CDM

Removal Action Oversight Report

Revision 1

PUBLIC DOCUMENT

Former Vermiculite Intermountain Facility-SLC2

100 South 333 West

Salt Lake City, Utah

Libby Sister Sites (Asbestos Project)

June 2005

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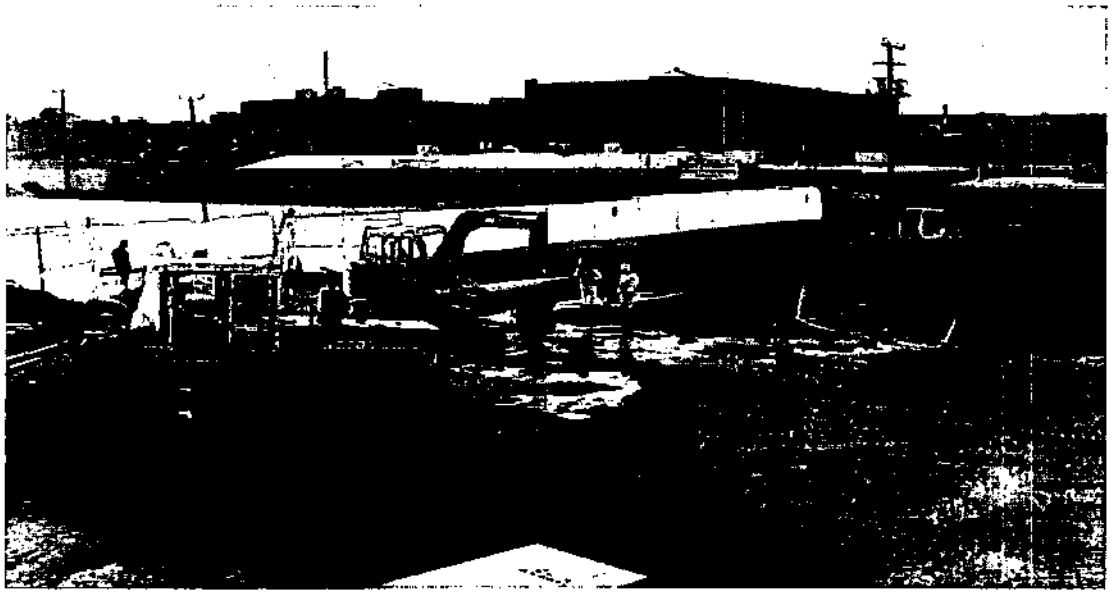

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Subject: Libby Sister Site, Former Vermiculite Intermountain Facility - SLC2
Contract No. DTRS57-99-D-00017, Task Order No. 33
Removal Action Oversight Report (Revision 1) - May 2005

Dear Mr. Kudarauskas:

CDM is pleased to submit Revision 1 of the Removal Action Oversight Report for the SLC2 Libby Sister Site. This report details the soil investigation conducted at the AMPCO Parking as well as the removal oversight activities at the Artistic Printing building, Frank Edwards building, UP&L switch house, and UP&L yard.

If you have any questions or comments regarding this report, please call me at (720) 264-1116.

Very truly yours,

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

Jeff Montera
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cc: J. Ackerman, EPA OSC
File

Removal Action Oversight Report (Revision 1)

for

Libby Sister Sites
Former Vermiculite Intermountain Facility-SLC2
100 South 333 West
Salt Lake City, Utah

EPA Region 8

June 2005

Contract No. DTRS57-99-D-00017
Task Order No. 33
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Removal Action Oversight Report (Revision 1)

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Libby Sister Sites
Former Vermiculite Intermountain Facility-SLC2
100 South 333 West
Salt Lake City, Utah

EPA Region 8

June 2005

Contract No. DTRS57-99-D-00017
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Contents

Section 1 Introduction

1.1 Objectives 1-1
1.2 Removal Action Overview 1-1
1.2.1 Objectives 1-1

Section 2 Summary of Removal Action Oversight Activities

2.1 AMPCO Parking Lot 2-1
2.2 Artistic Printing 2-1
2.3 Frank Edwards Building 2-2
2.4 Utah Power and Light Switch House 2-3
2.4.1 UP&L Switch House Crawlspace 2-3
2.5 Utah Power and Light Yard 2-3

Section 3 Sample Analysis and Results

3.1 Soil Samples 3-1
3.1.1 AMPCO Parking Lot Samples 3-1
3.1.2 Artistic Printing Roof Sample 3-1
3.1.3 UP&L Switch House Crawlspace Sample 3-1
3.1.4 UP&L Yard Samples 3-1
3.1.4.1 Petroleum-Stained Soil Samples 3-1
3.2 Air Samples 3-1
3.2.1 Stationary Air Samples 3-1
3.2.1.1 Artistic Printing 3-2
3.2.1.2 Frank Edwards Building 3-2
3.2.1.3 UP&L Switch House 3-2
3.2.1.4 UP&L Yard 3-2
3.2.2 Personal Air Samples 3-3
3.2.2.1 AMPCO Parking Lot Soil Sampling 3-3
3.2.2.2 Artistic Printing 3-3
3.2.2.3 Frank Edwards Building 3-3
3.3 Dust Samples 3-4
3.3.1 Artistic Printing 3-4
3.3.2 Frank Edwards Building 3-4
3.4 Water Samples 3-4

Section 4 Site Restoration

4.1 Artistic Printing 4-1
4.2 Frank Edwards Building 4-1
4.3 UP&L Yard 4-1

Section 5 References

Appendices

Appendix A	Artistic Printing Removal Action Personal Air Sampling Memorandum
Appendix B	AMPCO Parking Lot Field Sample Data Sheets (FSDS)
Appendix C	AMPCO Parking Lot Field Logbook Entries
Appendix D	Artistic Printing FSDS
Appendix E	Artistic Printing Field Logbook Entries
Appendix F	Frank Edwards Building FSDS
Appendix G	Frank Edwards Building Field Logbook Entries
Appendix H	UP&L Switch House FSDS
Appendix I	UP&L Switch House Field Logbook Entries
Appendix J	UP&L Yard FSDS
Appendix K	UP&L Yard Field Logbook Entries
Appendix L	CD of Analytical Data and Site Photographs

Figures

ES-1 Site Location Map
ES-2 Site Map
2-1 AMPCO Parking Lot Soil Sample Location Map
2-2 Artistic Printing Building Containment Layouts
2-3 Frank Edwards Building Containment Layouts
2-4 UP&L Switch House Containment Layouts
2-5 UP&L Yard Sub-areas
3-1 UP&L Yard Soil and Perimeter Air Sample Locations
3-2 Artistic Printing Building Stationary Air Sampling Locations
3-3 Frank Edwards Building Stationary Air Sampling Locations
3-4 UP&L Switch House Stationary Air Sampling Locations

Tables

2-1 AMPCO Parking Lot Soil Sample Collection Key
3-1 Summary of SLC2 Sample Results
3-2 Summary of Perimeter Air Samples Collected During Removal Activities at Artistic Printing
3-3 Summary of Perimeter Air Samples Collected During Removal Activities at Frank Edwards
3-4 Summary of Perimeter Air Samples Collected During Removal Activities at UP&L Switch House
3-5 Summary of Perimeter Air Samples Collected During Removal Activities at UP&L Yard

Acronyms

AHERA	Asbestos Hazard and Emergency Response Act
AMPCO	American Parking Company
ASTM	American Society for Testing and Materials
bgs	below ground surface
CDM	CDM Federal Programs Corporation
CSF	close support facility
DTS-33	Environmental Engineering Division
DPT	direct push technology
ER	Environmental Restoration, Inc.
EPA	U.S. Environmental Protection Agency
f/cc	fibers per cubic centimeter
f/L	fibers per liter
FSDS	field sample data sheet
LA	Libby amphibole
mil	millimeter
NAFU	negative air filtration unit
OSHA	Occupational Safety and Health Administration
PCM	phase contrast microscopy
PDI	predesign inspection
PEL	permissible exposure limit
PLM	polarized light microscopy
PPE	personal protective equipment
RAWP	Response action work plan
SLC2	former Vermiculite Intermountain Facility and surrounding area
s/cm^2	structure(s) per square centimeter
s/cc	structure(s) per cubic centimeter
s/L	structure(s) per liter
SRC	Syracuse Research Corporation
TCLP	toxic characteristic leaching procedure
TEM	transmission electron microscopy
TWA	time weighted average
UP&L	Utah Power and Light
Volpe Center	John A. Volpe National Transportation Systems Center
%	percent

Executive Summary

The former Vermiculite Intermountain Facility and surrounding area (SLC2) is located at 100 South 333 West, just south of the Delta Center in downtown Salt Lake City, UT. The site, SLC2, includes the properties of PacifiCorp (owners of Utah Power and Light [UP&L]) (part of which is where the former vermiculite facility was located), Artistic Printing, the Frank Edwards building, part of the Utah Paperbox Company, and the American Parking Company (AMPCO) (Figures ES-1 and ES-2).

Previous sampling activities at SLC2 indicated the need for interior cleanings at the Artistic Printing building, Frank Edwards building, and the UP&L switch house. In addition, the preliminary findings showed a need for soil removal within the UP&L yard and additional investigation within the AMPCO parking lot (CDM Federal Programs Corporation [CDM] 2003a).

CDM performed removal action oversight activities at SLC2 between April 14, 2004 and March 8, 2005. During that time CDM personnel were tasked to determine the nature and extent of Libby amphibole (LA) asbestos contamination beneath the AMPCO parking lot, and perform oversight (i.e., containment inspection, health and safety oversight, air monitoring, and clearance sampling) of interior cleaning activities at the Artistic Printing building, Frank Edwards building, and UP&L switch house. CDM performed the same oversight for exterior cleaning activities at the UP&L yard.

Twenty-two subsurface soil samples (including one field duplicate) were collected from various depths beneath the AMPCO parking lot on April 14, 2004. Four samples contained detectable levels of LA asbestos, all at trace concentrations (<0.2 percent [%]).

Interior cleaning activities at Artistic Printing were conducted between April 15 and May 29, 2004. In support, CDM collected 167 perimeter air samples, 55 clearance samples, 13 personal air samples, 6 dust samples, 1 water sample, and 1 soil sample. Four perimeter air samples collected during removal activities (one from each of four separate containment areas) exceeded the project action level of one LA asbestos structure. The corrective action for each exceedance was the re-evaluation of engineering controls and work practices with any necessary modifications. One clearance sample exceeded the project action level of one LA asbestos structure, which resulted in a re-cleaning and re-sampling of the affected containment area. The Artistic Printing building was determined cleared on May 31, 2004.

Five background air samples and five dust samples were collected on May 4th in the Frank Edwards building to further delineate areas of contamination. Interior cleaning activities began on June 1 and were completed on June 22, 2004. In support, CDM collected 33 perimeter air samples, five clearance samples, 11 personal air samples, and 2 dust samples. No perimeter air samples exceeded the project action level. One clearance sample exceeded the project action level, which resulted in a re-cleaning

and re-sampling of the affected containment area. The Frank Edwards building was determined cleared on June 22, 2004.

Interior cleaning activities at the UP&L switch house were conducted between August 9 and August 19, 2004. In support, CDM collected 11perimeter air samples and 10 clearance samples. All samples collected were nondetect for LA asbestos. The UP&L switch house was determined cleared on August 19, 2004.

Exterior removal activities at the UP&L yard were conducted between September 7, 2004 and March 8, 2005. During that time, CDM collected 12 perimeter air samples, one stationary air sample (within the job trailer), and 23 soil clearance samples. All personal air monitoring was conducted by the site health and safety coordinators from R&R Environmental, PacifiCorp's on-site contractor. One stationary and two perimeter air samples collected during removal activities exceeded the project action level of one LA asbestos structure. The corrective action taken for each exceedance was the re-evaluation of engineering controls and work practices with any necessary modifications. Four of the soil clearance samples collected were nondetect for LA asbestos. The other 18 soil clearance samples collected contained detectable levels of LA asbestos at trace concentrations at excavation depths greater than one foot below ground surface (bgs).

