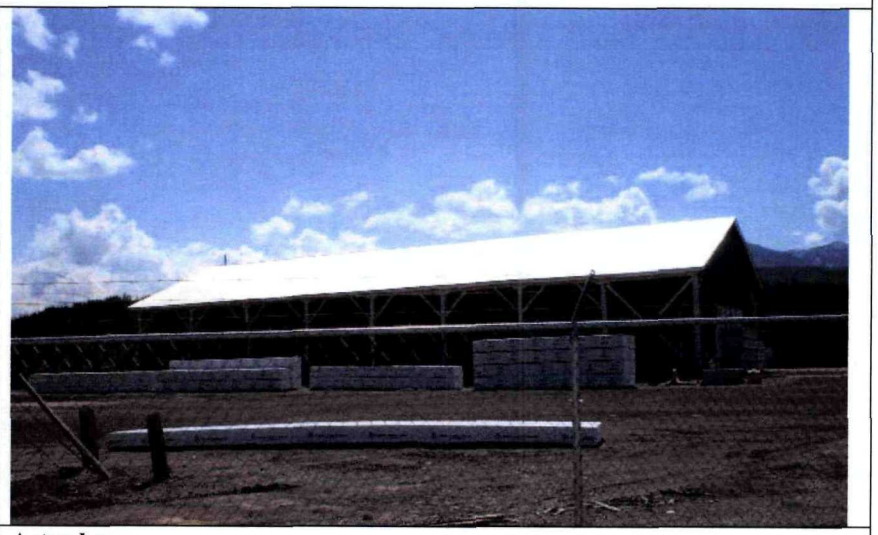
Wagner Shed

Current Conditions of Buildings Remaining on Stimson Property

Electric Motor Shed

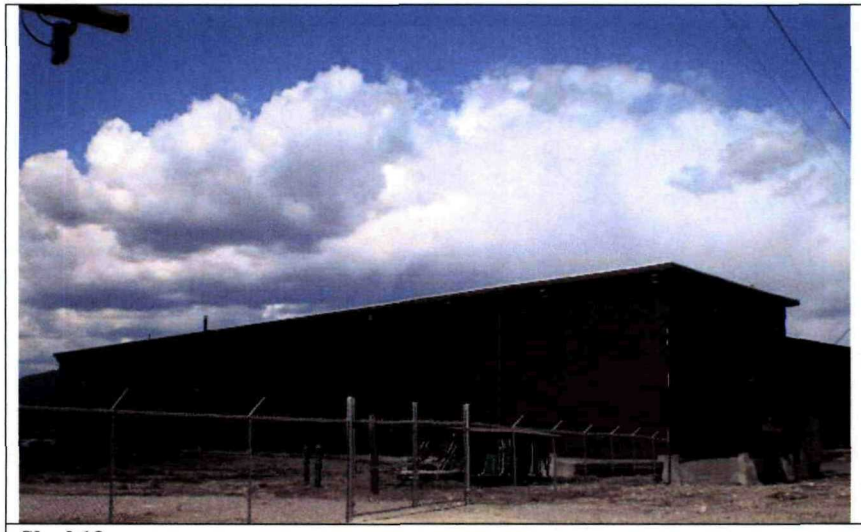
Steel Storage

Former Location of Abandoned Lumber Kilns

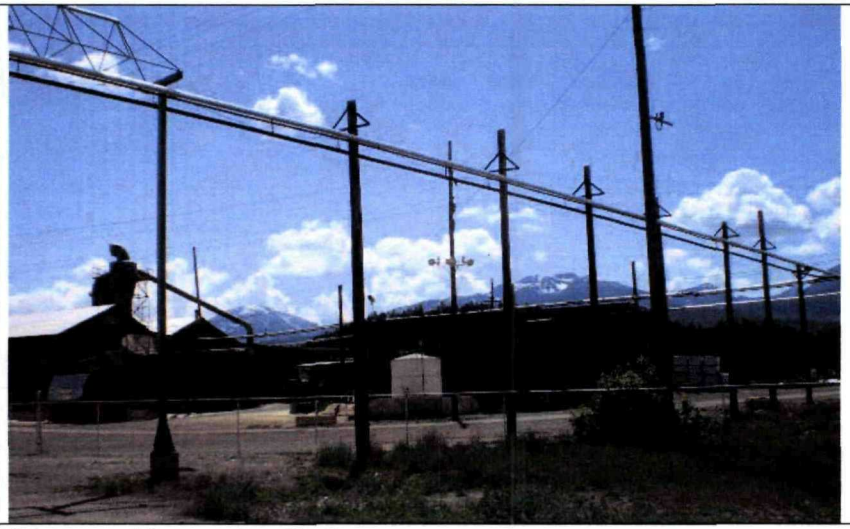


Astrodome

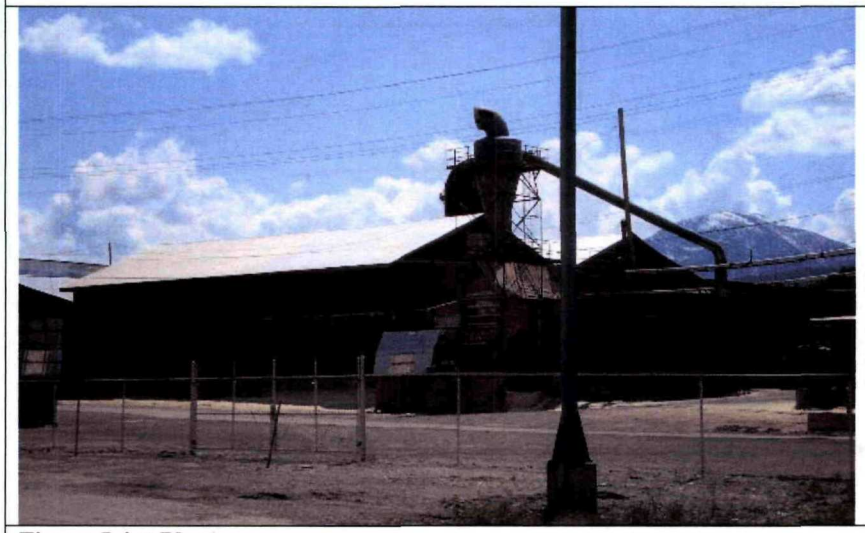
Current Conditions of Buildings Remaining on Stimson Property



Shed 12



Storage and Locomotive Shed



Finger Joint Plant

Finger Joint Plant

Appendix F

Sheet No.: B- 000035

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR BULK MATERIALS

Field Logbook No: 100319 Page No: ~~100319~~ 13 DS 5.4.04 Sampling Date: 4-30-04

Address: 875 Hwy 2 S Owner/Tenant: TBA

Business Name: STIMSON

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: DAVE SPIELMAN

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1D- 01786 DS 4.30.04	1D- 01787 DS 4.30.04	1D- 01788 DS 4.30.04
Location ID	BD-002098	BD-002098	BD-002098
Sample Group	~~CONCRETE~~ BUILDING	~~CONCRETE~~ BUILDING	~~CONCRETE~~ BUILDING DS 4.30.04
Location Description	ROOFING MATERIAL	ROOFING MATERIAL	ROOFING MATERIAL
Category (circle)	FS Other _____	FS Other _____	FS Other _____
Matrix Type (circle)	Insulation JB 5/5/04 Other ~~ROOF~~ CONCRETE	Insulation JB 5/5/04 Other ~~ROOF~~ CONCRETE	Insulation JB 5/5/04 Other ~~ROOF~~ CONCRETE
Sample Time	12:00	12:10	12:15
Field Comments Upper roof of Maintenance Building	FROM DAMAGED MATERIAL SCATTERED ON ROOF ~~AFTER~~ DS 4.30.04	FROM DAMAGED MATERIAL SCATTERED ON ROOF	FROM DAMAGED MATERIAL SCATTERED ON ROOF