Section 1
Introduction

The U.S. Environmental Protection Agency (EPA) has determined that the vermiculite ore mined from the mountains surrounding Libby, MT is contaminated with LA asbestos. The ore was shipped throughout the United States both as a processed and unprocessed material. EPA has conducted various investigations to determine other potentially contaminated properties (outside of Libby), which may have been impacted by the Libby mining operations (otherwise known as Libby Sister Sites). One such sister site is SLC2.

SLC2 is located at 100 South 333 West, just south of the Delta Center in downtown Salt Lake City, UT. SLC2 includes the properties of UP&L/PacifiCorp (part of which is where the former vermiculite facility was located), Artistic Printing, the Frank Edwards building, part of the Utah Paperbox Company, and AMPCO (Figures ES-1 and ES-2).

Previous sampling activities at SLC2 indicated the need for interior cleanings at the Artistic Printing building, Frank Edwards building, and the UP&L switch house. In addition, the preliminary findings showed a need for soil removal within the UP&L yard and additional investigation within the AMPCO parking lot (CDM 2003a).

The Environmental Engineering Division (DTS-33) of the U.S. Department of Transportation's John A. Volpe National Transportation Systems Center (Volpe Center) and its contractor (CDM) have been providing environmental engineering and contaminant removal support to EPA on various Libby sister sites throughout EPA Region 8. This report details the removal oversight activities that CDM performed at the SLC2 site between April 14, 2004 and March 8, 2005.

1.1 Objectives

The primary objectives of the removal action oversight activities performed by CDM at SLC2 were:

AMPCO Parking Lot

- Collect subsurface soil samples beneath the AMPCO parking lot to characterize the area for LA asbestos

Artistic Printing Building

- Conduct interior pre-design inspection (PDI) sampling in the Artistic Printing building
- Conduct oversight of interior cleaning activities at the Artistic Printing building
- Collect all environmental samples required to support removal activities (personal and stationary air, dust, soil, and water)

- Conduct oversight of remediation contractor to ensure compliance with health and safety procedures

Frank Edwards Building

- Conduct oversight of interior cleaning activities at the Frank Edwards building
- Collect all environmental samples required to support removal activities (personal and stationary air, dust, soil, and water)
- Conduct oversight of remediation contractor to ensure compliance with health and safety procedures

Utah Power and Light Switch House

- Conduct oversight of interior cleaning activities at the UP&L switch house
- Collect all environmental samples required to support removal activities (stationary air and soil)
- Conduct oversight of remediation contractor to ensure compliance with health and safety procedures

Utah Power and Light Yard

- Collect soil samples in the UP&L yard to characterize the area for LA asbestos
- Conduct oversight of exterior removal activities
- Collect all environmental samples required to support removal activities (stationary air and soil)
- Conduct oversight of remediation contractor to ensure compliance with health and safety procedures

Section 2
Removal Activities Summary

Removal activities at the SLC2 site included subsurface soil sampling at the AMPCO parking lot and UP&L yard, as well as interior cleanings at the Artistic Printing building, the Frank Edwards building, and the UP&L switch house. This section discusses the activities at each of these locations.

2.1 AMPCO Parking Lot

Twenty-two subsurface soil samples (including one field duplicate) were collected using direct push technology (DPT) from the AMPCO parking lot on April 14, 2004. All sampling was conducted in accordance with the Final Draft Response Action Work Plan (RAWP) (CDM 2003B) with specific details described in a technical memorandum from CDM to Volpe written in April 13th, 2004 (CDM 2004a). The parking lot was divided into 7 sub-sampling areas (Figure 2-1). Three samples (one from each of three depths) were collected from each sub-area. Each sample consisted of five composite subsamples.

At the time of sample collection it was observed that fill material covered the native soil. Based on this observation, samples were collected from three distinct depths to characterize the area. Those depths were fill material, 0-6 inches below fill material, and 6-12 inches below fill material. Table 2-1 is a summary of the samples collected at each location. Sample results are discussed in Section 3.

During the DPT sampling activities, two personal air samples (SLR-00003 and SLR-00010) were collected on the CDM field team member to assess any potential exposure to LA asbestos during soil sampling procedures. Those two samples, along with one field blank (SLR2-00011) were submitted for analysis. The results of these samples are discussed in Section 3.

Details of these sampling activities can be found in the field sample data sheets (FSDS) and field logbook notes in Appendices B and C.

2.2 Artistic Printing

Interior cleaning activities at the Artistic Printing building were conducted between April 15 and May 29, 2004.

Exterior containment construction began April 15th and was completed on April 16th. This included construction of an exclusion zone delineated by a 6-foot high chain-link fence covered in two layers of 6-millimeter (mil) thick poly and extending approximately 25 feet north of the east loading bay. In addition, all exterior windows were covered in 6-mil poly.

EPA and Volpe coordinated with the owner of Artistic Printing to minimize the amount of operational down time due to the interior cleaning activities. To accommodate this agreement, the interior of the building was divided into multiple sub-areas (i.e., containments). This allowed EPA to conduct interior cleaning activities in portions of the building while business operations continued in other parts of the building. The interior was dividing into ten containment areas (Figure 2-2).

- Inventory Storage Area
- Binding Room
- Break Room
- East Loading Bay
- South Storage Area
- Office Area
- Press Room
- Pre-Press Room Attic
- Ink Room
- Office Attic

Interior cleaning activities were conducted in accordance with the Final Draft RAWP (CDM 2003b) and all ten containment areas were cleaned. In general these activities consisted of: identification of items for disposal by the owner and documentation of the items by the removal contractor Environmental Restoration, Inc. (ER); construction of exclusion zone containment; inspection of containment; collection of personal air samples; wiping each item, the walls, and floors with a wet cloth; HEPA vacuuming each item, the walls, and floors; inspection of area after cleaning; application of encapsulant; inspection of area prior to collection of clearance samples; collection of clearance samples; and restoration of the area.

After individual items were cleaned, they were removed from the containment, wrapped in poly, and stored in tractor trailers in the AMPCO parking lot. Daily indoor cleaning oversight notes and details of sampling in each containment area can be found in Appendices D and E.

Personal, stationary, and clearance air samples were collected in conjunction with interior cleaning activities to assess health and safety, monitor engineering controls, and to determine if a containment area was cleaned to meet the project specific clearance criteria. These samples were collected in accordance with the Final Draft RAWP (CDM 2003b). All sampling results are discussed in Section 3.

In addition to the interior cleaning activities, one soil sample was collected from the roof of the Artistic Printing building on May 6, 2004. This sample was collected due to statements from the owner regarding visible vermiculite being present in dust that had collected on the roof of the building. The result for this sample is discussed in Section 3.

2.3 Frank Edwards Building

Three dust samples were collected in December 2003 for initial site characterization of the Frank Edwards building. Two of these samples demonstrated the need for further

sampling in the north and south buildings. The other dust sample collected in December 2003, from the west building, was nondetect for LA asbestos. Based on this result, no further sampling or cleaning activities were performed in the west building. Five background air samples and five dust samples were collected on May 4, 2004 in the Frank Edwards building to collect background data and further delineate the areas of contamination. Air samples were analyzed for LA asbestos content by transmission electron microscopy (TEM) using Asbestos Hazard Emergency Response Act (AHERA) counting methods (AHERA 2002), while dust samples were analyzed by TEM, using AHERA counting protocols in accordance by American Society for Testing and Materials (ASTM) methods (ASTM 1995). The results for these samples are discussed in Section 3.

Based on the results of the May 4th sampling, the interior was divided into 6 containment areas (Figure 2-3).

- North Building Northeast
- North Building Northwest
- North Building Southeast
- North Building Southwest
- South Building East
- South Building West

Interior cleaning activities at the Frank Edwards building began on June 1, 2004 and were completed on June 22, 2004. Interior cleaning activities were conducted in accordance with the Final Draft RAWP (CDM 2003b). In general these activities consisted of: construction of area containment; inspection of containment; collection of personal air samples; wiping each item, the walls, and floors with a wet cloth; cleaning with a HEPA vacuum on each item, the walls, and floors of each area; removal of carpeting; pressure washing ceilings, walls, and floors in open areas; removal of drop ceiling tiles; inspection of area after cleaning; application of encapsulant; inspection of area prior to collection of clearance samples; collection of clearance samples; and restoration of the area.

After individual items were cleaned, they were removed from the containment, wrapped in poly, and stored in tractor trailers in the AMPCO parking lot. Daily indoor cleaning oversight notes and details of sampling in each containment area can be found in Appendices F and G.

Personal, stationary, and clearance air samples were collected in conjunction with interior cleaning activities to assess health and safety, monitor engineering controls, and to determine if a containment area was cleaned to meet the project specific clearance criteria. These samples were collected in accordance with the Final Draft RAWP (CDM 2003b). All sampling results are discussed in Section 3.

2.4 Utah Power and Light Switch House

Interior cleaning activities at the Utah Power and Light Switch House were conducted between August 9 and August 19, 2004.

Exterior containment construction began August 9th and was completed on August 10th. This included construction of an exclusion zone delineated by a 7-foot tall containment area built with 2-inch by 4-inch wooden planks and covered with a layer of 6-mil thick poly around the north stairwell leading to the basement entrance. In addition, all exterior windows were covered in 6-mil poly and a particle board walkway was constructed on top of 6-mil poly outside the structure due to visible vermiculite and amphibole bundles on the ground surface. The walkway encircled the switch house perimeter and extended from containment to the site entrance.

The interior was divided into 2 containment areas (Figure 2-4).

- Basement
- Main level

Interior cleaning activities at the switch house began on August 11th and were completed on August 19th. The interior cleaning activities were conducted in accordance with the Final Draft RAWP (CDM 2003b). In general these activities consisted of: identification of items for disposal by the owner and documentation of the items by the removal contractor (Thermalwest, Inc.); construction of exclusion zone containment; inspection of containment; collection of stationary perimeter samples; wiping each item, the walls, and floors with a wet cloth; HEPA vacuuming each item, the walls, and floors; inspection of area after cleaning; application of encapsulant; use of compressed air and extended negative air filtration during cleaning; inspection of area prior to collection of clearance samples; and collection of clearance samples. No restoration activities were needed. Due to intrinsic electrical hazards and sensitivity of equipment on the main level of the switch house, no encapsulant could be applied in this area.

After individual items were cleaned, they were removed from the containment, wrapped in poly, and stored in tractor trailers in the UP&L yard. Daily indoor cleaning oversight notes and details of sampling in each containment area can be found in Appendices H and I.

Stationary and clearance air samples were collected in conjunction with interior cleaning activities to assess health and safety, monitor engineering controls, and to determine if a containment area was cleaned to meet the project specific clearance criteria. These samples were collected in accordance with the Final Draft RAWP (CDM 2003b). All sampling results are discussed in Section 3.

2.4.1 Utah Power and Light Switch House Crawlspace

Removal activities within the crawlspace were conducted on January 12, 2005. Access was gained by cutting a hole in the concrete foundation on the west side of the switch house. Cleaning methods in this space consisted of vacuuming loose soil to a 6-inch depth, HEPA vacuuming all other surfaces, wet wiping, and applying encapsulate on all structural surfaces. The only dust samples collected during removal activities within the switch house were collected by R&R personnel in the crawlspace

underneath the control room. Two dust samples were collected in accordance with the Final Draft RAWP (CDM 2003B) and analyzed by TEM AHERA (ASTM 1995).

One 5-point composite soil sample was also collected from this area by R&R. It was determined through discussions with EPA and PacifiCorp that the samples collected in the crawlspace by R&R would be considered clearance and the results are discussed in Section 3.

2.5 Utah Power and Light Yard

Excavation activities at the Utah Power and Light Yard were conducted between September 7, 2004 and March 8, 2005.

Containment construction began August 30th and was completed on September 3rd. This included construction of an exclusion zone delineated by a 7-foot high perimeter fence covered with a layer of 6-mil thick poly secured with plastic ties as well as setup of a decontamination trailer (with shower) at an existing site entrance. In addition, all exterior windows in the decon trailer were covered in 6-mil poly and a negative air filtration unit was setup within the trailer.

The yard was divided into 6 sub-areas (Figure 2-5).

- North parking lot
- Main yard
- UTA/railroad spur area
- East roadway
- Capacitor yard
- Switch yard

Excavation activities in the yard began on September 7, 2004 and were completed on March 8, 2005. The excavation activities were conducted in accordance with the Final Draft RAWP (CDM 2003b). In general these activities consisted of: construction of exclusion zone containment; inspection of containment; excavation of LA asbestos contaminated soils by the removal contractor Champion Industrial using both earth movers and an air mover (vacuum truck); collection of stationary perimeter and personal air samples; inspection of areas prior to collection of clearance samples; application of barriers as engineering controls in areas where clearance criteria could not be met; and collection of soil clearance samples. Due to intrinsic electrical hazards throughout the site, certain areas could not be excavated beyond specific depths as referenced in field logbooks (Appendix K).

Prior to taking clearance samples, areas were inspected for visible vermiculite on the surface. Daily excavation oversight notes and details of sampling in each subarea can be found in Appendices J and K.

Stationary perimeter air samples were collected in conjunction with excavation activities to assess health and safety and monitor engineering controls. These samples were collected in accordance with the Final Draft RAWP (CDM 2003b). All sampling results are discussed in Section 3.

Section 3
Sample Analysis and Results

This section discusses the results of all samples collected during removal oversight activities. All samples were collected in accordance with Final Draft RAWP (CDM 2003b) and sample results are summarized in Table 3-1.

3.1 Soil Samples

After collection, soil samples were sent to the CDM close support facility (CSF) where they were processed in accordance with the CSF Soil Preparation Plan (Revision No. 1), Libby, Montana Asbestos Project, Sample Processing (CDM 2004b). Samples were then sent to Reservoirs Environmental where they were analyzed for LA asbestos by polarized light microscopy (PLM) visual estimation in accordance with Syracuse Research Corporation (SRC)-Libby-03 Revision 0 (SRC 2003a), and when appropriate, PLM gravimetric method SRC-Libby-01 Revision 1 (SRC 2003b).

3.1.1 AMPCO Parking Lot Samples

A total of 22 samples, including one field duplicate, were collected and analyzed for asbestos content by the PLM methods described above. Of these samples, only four contained trace concentrations of LA asbestos (< 0.2 %):

- SLR2-0018 - collected from the 0-28" interval in grid 5
- SLR2-0024 - collected from the 0-25" interval in grid 6 (this is the field duplicate of SLR2-0021 which was nondetect for LA asbestos)
- SLR2-0025 - collected from the 0-31" interval in grid 7
- SLR2-0027 - collected from the 37 to 43" interval in grid 7

All other samples were nondetect for LA asbestos.

3.1.2 Artistic Printing Roof Sample

One soil sample was collected from the southwest corner of the Artistic Printing building roof. This sample was processed and analyzed by the methods described above, and was nondetect for LA asbestos.

3.1.3 Utah Power and Light Switch House Crawlspace Sample

One 5-pt. composite soil sample was collected from the crawlspace floor beneath the switch house control room. This sample was analyzed by the methods described above, and was nondetect for LA asbestos.

3.1.4 Utah Power and Light Yard Samples

A total of 23 confirmation samples were collected at the UP&L yard. Soil samples were collected after CDM personnel performed a visual inspection of the area cleaned. If no visible vermiculite was observed, a 5-point confirmation soil sample was collected within the cleaned area. All samples were analyzed by PLM. The action level for confirmation samples is trace < 0.2 % LA asbestos by PLM. If excavation exceeds 12 inches, the action level is <1 % LA asbestos. The corrective action for any sample exceeding the action level is to excavate an additional 6 inches and recollect confirmation samples as necessary. Of the 23 confirmation samples collected, 4 were nondetect for LA asbestos and remainder had trace (<1%) amounts of LA asbestos at depths exceeding 12 inches. Since the various depths to which the yard areas were excavated all exceeded 12 inches, there was no corrective action required.

3.1.4.1 Petroleum-Stained Soil Samples

During excavation activities, vermiculite-containing petroleum-stained soils were encountered along the east perimeter of the site. A toxic characteristic leaching procedure (TCLP) sample was collected by R&R Environmental from petroleum-stained soils that had a strong organic order associated with it. Analytical results for the soil samples indicated that the material could be disposed of with the other LA asbestos contaminated soils. This was in accordance with the waste stream specifications at Clean Harbors Grassy Mountain Facility regulated by the State of Utah. The results of these samples will be addressed in depth in subsequent R&R Environmental reports.

3.2 Air Samples

Two types of air samples were collected during interior cleaning activities (stationary and personal air). These air samples are discussed in the following subsections. All air samples were collected in accordance with the Final Draft RAWP (CDM 2003b).

3.2.1 Stationary Air Samples

Two kinds of stationary air samples were collected in conjunction with the interior cleaning activities. These included perimeter stationary air samples collected to discern if asbestos is migrating outside the exclusion zones, and clearance air samples to ensure that the air meets clearance criteria as determined by EPA and before personnel enter the area without PPE and returned building control to the owner. All stationary air samples were analyzed for LA asbestos content by TEM using AHERA counting methods (AHERA 2002).

3.2.1.1 Artistic Printing

Perimeter Stationary Air Samples

A total of 167 perimeter air samples were collected during interior cleaning activities at the Artistic Printing building. Of the 167 samples, six were collected in the clean-rooms of the decontamination trailers. These six samples were nondetect for LA asbestos. The remaining 161 perimeter air samples were collected adjacent to containment walls or negative air filtration units (NAFU) for each of the containment

areas when clean-up activities were conducted (Figure 3-2). Only four of the 161 samples had any detectable concentrations of LA asbestos (Tables 3-1 and 3-2). These four samples were collected from locations outside the ink room, south storage, binding room, and press room containment areas.

The action level for monitoring air samples is any detectable LA asbestos fibers. The corrective action in each case was for EPA, Volpe, CDM, and ER met to evaluate work practices and engineering controls and make any necessary modifications.

Clearance Air Samples
Five clearance air samples were collected in each of the 10 containment areas. Only one clearance sample had detectable levels of LA asbestos. This sample (SLR2-00356) was collected in the pre-press room attic and had a concentration of 0.0057 structures per cubic centimeter (s/cc). The corrective action for exceeding the action level was to re-clean the containment area and re-collect five additional clearance samples. All five additional clearance samples were nondetect for LA asbestos.

3.2.1.2 Frank Edwards Building

Perimeter Stationary Air Samples
A total of 33 perimeter air samples were collected during interior cleaning activities at the Frank Edwards building. Of the 33 samples, 3 were collected in the clean-rooms of the decontamination trailers. These three samples were nondetect for LA asbestos. The remaining 33 perimeter air samples were collected adjacent to containment walls or NAFU units (Figure 3-3).

North Building - During interior cleaning activities in the north building, perimeter air samples were collected near the entrance of the northwest containment, near the entrance of the southwest containment, and near the NAFU on the east side of the north building (Figure 3-3). All samples were nondetect for LA asbestos (Table 3-3).

South Building - During interior cleaning activities in the south building, perimeter air samples were collected near the entrance of the west containment (Figure 3-3). A total of two samples were collected from this location. Both samples were nondetect for LA asbestos.

3.2.1.3 Utah Power and Light Switch House

Perimeter Stationary Air Samples
A total of 11 perimeter air samples were collected during interior cleaning activities at the UP&L Switch House. All 11 perimeter air samples were collected adjacent to containment walls or NAFU units (Figure 3-4).

Basement - During interior cleaning activities in the basement, perimeter air samples were collected near the entrance of the north containment, near NAFU 1 on the west side of the building, near NAFU 2 on the west side of the building, and between NAFU 1 and 2 on the west side of the building (Figure 3-4). All samples were nondetect for LA asbestos (Table 3-1).

Main Level - During interior cleaning activities on the main level, perimeter air samples were collected near containment at the entrance to the control room on the north side of the building and near NAFU 3 on the south side of the building (Figure 3-4). All samples were nondetect for LA asbestos (Table 3-1).

Clearance Air Samples
Five clearance samples were collected from each containment area for a total of 10 samples. All 10 samples were nondetect for LA asbestos.

3.2.1.4 Utah Power and Light Yard

Perimeter Stationary Air Samples
A total of 13 perimeter air samples were collected outside the exclusion zone during excavation activities at the UP&L Yard. All 13 perimeter air samples were collected in conjunction with R&R Environmental daily perimeter air sampling on a weekly basis from September 10 through December 3, 2004. Stationary air locations were determined by R&R (Figure 3-1) and samples were collected to reflect excavation progress. The action level for monitoring perimeter air samples is any detectable LA asbestos fibers. The corrective action for any exceedance was for EPA, Volpe, CDM and the removal contractor to evaluate work practices and engineering controls. Of the 13 samples collected, 10 were nondetect for LA asbestos (Table 3-1) and three were found to have LA asbestos fibers:

SLR2-0490 (9/24/04)- One LA asbestos fiber (0.0042 fibers per cubic centimeter [s/cm^3]) was observed in this sample. This sample was collected on the east perimeter of the site adjacent to the truck loading area (P3). EPA, Volpe, CDM, R&R, and the removal contractor discussed possibilities as to why an LA asbestos structure was detected in this area. It was determined that insufficient decontamination of the loading pad and limited dust suppression (water application) occurred in the sample area. The action was to emphasize the importance of dust suppression and thorough decontamination of the loading pad when transferring contaminated soil to the trucks.

SLR2-0492 (10/1/04) - 3 LA asbestos fibers (0.0064 fibers per cubic centimeter [s/cm^3]) were observed in this sample. This sample was collected in the break room/job trailer outside the exclusion zone (P6). EPA, Volpe, CDM, R&R, and the removal contractor discussed possibilities as to why an LA asbestos structure was detected in this area. It was determined that insufficient daily decontamination of the decon trailer and removal contractors' clothing during rainy conditions caused the contamination in the sample area. The action was to conduct a thorough decontamination of the job trailer and decon trailer with HEPA vacuuming and wet wiping surfaces.

SLR2-0505 (11/9/04) - One LA asbestos fiber (0.0038 fibers per cubic centimeter [s/cm^3]) was observed in this sample. This sample was collected on the north perimeter of the site immediately south of the water tank (P1). EPA, Volpe, CDM, R&R, and the removal contractor discussed possibilities as to why an LA asbestos structure was detected in this area. It was determined that insufficient dust

suppression occurred in the area being used to stockpile contaminated soil prior to loading which was immediately south of the sample location. The action was to emphasize the importance of dust suppression with the contractor, particularly in areas being used for stockpiling excavated soil.

3.2.2 Personal Air Samples

Personal air samples were collected in combination with soil sampling at the AMPCO parking lot, and interior cleaning activities at both the Artistic Printing building and Frank Edwards building. All personal air samples were collected in accordance with the Final Draft RAWP (CDM 2003b) and analyzed by phase contract microscopy (PCM) (NIOSH 7400). At the direction of EPA, personal air samples were not collected during the UP&L cleanup activities.

3.2.2.1 AMPCO Parking Lot Soil Sampling

Two time weighted average (TWA) personal air samples were collected during subsurface soil sampling activities at the AMPCO parking lot (SLR2-00003 and SLR2-00010). The PCM results for these samples were 0.017 and 0.019 fibers per cubic centimeter (f/cc). The calculated TWA for both these results is 0.017 f/cc., which is below the Occupational Safety and Health Administration (OSHA) TWA standard of 0.1 f/cc.

3.2.2.2 Artistic Printing

Thirteen personal air samples were collected between April 19 and April 30, 2004 in conjunction with interior cleaning activities at the Artistic Printing building. TWA and excursion (30 minutes) personal air samples were collected on one designated removal contractor employee each day. In that time period, the highest TWA and excursion results were 0.01 f/cc and 0.067 f/cc respectively. Since all results were well below the OSHA permissible exposure limits (PEL) of 0.1 f/cc (TWA) and 1.0 f/cc (excursion), EPA determined that no additional personal air samples needed to be collected during the Artistic Printing interior cleaning activities as is discussed in Appendix A.