QC (Field Team) Entered (LFO) JB	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by DS	QC by PD

vs 101503

Sheet No.: B- 000036

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR BULK MATERIALS

Field Logbook No: 100348 Page No: 28 Sampling Date: 8-12-04

Address: Stimson Maintenance Building Owner/Tenant: Port Authority

Business Name: NA- (875 Hwy 25)

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: B. Shouse, T. Sesti

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1D-01978	1D-01979	
Location ID	BD-002098 →	→	
Sample Group	Building →	→	
Location Description	Lowest SW roof with blue drum on roof.	Mid-height roof on S side above the "Maintenance" sign.	
Category (circle)	FS Other _____	FS Other _____	FS Other _____
Matrix Type (circle)	Insulation Other _____	Insulation Other _____	Insulation Other _____
Sample Time	0830	0835	
Field Comments	This material is from the roof, under the tar paper, of the Stimson Maintenance Building. →	→	
QC (Field Team) Entered (LFO)	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by BS	QC by TS

vs 101503

Location HWY 2S Date 4-30-04

Project / Client LIBBY ASBESTOS PROJECT EPA REG 8 VOLPE

STIMSON MAINTANENCE BLD

(33) FACING E SHOWING S SIDE (FRONT) OF BUILDING NO AREAS ON S. SIDE CONTAIN VCI AS PER GREG P

(34) FACING NW SHOWING E SIDE - NOTE ADDITION BEGINS AT BOTTOM OF 'V' SLOPE TOWARDS SOUTH (FRONT OF BLD) NO VCI — DS 4-30-04