3.2.2.3 Frank Edwards Building

Eleven personal air samples were collected over a seven-day period (May 10th to May 12th, June 7th to June 9th, and June 11th) during interior cleaning activities at the Frank Edwards Building. In that time period, the highest TWA and excursion results were 0.013 f/cc and 0.0205 f/cc respectively. Based on these results, EPA determined that no additional samples needed to be collected during the Frank Edwards Building interior cleaning activities.

3.3 Dust Samples

Dust samples were collected during the interior cleaning activities at the Artistic Printing Building as well as prior to interior cleaning activities at the Frank Edwards Building. Dust samples were collected in accordance with the Final Draft RAWP (CDM 2003B) and analyzed by TEM AHERA (ASTM 1995).

3.3.1 Artistic Printing

On April 16th, 2004, a dust sample (SLR2-00029) was collected from office attic area of the Artistic Printing building to determine if an interior cleaning was required in this area. The LA asbestos concentration of this sample was 170,000 s/cm^2.

In addition a total of 4 dust samples were collected as clearance samples on machinery cleaned in the press room and binding room. These samples were nondetect for LA asbestos.

3.3.2 Frank Edwards Building

On May 4th, 2004, five dust samples were collected from the Frank Edwards building to collect background data and further delineate the areas of contamination. Based on these samples, the Frank Edwards building was divided into six containment areas and cleaned as described in Section 2. Below is a summary of the samples locations and the sample results.

Summary of Dust Samples Collected from the Frank Edwards Building

Index ID	Location Description	Sample Result (s/cm^2)
SLR2-00163	North building office	<30
SLR2-00164	North building ceiling tiles	910
SLR2-00165	South building east side	2,500
SLR2-00166	South building west side	910
SLR2-00167	North building high bay	300

3.3.3 Utah Power and Light Switch House Crawlspace

On January 12, 2005 two dust samples were collected from the UP&L switch house crawlspace as clearance samples for this area. After discussions between UDEQ, EPA, and R&R it was determined that dust sampling could be used to clear this area rather than ambient air sampling due to the confined and inaccessible nature of the crawlspace. The action level for interior dust samples is > 5,000 LA s/cm^2 and since the maximum result of the two samples collected was 250 s/cm^2, the area was considered cleared. Below is a summary of the samples locations and the sample results.

Summary of Dust Samples Collected from the Utah Power and Light Switch House Crawlspace		
R&R Environmental Index ID	**Location Description**	**Sample Result (s/cm^2)**
3W-C-06	Composite from structural surfaces in crawlspace	250
3W-C-07	Composite from structural surfaces in crawlspace	<250

3.4 Water Samples

One water sample was collected from the decontamination gray water. One LA asbestos structure was detected in the sample for a concentration of 910,000 structures per liter (s/L). Since the action level for LA asbestos concentration in water is 7 million structures per liter (s/L), no action was required and the gray water was discharged into the storm sewer.

Section 4
Site Restoration

4.1 Artistic Printing

Site restoration begins with the removal of the constructed containment areas. After removal of the containment materials, items that were placed in tractor trailers for storage were unloaded beginning on June 4, 2004, and returned to the Artistic Printing building. Restoration at the Artistic Printing building was completed on June 1st, and access to the building was returned to the owner on June 4, 2004.

4.2 Frank Edwards Building

Site restoration began with the removal of the constructed containment areas. After removal of the containment materials, ceiling tile removed from the drop ceiling areas were replaced. Restoration at the Artistic Printing building was completed on June 23, 2004.

4.3 Utah Power and Light Yard

Site restoration began with the removal of the constructed containment areas. After removal of the containment materials, Champion Industrial began backfilling excavated areas with common fill to within 6 inches of grade. In the energized portions of the site (switch yard and capacitor yard), the excavated areas were backfilled with gravel to original grade. Restoration at the UP&L yard was completed on April 15, 2005.

Section 5
References

AHERA 2002. Asbestos Hazard Emergency Response Act 40 CFR (Protection of Environment) Chapter I (Environmental Protection Agency) Subchapter R (Toxic Substances Control Act) Part 763 (Asbestos) Subpart E (Asbestos Containing Materials in Schools) Appendix A (Interim Transmission Electron Microscopy Analytical Methods - Mandatory and Non-mandatory - and Mandatory Section to Determine Completion of Response Actions). Source is the Federal Register 2 FR 41846, October, 1987 Data current as of the Federal Register Dated May 20, 2002.

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NIOSH 1994. NIOSH 7400- Asbestos and Other Fibers by Phase Contrast Microscopy (PCM). NIOSH Manual of Analytical Methods, Fourth Edition, Revision #3. Issue 2. August 15.

CDM 2003a. Summary Addendum Report, Revision 1, Former Vermiculite Intermountain Facility.

_____. 2003b. Final Draft Response Action Work Plan for the Libby Asbestos Project. November.

_____. 2004a. Proposed Sampling Activities for the AMPCO Parking Lot, SLC2. Technical Memorandum. April.

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

_____. 2003a Analysis of Asbestos Fibers in Soil by Polarized Light Microscopy. SRC-LIBBY-03 (Rev. 0). March 3, 2003.

_____. 2003b Qualitative Estimation of Asbestos in Coarse Soil by Visual Examination Using Stereomicroscopy and Polarized Light Microscopy. SRC-LIBBY-01 (Rev. 1). May 20, 2003.

Figures

Color Map(s)

The following pages contain color that does not appear in the scanned images.

To view the actual images, please contact the Superfund Records Center at (303) 312-6473.

Figure ES-1

Site Location Map

Former Vermiculite Intermountain Facility
Libby Sister Site SLC2
Salt Lake City, UT

Legend

Approximate Boundary of Former Processing Building

SLC2 Site

N
W E
S

Feet
0 250 500 1,000

CDM

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Figure ES-2

Site Map
Former Vermiculite Intermountain Facility
Libby Sister Site SLC2
Salt Lake City, UT

Legend

- Building Outline
- Site Boundary
- Approximate Boundary of Former Processing Buliding

N
W E
S

Feet
0 25 50 75 100

CDM

Mapfilename: 2607-Volpe/207-Salt Lake/gis/040806_Figure 1-2.mxd

AMPCO PARKING LOT SOIL RESULTS			
Grid	Fill Material	Native 1	Native 2
1	ND *0 - 38"*	ND *38" - 44"*	ND *44" - 50"*
2	ND *0 - 15"*	ND *15" - 21"*	ND *21" - 27"*
3	ND *0 - 13"*	ND *13" - 19"*	ND *19" - 25"*
4	ND *0 - 34"*	ND *34" - 40"*	ND *40" - 46"*
5	Tr *0 - 28"*	ND *28" - 34"*	ND *34" - 40"*
6	ND *0 - 25"*	ND *25" - 31"*	ND *31" - 37"*
7	Tr *0 - 31"*	ND *31" - 37"*	Tr *37" - 43"*

Depths (inches) are approximate below ground surface
Soil samples analyzed by PLM (NIOSH 9002)
Native 1 Native layer approximately 0 to 6 inches below fill material
Native 2 Native layer approximately 6 to 12 inches below fill material
" inches
ND Nondetect
Tr Trace (< 0.2%) Libby Amphibole Asbestos

Figure 2-1
AMPCO Parking Lot
Soil Sample Location Map
Vermiculite Intermountain Facility
Libby Sister Site SLC2
Salt Lake City, UT

Legend

- Approximate Subsample Location
- Approximate Sampling Grid Location
- Building Outline
- Site Boundary
- Approximate Boundary of Former Processing Buliding

N
W E
S

Feet
0 25 50 75 100

CDM

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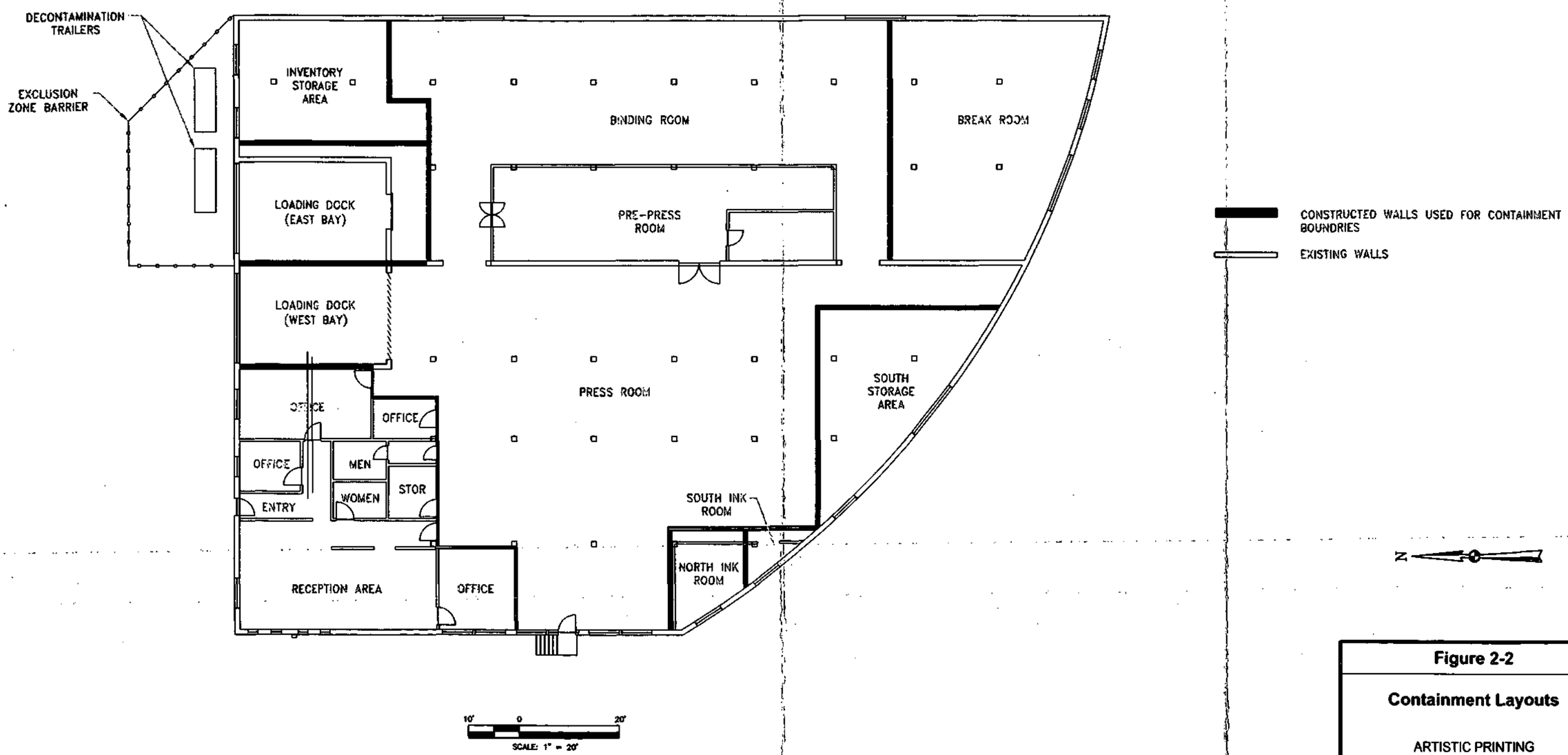

Figure 2-2

Containment Layouts

ARTISTIC PRINTING
SALT LAKE CITY, UTAH

CDM

Color Chart(s)

The following pages contain color that does not appear in the scanned images.

To view the actual images, please contact the Superfund Records Center at (303) 312-6473.