(35) PIPES STACKED ON S SIDE EAST WALL AND ALSO VC ROOFING CONCRETE SCATTERED ON GROUND

36) EAST SIDE (LOW WALL) FULL OF VCI (ORANGE DOT
37) SHOW TEST HOLES — DS-4-30-04

(38) INSIDE ROOM 1-1 FACING THE S INTERIOR WALL, FORMERLY EXTERIOR WALL - BUT HOLLOW (NO VCI) MAY HAVE BEEN REMOVED (OTHER SIDE IS PLYWOOD)

39) INSIDE ROOM 1-1 ~15' PIPES SHOWING EVIDENCE OF ACM REMOVAL — DS 4-30-04

(40) 10ft VOULT ON SE CORNER (E SIDE) - UNKNOWN USE, NO VCI APPARENT — DS 4-30-04

(41) ADDITION WALL (~~35 SIDE OF~~ DS 4-30-04 S SIDE, EAST WALL) NO VCI — DS 4-30-04

12:45 DS OFF SITE FOR ADDITIONAL (UNRELATED) WORK

15:00 DS ON SITE - GATHERED PHOTOS OF ROOFS (WILL BE RECORDED ELECTRONICALLY IN PDI LOG FORMAT.

- NOTE ON FLOOR OF MAIN MNT. AREA, SLUDGE/SOIL IN VEHICLE TRACK FROM EAST BAY TO NORTH BAY 6 - MAY REQUIRE SHOVEL/SCRAPING ~1/4-1" OF GRIME

DAVID SPIEGMAN — 4-30-04 — DSpiegman

Location HWY 2S Date 4-30-04

Project / Client LIBBY ASBESTOS PROJECT EPA REG 8 VOLPE

STIMSON MAINTANENCE BLD.

TRACK IS ABOUT 150ft x 5ft — DS 4-30-04

ROOFING MATERIAL (CONCRETE - LIGHT/POROUS W/ VERMICULITE) SAMPLED IAW PDI ~~SAP FINAL~~ DS 4-30-04 DRAFT WORKPLAN 2003 — DS 4-30-04

DS 4-30-04

STIMSON MAINT. BUILDING UPPER ROOF — DS-4-30-04

FSDS# 000035
1D- 01784

FSDS# 000035
1D- 01787

FSDS# 000035
1D- 01788

SAMPLES COLLECTED FROM SCATTERED PIECES ALREADY BROKEN OFF THE ROOF — DS 4-30-04

- LOWER BLD. ADDITION - NORTH SIDE WEST END OF MNT. BLD. DRILLED/INSPECTED ABOVE BAY DOORS NO VCI (PHOTO RECORDED) - ASSUME ALL AREAS WEST ALSO NO VCI (FIBERGLASS - TAN TYPE) — DS 4-30-04

- ROOM 17.2 (FURNACE/BLOWER ROOM) VCI IN UPPER BAYS OF W WALL, REMNANTS (2" DEEP) ONLY IN LOWER - PHOTOGRAPHED. — DS 4-30-04

DAVID SPIEGMAN — 4-30-04 — DSpiegman

28

Location 875 Hwy 25 Date 8-12-04

Project / Client Libby Asbestos US EPA Region 8

Stimson Maintenance Building BD-002098

0820: Arrive to collect bulk samples from 2 different roof levels. B. Shoup (author) + T. Sesti onsite. Material is a wet sand-like insulation. It is below the many layers of tar + paper on the roofs of the lowest SW portion and the slightly higher roof above the "Maintenance" sign of the S side. Bulk samples on FSDS-000036 are as follows: ID-01978 and ID-01979. BS 8-22-04

0840: Finished onsite. BS 8-12-04

0850: Relinquish samples to sample coordinator.