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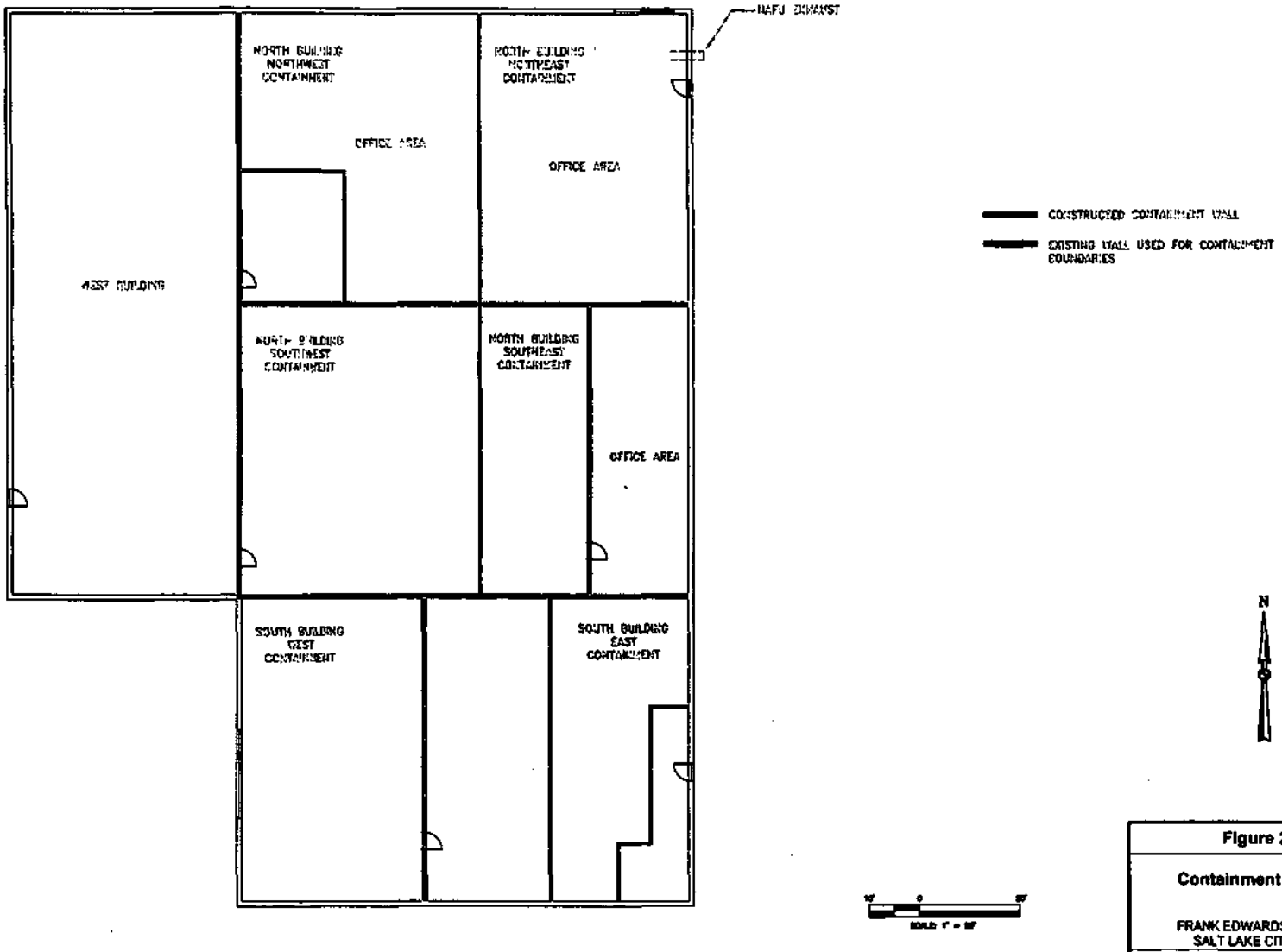
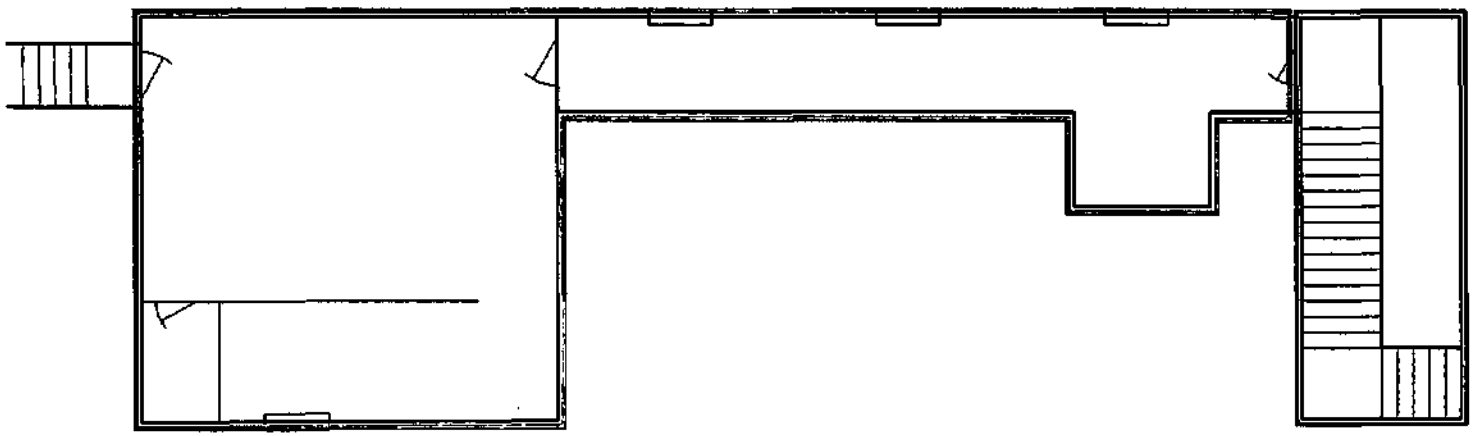


Figure 2-3

Containment Layouts

FRANK EDWARDS BUILDING
SALT LAKE CITY, UTAH

CDM



LEGEND

CONSTRUCTED CONTAINMENT WALL

EXISTING WALL USED FOR CONTAINMENT BOUNDARIES

NOT TO SCALE

Figure 2-4

Containment Layout

UP & L SWITCH HOUSE
SALT LAKE CITY, UTAH

CDM

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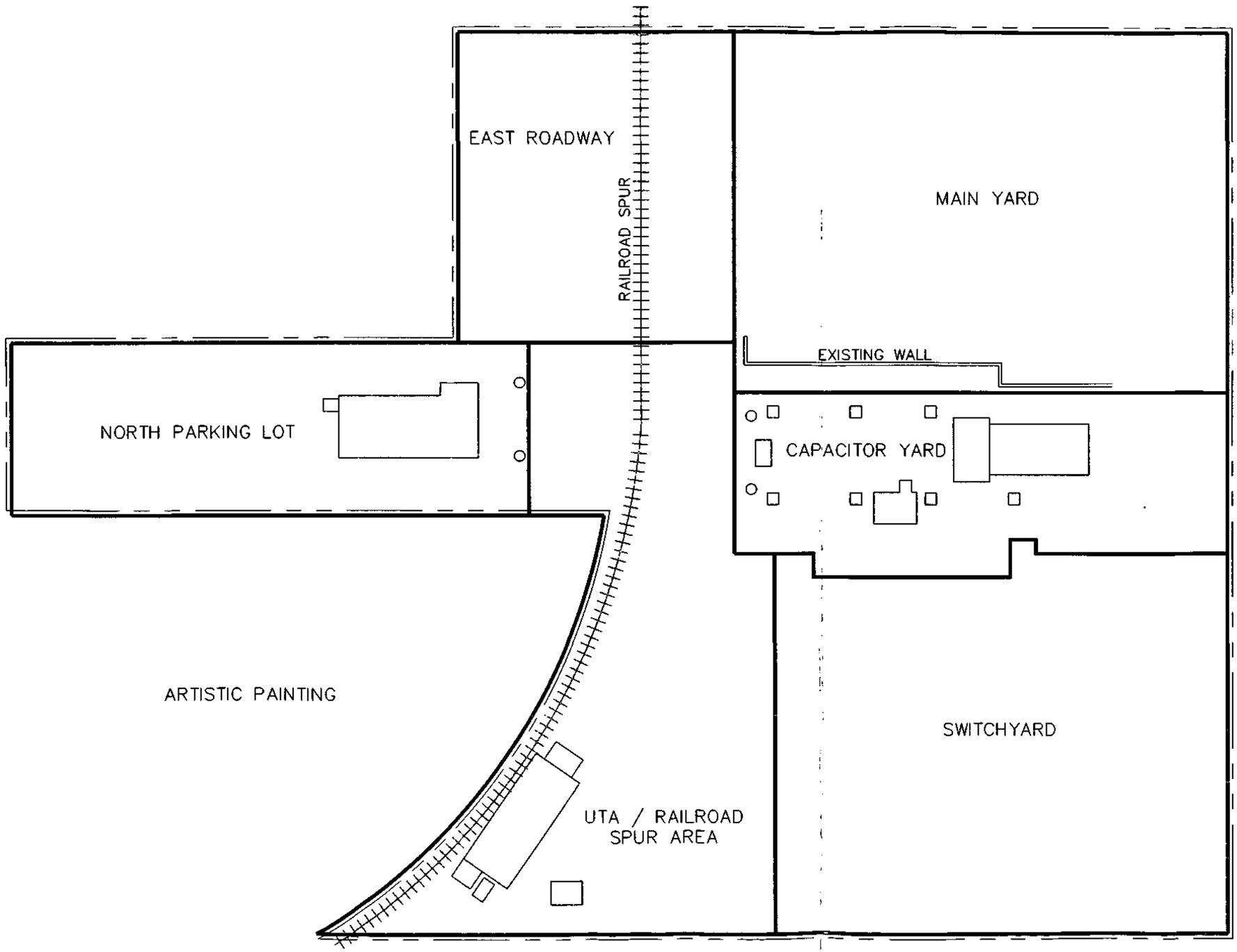

SUB-AREA BOUNDARY

EXISTING STRUCTURE

PROPERTY BOUNDARY

N

15 0 30

SCALE: IN FEET

Figure 2-5

UP & L Yard Sub-Areas

SALT LAKE CITY, UTAH

CDM

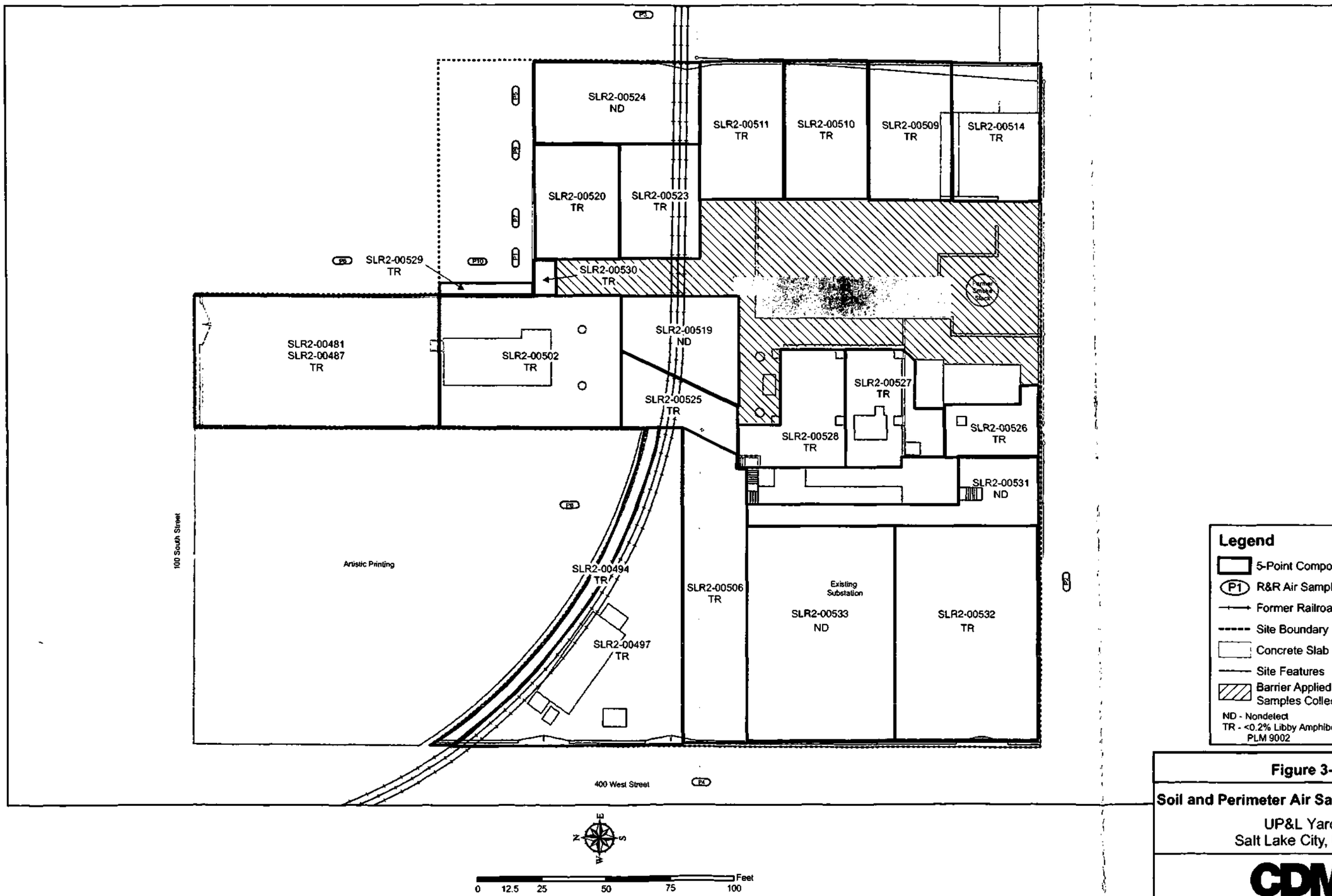

Figure 3-1

Soil and Perimeter Air Sample Locations

UP&L Yard
Salt Lake City, Utah

CDM

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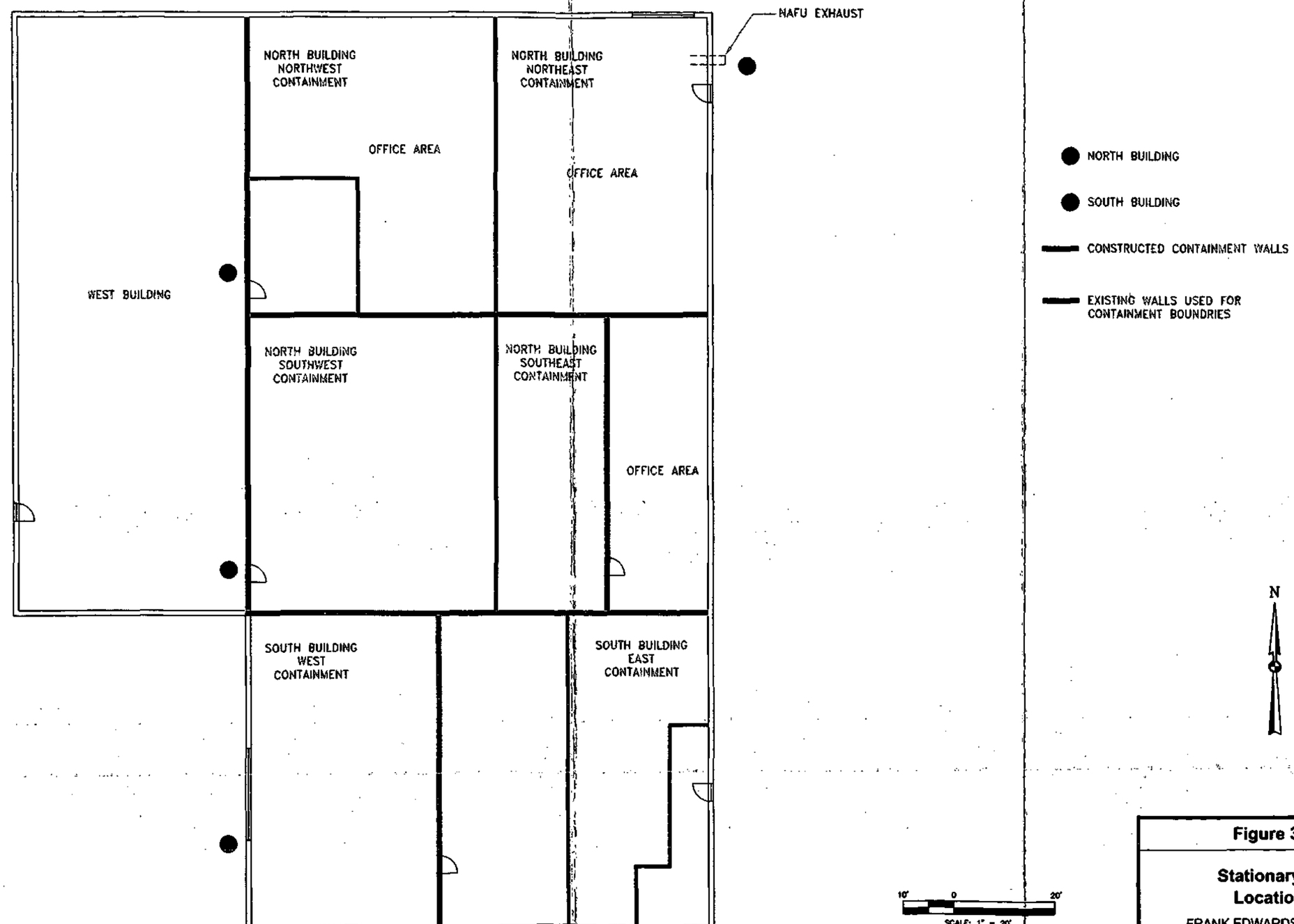

Figure 3-2

Stationary Air Locations

FRANK EDWARDS BUILDING
SALT LAKE CITY, UTAH

CDM

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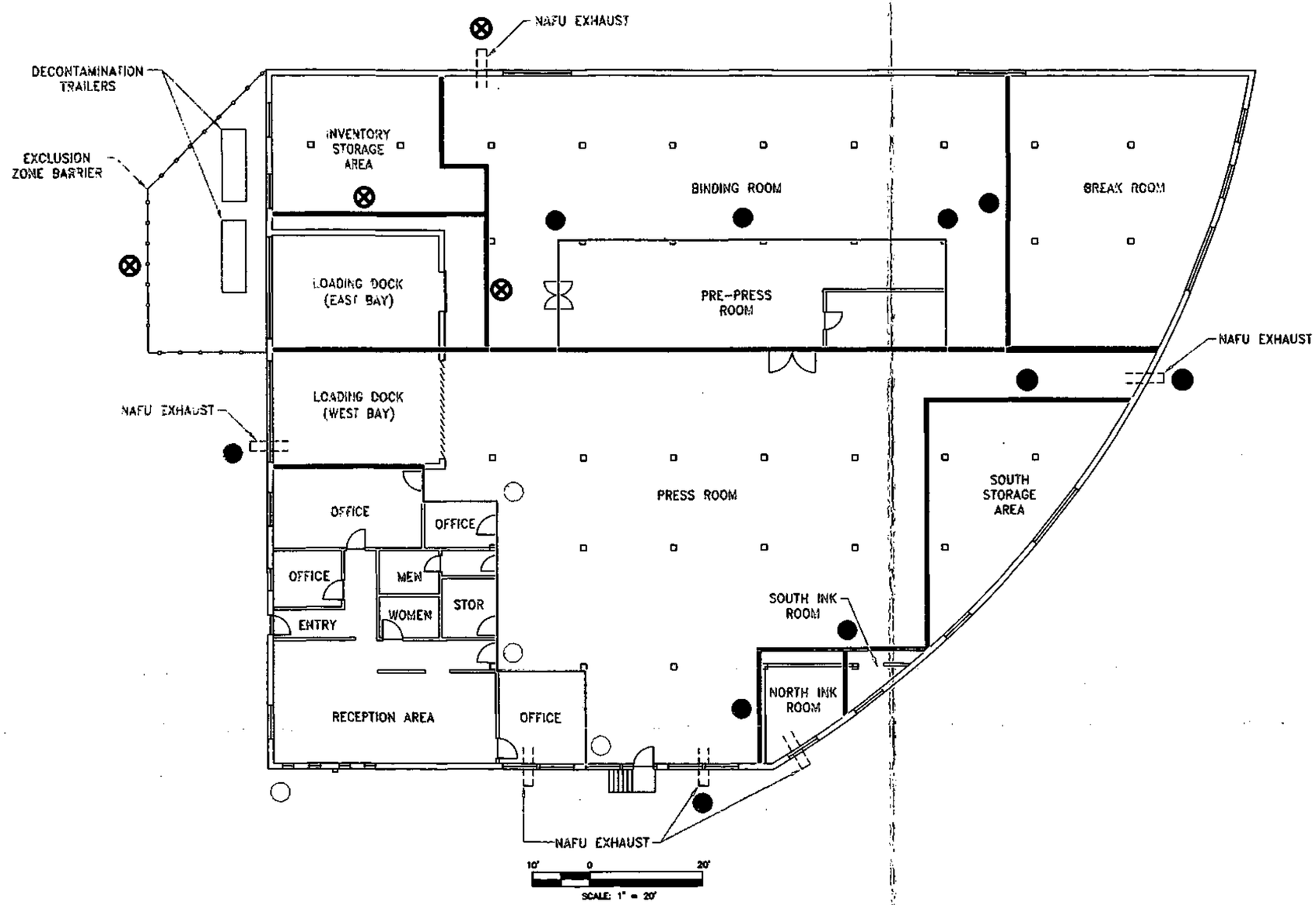

WEST LOADING BAY

SOUTH STORAGE AREA

INK ROOM

PRE-PRESS ROOM ATTIC

BREAK ROOM

BINDING ROOM AND PRE-PRESS ROOM

OFFICE AND OFFICE ATTIC

CONSTRUCTED CONTAINMENT WALLS

EXISTING WALLS USED FOR CONTAINMENT BOUNDRIES

N

Figure 3-3

Stationary Air Locations

ARTISTIC PRINTING BUILDING
SALT LAKE CITY, UTAH

CDM

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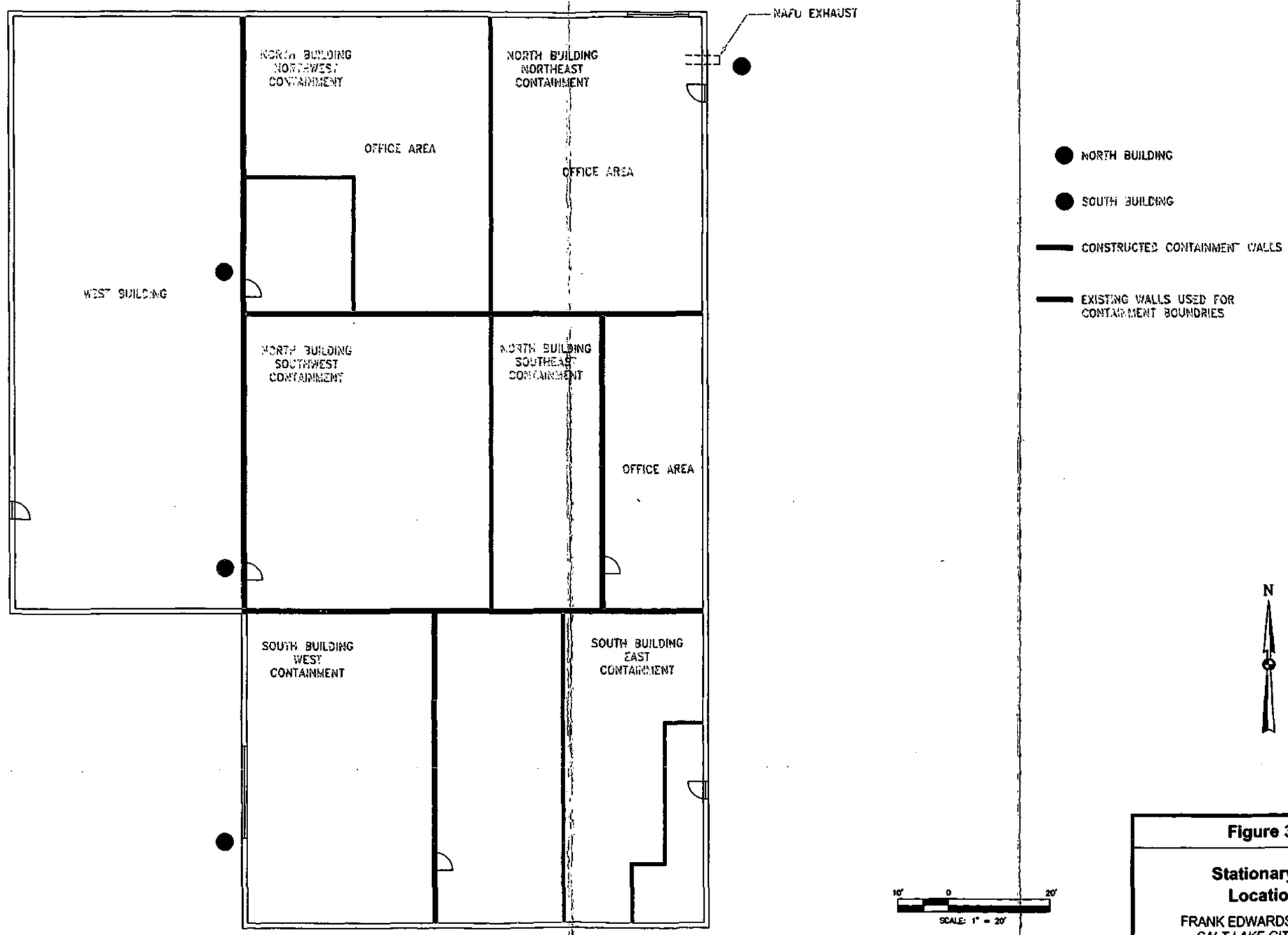