B. Shoup

8-12-04

29

Location 157 Quartz Rd. Date 8-12-04

Project / Client Libby Asbestos US EPA Region 8

BD-001940 BS 8-12-04 Lisa Robbe-Soults

0950: Arrive to inspect an unknown attic. B. Shoup (author) onsite. All work IAW CSS SAP Rev. I, 2003. The attic contains fiberglass only. Upon further inspection, gross VCS was observed in several areas not noted on the IFF. L.V. was seen in 2 large flowerbeds, on the SW and SE sides of the bunkhouse, and in the horse corral. The IFF was updated and all VCS areas were marked. The bunkhouse walls were drilled + scoped - no insulation observed. Inspected all outbuildings and the cold storage bunker. No VCI observed in any of them.

1115: Finished @ property.

B. Shoup

8-12-04

Appendix G

Sheet No.: W- 000039

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR WATER AND SEDIMENT

Field Logbook No: 100567 Page No: 7-8 Sampling Date: 9/19/06

Address: ~~875 Highway 2 East~~ GAP 9/19/06 Libby Creek Owner/Tenant: NA

Business Name: NA

Land Use: Residential School Commercial Mining Roadway Other (public use)

Sampling Team: MACTEC CDM Other _____ Names: W. Wright, G. Pelletier

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1-08005	1-08006	1-08007
Location ID	SP-129641	SP-129642	SP-129643
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description	downstream, adjacent to settling pond berms	Adjacent to Scale at old weigh station	upstream, above fire pond divergence
Category (circle)	FS FD of _____ Trip Blank	FS FD of _____ Trip Blank	FS FD of _____ Trip Blank
Matrix Type (circle)	Surface Water Well Water Laboratory Water Sediment Other _____	Surface Water Well Water Laboratory Water Sediment Other _____	Surface Water Well Water Laboratory Water Sediment Other _____
Sample Time	0935	1010	1035
GPS Status (circle)	Collected Not Collected-no signal (3 attempts) Not Collected-not required for sample	Collected Not Collected-no signal (3 attempts) Not Collected-not required for sample	Collected Not Collected-no signal (3 attempts) Not Collected-not required for sample
GPS File (fill in or circle)	Filename:_____ NA	Filename:_____ NA	Filename:_____ NA
Field Comments	downstream location	location adjacent to former mill site	upstream location
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by GAP	QC by

vs 041106

Sheet No.: W- 000032

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR WATER AND SEDIMENT

Field Logbook No: 100567 Page No: 2-5 Sampling Date: 4/18/06

Address: 875 Highway 2 W TC 4/18/06 Libby Creek Owner/Tenant: NA

Business Name: Stimson TC 4/18/06

Land Use: Residential School Commercial Mining Roadway (Other) (Public use)

Sampling Team: MACTEC (CDM) Other _____ Names: Repine/Tenney/Crowell

Data Item	Sample 1	Sample 2	Sample 3
Index ID	KT 4/18/06 1-08253	KT 4/18/06 1-08254	KT 4/18/06 1-08255
Location ID	SP-129641	SP-129642	SP-129643
Sample Group	~~Creek~~ PROPERTY	4-18-06 pk ~~creek~~	~~creek~~
Location Description	downstream, adjacent to settling pond berms	adjacent to scale at old weigh TC 4/18/06 station	upstream, above fire pond divergence
Category (circle)	(FS) FD of _____ Trip Blank	(FS) FD of _____ Trip Blank	(FS) FD of _____ Trip Blank
Matrix Type (circle)	(Surface Water) Well Water Laboratory Water Sediment Other _____	(Surface Water) Well Water Laboratory Water Sediment Other _____	(Surface Water) Well Water Laboratory Water Sediment Other _____
Sample Time	1010	1107	1141
GPS Status (circle)	(Collected) Not Collected-no signal (3 attempts) Not Collected-not required for sample	(Collected) Not Collected-no signal (3 attempts) Not Collected-not required for sample	(Collected) Not Collected-no signal (3 attempts) Not Collected-not required for sample
GPS File (fill in or circle)	Filename: ~~T6A04206~~ T1A04186 NA	Filename: T6B04206 NA	Filename: T6C04206 NA
Field Comments	downstream location	location adjacent to former mill site	upstream location
QC (Field Team) Entered (LFO)	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by TC	QC by KT

vs 041106

4/18/06

0953 Calibrate Horiba U-22 water quality monitoring device. Terry Crowell, Kathryn Tenney and Damon Repine, CDM, to perform water sampling (surface water) in Libby Creek. Sampling to be done in accord with the SAP for surface water sampling in Libby Creek, revision 1, April 2006.

Calibration parameters are as follows:

pH = 3.95 (no turbidity as part of calibration)
cond = 4.62 mS/cm
DO = 11.09 mg/L
ORP = -103 mV

weather is sunny, ~40°F, no wind.

0959 At first sampling station, located downstream of site, take water quality measurements. Site refers to former Champion lumber and plywood mill site. Parameters are as follows:

pH = 5.29 Temp = 3.91°C
cond = 0.042 S/cm sal. = 0.0%
turb = 8.1 NTU TDS = 0.03 g/L
DO = 12.38 mg/L ORP = 72 mV

PPE is modified level D, with life preservers, tie-off rope, and waders for H&S precautions and sampling offshore.

Sampling location is adjacent to settling pond berms, downstream.

1010 collect sample 1-08253. Sample containers rinsed 3x as appropriate and filled in accord w/ the SAP or simply filled if pre-preserved using sample from a clean glass jar.

1045 Decon equipment, mob to next site.

1103 arrive at next sampling location. This one is adjacent to the former site, parallel (roughly) to the scale at old weigh station.

TC 4/18/06 ~~1104~~ 1107 Take water quality parameters and collect sample 1-08254. Parameters are:

pH = 6.77 Temp = 4.88°C
cond = 0.041 S/cm sal = 0.0%
turb = ~~gr.~~ 5.7 NTU TDS = 0.03 g/L
DO = 11.90 mg/L ORP = 116 mV

TC 4/18/06

~~All samples collected into proper containers~~ TC 4/18/06

1127 All containers filled; mobbing to next sampling location following decon.

1134 Arrive at third location, upstream of site immediately above (upstream) diversion to fire ponds where stream is naturally flowing and there is no man-made influence.

1141 Take water quality parameters and collect sample 1-08255. Parameters are:

pH = 7.40	temp = 5.99°C
cond = 0.041	sal = 0.0%
turb = 6.1	TDS = 0.03 g/L
DO = 12.78 mg/L	ORP = -153 mV

All containers filled; equipment deconned.

1158 Mob back to office to relinquish samples to the COM sample coordination team. GPS points for the latter two samples collected today will be collected this afternoon. It should be noted that at first sample location, one glass bottle for SVOCs was lost downstream. Immediately contacted the sample coordinator to confirm with the lab that they

can analyze SVOCs from the one liter bottle already filled. Lab (Alpha) confirmed that they should have no problems in sample volume provided.

1215 Terry Cromell relinquish samples to P. Karr @ COM field office. Turn over logbook to K. Tenney for GPS recordkeeping.

1436 collecting GPS point SP-129643 that corresponds to 1-08255 — kt

1451 collecting GPS point SP-129642 that corresponds to 1-08254 — kt

1454 no signal, will re-attempt tomorrow — kt

1456 out of logbook 4/18/06

4/18/06

100567 LIBBY CREEK 4/20/06 KT

author: Tenney

1030 onsite KT 4/20/06 Weather: ~40°F sunny

Sample team: Tenney, Repine, Cooper

1030 onsite to collect GPS data point SP129641 that corresponds to 1-08253 water sample taken 4/18/06. Reference FSDSWO 00032 we are at the down stream location T6A042006 filename for GPS

1040 at location adjacent to scale at old weigh station to collect GPS point SP129642 that corresponds to the water sample, 1-08254 taken 4/18/06

1101 onsite at upstream location near fire pond divergence to collect GPS point SP129643 that corresponds to Samples 1-08255 taken 4/18/06

1130 onsite at CDM field office

1145 out of logbook 4/20/06

4/21/06

Author: Gwen Pelletier 09-19-06

Logbook - 100567, overcast, 49°F

Sample team: B. Wright, G. Pelletier

Sampling performed in accordance with SAP for Libby Creek Surface Water revision 1, dated April 2006.

0850 at gate to downstream sampling location. Check calibration of Horiba, re-calibrate conductivity

pH - 4.00 DO - 9.94

Cond - 7368.0 ORP - 319

NTU - .1

0925 Arrived at Downstream Sampling location. Water Quality measurements taken. Parameters as follows:

pH = 7.35 Temp = 12.08 °C

Cond = 0.114 ms/cm ORP = 220 mV

NTU = -1.4

DO = 10.46 mg/L

PPE is modified Level D with waders.