Figure 3-4

Stationary Air Locations

FRANK EDWARDS BUILDING
SALT LAKE CITY, UTAH

CDM

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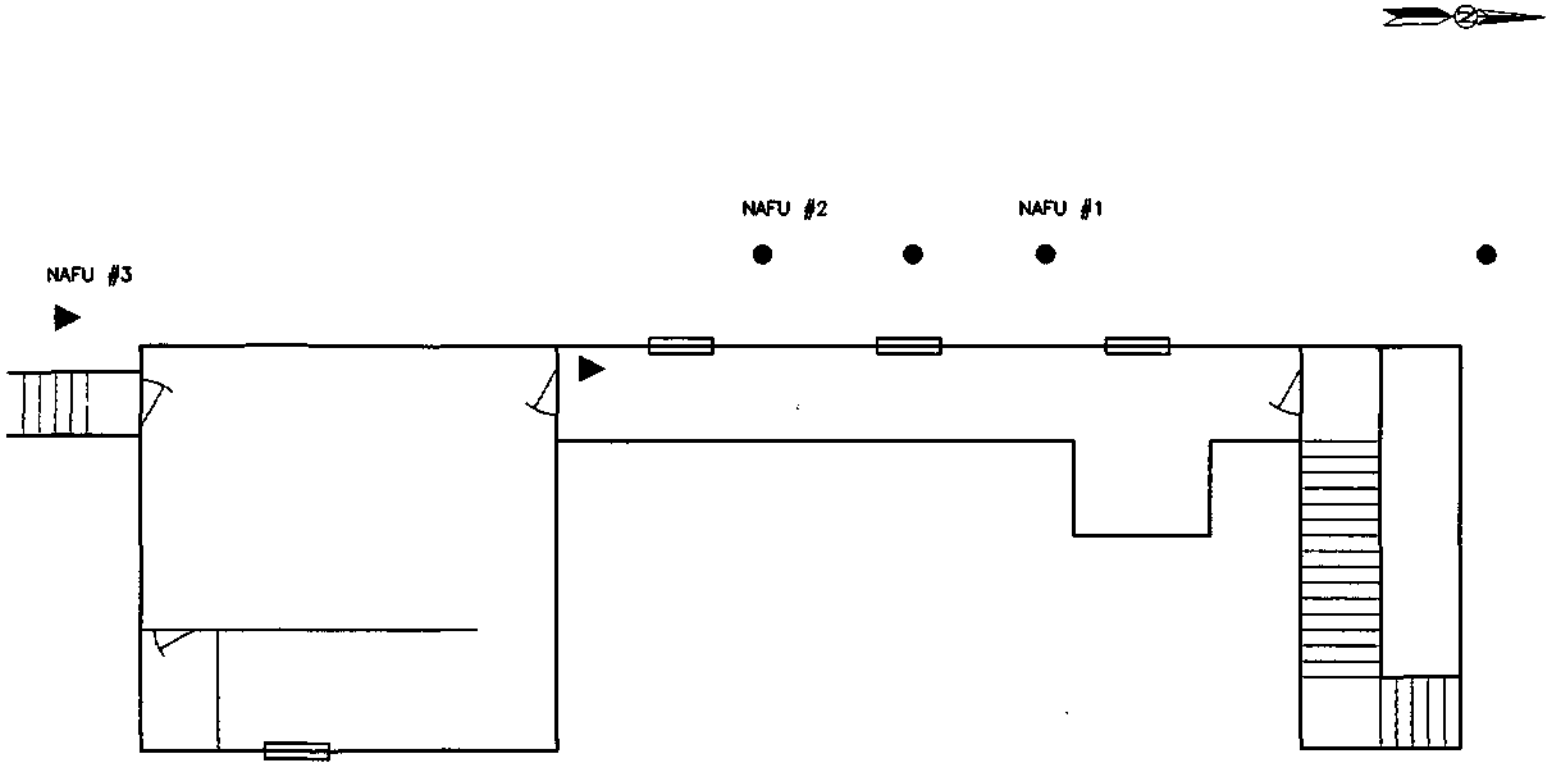

LEGEND

● BASEMENT SAMPLE

▲ UPSTAIRS SAMPLE

NOT TO SCALE

Figure 3-5

Stationary Air Sampling Locations

UP & L SWITCH HOUSE
SALT LAKE CITY, UTAH

CDM

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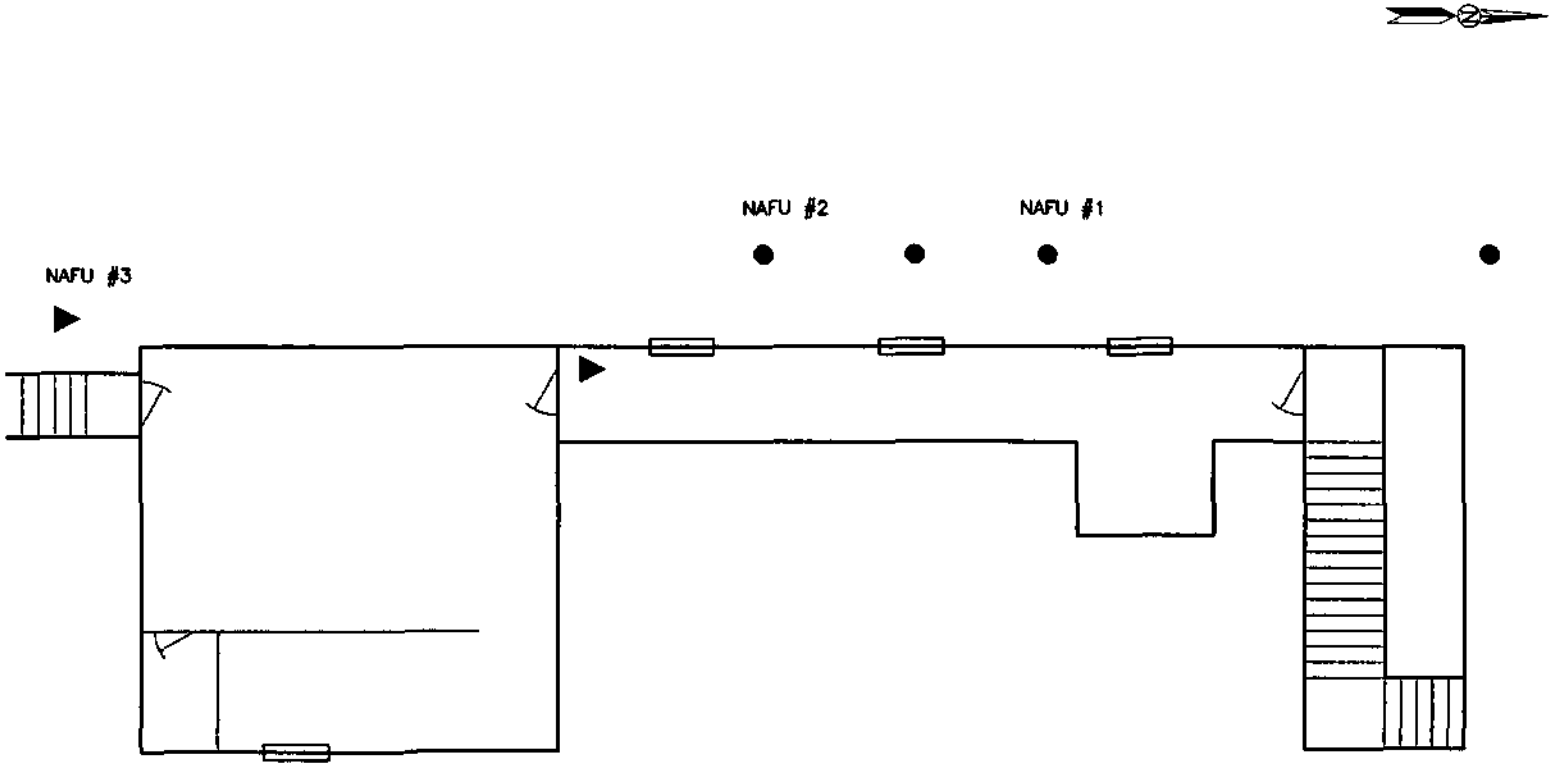

LEGEND

● BASEMENT SAMPLE

▲ UPSTAIRS SAMPLE

NOT TO SCALE

Figure 3-5

Stationary Air Sampling Locations

UP + L SWITCH HOUSE
SALT LAKE CITY, UTAH

CDM

Tables

Table 2-1
AMPCO Parking Lot Soil Sample Collection Key

Index ID	Sample Location	Sample Depth (inches bgs)	Matrix Type
SLR2-00004	Grid 1	0-38	Fill
SLR2-00005		38-44	Subsurface Soil
SLR2-00006		44-50	
SLR2-00007	Grid 2	0-15	Fill
SLR2-00008		15-21	Subsurface Soil
SLR2-00009		21-27	
SLR2-00012	Grid 3	0-13	Fill
SLR2-00013		13-19	Subsurface Soil
SLR2-00014		19-25	
SLR2-00015	Grid 4	0-34	Fill
SLR2-00016		34-40	Subsurface Soil
SLR2-00017		40-46	
SLR2-00018	Grid 5	0-28	Fill
SLR2-00019		28-34	Subsurface Soil
SLR2-00020		34-40	
SLR2-00021	Grid 6	0-25	Fill
SLR2-00022		25-31	Subsurface Soil
SLR2-00023		31-37	
SLR2-00024		0-25	Fill
SLR2-00025	Grid 7	0-31	Fill
SLR2-00026		31-37	Subsurface Soil
SLR2-00027		37-43	

Table 3-2 Summary of Perimeter Air Samples Collected During Removal Activities at Artistic Printing