Sample collected at 0935 (1-08005)

1000 Arrived at location adjacent to former mill site. Collected water quality samples

Author: Gwen Pelletier 09/19/06
Logbook 100567, overcast, 49°F
Sample Team: B. Wright, G. Pelletier
Sampling performed in accordance with
SAP for Lidy Creek Surface Water Removal
dated April 2006
Parameters are as follows:
pH = 8.10 DO = 10.13 mg/L
Cond = 0.111 ms/cm Temp = 12.41°C
Turb = -1.6 NTU ORP = 249 mV
Water Samples collected at 1010 (1-08006)
1030 Arrived at Upstream Sampling Location.
Water Quality Parameters are as follows:
pH = 8.38 DO = 10.75 mg/L
Cond = 0.108 ms/cm Temp = 12.53 °C
Turb = 9.5 NTU ORP = 278 mV
Water Samples collected at 1035 (1-08007)

9/19/06
No more entries

Appendix H

Form Number: BD-002098

LIBBY ASBESTOS PROJECT
Property Closeout Checklist (PCC)
Revision 1

Field Logbook No.: 100438 Page Number(s): 5-101 Form Date: 7/27/05

Address: 875 HWY 2 S - STIMSON LUMBER

Owner: LINCOLN COUNTY PORT AUTHORITY - ~~STIMSON LUMBER~~

Occupant: VACANT

Oversight Personnel: WUZLOWSKI - CDM

Removal Contractor: EQM - CES

Restoration Contractor: LIBBY INSULATION - WALL REINSULATE / MAST ROOFING - ROOF

Associated BD Numbers: BD-002098

PCC Check Completed by (100% of forms): [signature] 1/24/06

Data Item	Value		Comments
Type of removal activity *circle all that apply*	VCI removal Interior cleaning Exterior removal Building materials Other A SHACK		→ SURFACE SOIL SCRAPE ALONG FOOTPRINT OF BLDG. W SIDE (5'x4'x8')
	Start	Finish	
Exterior setup date(s)	7/12/05	7/12	*NA implies exterior work not needed*
Exterior removal date(s)	7/12	7/12	*NA implies exterior work not needed*
Exterior restoration date(s)	NO EXTERIOR	RESTORATION	*NA implies exterior work not needed*
Interior setup date(s)	5/5/05	7/13/05	*NA implies interior work not needed*
Interior removal date(s)	5/5	7/21/05	*NA implies interior work not needed*
Interior restoration date(s)	5/17	7/16	*NA implies interior work not needed*
Total days at property	82		
Contaminated material removed *circle all that apply*	Soil VCI Other insulation Household items Rubbish/Debris Other ROOF MATERIAL		

Form Number: BD-002098

Data Item	Value	Comments
Cubic yards (Yd^3) of material removed:		
Soil	≈ 10 Yd^3 NA	
VCI	≈ 408 Yd^3 NA	
Other insulation	≈ 10 Yd^3 NA	Type of insulation removed: FIBERGLASS
Household items	Description: NA	
Rubbish/Debris	2 Truckloads NA	Description:
Any contaminated material remaining after removal is complete? *Circle all that apply*	No Soil VCI	REMNANTS OF VCI REMAIN IN WALL CAVITIES
Complete following sections as necessary.		
Contaminated soil remaining NA	Location description: SURFACE SOIL REMOVAL WAS COMPLETED ALONG W SIDE OF BLDG WHERE VCI LEAKED FROM VOIDS IN WALL. NO SAMPLING WAS DONE AS PER CRAIG MYERS (EPA-OSC)	
VCI remaining NA	Location description: REMNANTS IN WALL CAVITIES.	
Yards of insulation replaced	≈ 435	Type: BLOW IN FIBERGLASS
Yards of residential fill replaced	∅	
Yards of topsoil replaced	∅	

Form Number: BD 002098

Data Item	Value	Comments
Yards of other material replaced (i.e., gravel)	Ø	Type:
Date HEPA vacuum given to resident	Date: _____ Not given	Reason:
Items damaged during construction	NO DAMAGE	

ADDITIONAL INFORMATION - ADD SKETCHES AS NECESSARY

- ≈ 50 yd³ OF AERATED VC CONCRETE REMOVED FROM ROOF & REPLACED w/ RUBBER TYPE ROLLED ROOFING MATERIAL.
- 2 VAULTS ON EXTERIOR NE & NW CORNERS WERE DETAILED. NW VAULTS LID WAS DAMAGED PRIOR TO REMOVAL.
- INTERIOR FLOOR PITS WERE DETAILED & INCLUDED IN SAMPLES @ TIME OF CLEARANCE.