Location of Sample	Number of Samples Collected	Number of Samples with LA Detected	Concentration (S/cc)
East Loading Bay Containment Area			
East side of containment	6	0	n/a
South side of containment	6	0	n/a
North side of exterior containment	6	0	n/a
NAFU on East side of building	6	0	n/a
Total	24	0	--
Ink Room Containment Area			
E side of containment	9	0	n/a
N side of containment	11	1	0.0033
NAFU on W side of building	7	0	n/a
Total	27	1	--
South Storage Containment Area			
E side of containment	6	1	0.0033
NAFU on S side of building	4	0	n/a
Total	10	1	--
Break Room Containment Area			
North side of containment	4	0	n/a
Total	4	0	--
Inventory Storage Containment			
S side of containment	6	0	n/a
E side of E loading dock	8	0	n/a
E loading dock wall	4	0	n/a
NAFU on E side of building	4	0	n/a
Total	22	0	--
Pre-Press Room Containment Area			
E side of containment	1	0	n/a
NE side of containment	9	0	n/a
SE side of containment	9	0	n/a
Total	19	0	--
Office and Office Attic Containment Areas			
SW side of containment	3	0	n/a
SE side of containment	8	0	n/a
Outside NW corner of building	3	0	n/a
Worker entrance to office area	5	0	n/a
Outside between office and west loadi	5	0	n/a
Total	24	0	--
Binding Room and Press Room Containment Areas			
Between E and W loading dock	13	1	0.0073
NAFU on N side of building	12	1	0.0083
Outside W building entrance	6	0	n/a
Total	31	2	--
Sum	161	4	--

Table 3-3 Summary of Perimeter Air Samples Collected During Removal Activities at Frank Edwards

Location of Sample	Number of Samples Collected	Number of Samples with LA Detected	Concentration (S/cc)
North Building			
NW containment entry	9	0	n/a
SW containment entry	9	0	n/a
NAFU E side of N building	10	0	n/a
Total	28	0	
South Building			
W side of containment	2	0	n/a
Total	2	0	

Table 3-4 Summary of Perimeter Air Samples Collected During Removal Activities at the Utah Power and Light Switch House

Location of Sample	Number of Samples Collected	Number of Samples with LA Detected	Concentration (S/cc)
Basement			
North containment entry	3	0	n/a
NAFU #1	1	0	n/a
NAFU #2	1	0	n/a
Between NAFU 1 & 2	3	0	n/a
Total	8	0	n/a
Main Level			
North containment entry	1	0	n/a
NAFU #3	1	0	n/a
Total	2	0	n/a

Table 3-5 Summary of Perimeter Air Samples Collected During Removal Activities at the Utah Power and Light Yard

Location of Sample	Number of Samples Collected	Number of Samples with LA Detected	Concentration (S/cc)
Utah Power and Light Yard			
North perimeter (P1)	5	1	0.0038
South perimeter (P2)	2	0	n/a
East perimeter (P3)	4	1	0.0042
West perimeter (P4)	1	0	n/a
Office trailer (P6)	1	1	0.0064
Total	13	3	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00001	4/12/2004	NA	Lot Blank	0	--	--	--	<70.1	--
SLR2-00002	4/12/2004	NA	Lot Blank	0	--	--	--	<70.1	--
SLR2-00003	4/14/2004	AMPCO Parking Lot	Personal Air-TWA	344	0.014	--	--	--	--
SLR2-00004	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00005	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00006	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00007	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00008	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00009	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00010	4/14/2004	AMPCO Parking Lot	Personal Air-EXC	604	0.019	--	--	--	--
SLR2-00011	4/14/2004	AMPCO Parking Lot	Field Blank	0	--	--	--	<70.1	--
SLR2-00012	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00013	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00014	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00015	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00016	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00017	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00018	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	TR	--	--
SLR2-00019	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00020	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00021	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00022	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00023	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00024	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	TR	--	--
SLR2-00025	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	TR	--	--
SLR2-00026	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	ND	--	--
SLR2-00027	4/14/2004	AMPCO Parking Lot	Soil	NA	--	--	TR	--	--
SLR2-00028	4/16/2004	Artistic Printing	Dust	0	--	--	--	<240	--
SLR2-00029	4/16/2004	Artistic Printing	Dust	200	--	--	--	170,000	--
SLR2-00030	4/19/2004	Artistic Printing	Personal Air-TWA	344	<0.008	--	--	--	--
SLR2-00031	4/19/2004	Artistic Printing	Perimeter Air	770	--	<0.0045	--	--	--
SLR2-00032	4/19/2004	Artistic Printing	Perimeter Air	1056	--	<0.0033	--	--	--
SLR2-00033	4/19/2004	Artistic Printing	Perimeter Air	1056	--	<0.0033	--	--	--
SLR2-00034	4/19/2004	Artistic Printing	Perimeter Air	1031	--	<0.0034	--	--	--
SLR2-00035									
SLR2-00036	4/20/2004	Artistic Printing	Personal Air-EXC	68	<0.040	--	--	--	--
SLR2-00037	4/20/2004	Artistic Printing	Personal Air-TWA	140	0.033	--	--	--	--
SLR2-00038	4/20/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00039	4/20/2004	Artistic Printing	Personal Air-TWA	279	0.02	--	--	--	--
SLR2-00040	4/20/2004	Artistic Printing	Personal Air-TWA	245	0.016	--	--	--	--
SLR2-00041									
SLR2-00042	4/20/2004	Artistic Printing	Perimeter Air	868	--	<0.0040	--	--	--
SLR2-00043	4/20/2004	Artistic Printing	Perimeter Air	853	--	<0.0041	--	--	--
SLR2-00044	4/20/2004	Artistic Printing	Perimeter Air	1160	--	<0.0030	--	--	--
SLR2-00045	4/20/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00046	4/20/2004	Artistic Printing	Personal Air-EXC	65	0.049	--	--	--	--
SLR2-00047	4/21/2004	Artistic Printing	Personal Air-TWA	228	0.012	--	--	--	--
SLR2-00048	4/21/2004	Artistic Printing	Personal Air-EXC	69	0.057	--	--	--	--
SLR2-00049	4/21/2004	Artistic Printing	Personal Air-TWA	448	0.015	--	--	--	--
SLR2-00050									
SLR2-00051	4/22/2004	Artistic Printing	Personal Air-EXC	66	<0.041	--	--	--	--
SLR2-00052	4/21/2004	Artistic Printing	Personal Air-TWA	301	<0.009	--	--	--	--
SLR2-00053	4/22/2004	Artistic Printing	Personal Air-TWA	313	0.009	--	--	--	--
SLR2-00054	4/21/2004	Artistic Printing	Personal Air-EXC	67	<0.040	--	--	--	--
SLR2-00055	4/21/2004	Artistic Printing	Perimeter Air	1318	--	<0.0033	--	--	--
SLR2-00056	4/21/2004	Artistic Printing	Perimeter Air	1285	--	<0.0034	--	--	--
SLR2-00057	4/21/2004	Artistic Printing	Perimeter Air	1277	--	<0.0034	--	--	--
SLR2-00058	4/21/2004	Artistic Printing	Perimeter Air	1060	--	<0.0041	--	--	--
SLR2-00059	4/21/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00060	4/22/2004	Artistic Printing	Perimeter Air	1240	--	<0.0047	--	--	--
SLR2-00061	4/22/2004	Artistic Printing	Perimeter Air	1255	--	<0.0046	--	--	--
SLR2-00062	4/22/2004	Artistic Printing	Perimeter Air	1175	--	<0.0043	--	--	--
SLR2-00063	4/22/2004	Artistic Printing	Perimeter Air	1144	--	<0.0044	--	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00064	4/22/2004	Artistic Printing	Perimeter Air	1193	--	<0.0049	--	--	--
SLR2-00065	4/22/2004	Artistic Printing	Perimeter Air	1107	--	<0.0045	--	--	--
SLR2-00066	4/22/2004	Artistic Printing	Perimeter Air	831	--	<0.0047	--	--	--
SLR2-00067	4/22/2004	Artistic Printing	Personal Air-TWA	312	<0.009	--	--	--	--
SLR2-00068	4/22/2004	Artistic Printing	Personal Air-EXC	65	<0.041	--	--	--	--
SLR2-00069	4/23/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00070									
SLR2-00071	4/23/2004	Artistic Printing	Perimeter Air	1220	--	<0.0048	--	--	--
SLR2-00072	4/23/2004	Artistic Printing	Perimeter Air	868	--	<0.0045	--	--	--
SLR2-00073	4/23/2004	Artistic Printing	Perimeter Air	1210	--	<0.0048	--	--	--
SLR2-00074	4/23/2004	Artistic Printing	Perimeter Air	1262	--	<0.0046	--	--	--
SLR2-00075									
SLR2-00076	4/23/2004	Artistic Printing	Perimeter Air	1232	--	<0.0047	--	--	--
SLR2-00077	4/23/2004	Artistic Printing	Perimeter Air	1237	--	<0.0047	--	--	--
SLR2-00078	4/23/2004	Artistic Printing	Personal Air-TWA	394	<0.007	--	--	--	--
SLR2-00079	4/24/2004	Artistic Printing	Personal Air-EXC	59	<0.046	--	--	--	--
SLR2-00080	4/24/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00081	4/24/2004	Artistic Printing	Perimeter Air	1232	--	<0.0036	--	--	--
SLR2-00082	4/24/2004	Artistic Printing	Perimeter Air	1240	--	<0.0035	--	--	--
SLR2-00083	4/24/2004	Artistic Printing	Perimeter Air	1238	--	<0.0035	--	--	--
SLR2-00084	4/24/2004	Artistic Printing	Perimeter Air	1235	--	<0.0035	--	--	--
SLR2-00085	4/24/2004	Artistic Printing	Perimeter Air	966	--	<0.0036	--	--	--
SLR2-00086	4/24/2004	Artistic Printing	Perimeter Air	1223	--	<0.0036	--	--	--
SLR2-00087	4/24/2004	Artistic Printing	Perimeter Air	1180	--	<0.0037	--	--	--
SLR2-00088									
SLR2-00089	4/25/2004	Artistic Printing	Personal Air-EXC	69.7	<0.039	--	--	--	--
SLR2-00090	4/25/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00091	4/27/2004	Artistic Printing	Perimeter Air	1310	--	<0.0045	--	--	--
SLR2-00092	4/27/2004	Artistic Printing	Perimeter Air	1300	--	<0.0045	--	--	--
SLR2-00093	4/27/2004	Artistic Printing	Perimeter Air	1347	--	<0.0043	--	--	--
SLR2-00094	4/27/2004	Artistic Printing	Perimeter Air	1312	--	<0.0044	--	--	--
SLR2-00095	4/27/2004	Artistic Printing	Perimeter Air	1305	--	<0.0045	--	--	--
SLR2-00096	4/26/2004	Artistic Printing	Personal Air-TWA	687	0.007	--	--	--	--
SLR2-00097	4/26/2004	Artistic Printing	Clearance	1375	--	<0.0042	--	--	--
SLR2-00098	4/26/2004	Artistic Printing	Clearance	1370	--	<0.0043	--	--	--
SLR2-00099	4/26/2004	Artistic Printing	Clearance	1363	--	<0.0043	--	--	--
SLR2-00100	4/26/2004	Artistic Printing	Clearance	1336	--	<0.0044	--	--	--
SLR2-00101	4/26/2004	Artistic Printing	Clearance	1350	--	<0.0043	--	--	--
SLR2-00102	4/26/2004	Artistic Printing	Personal Air-EXC	63.36	<0.043	--	--	--	--
SLR2-00103	4/26/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00104	4/26/2004	NA	Lot Blank	0	--	--	--	<91	--
SLR2-00105	4/26/2004	NA	Lot Blank	0	--	--	--	<91	--
SLR2-00106	4/27/2004	Artistic Printing	Perimeter Air	1330	--	<0.0033	--	--	--
SLR2-00107	4/27/2004	Artistic Printing	Perimeter Air	1352	--	<0.0032	--	--	--
SLR2-00108	4/27/2004	Artistic Printing	Perimeter Air	1338	--	<0.0033	--	--	--
SLR2-00109	4/27/2004	Artistic Printing	Perimeter Air	1343	--	<0.0033	--	--	--
SLR2-00110	4/27/2004	Artistic Printing	Perimeter Air	1322	--	<0.0033	--	--	--
SLR2-00111	4/27/2004	Artistic Printing	Perimeter Air	1333	--	<0.0033	--	--	--
SLR2-00112	4/27/2004	Artistic Printing	Personal Air-TWA	603.9	0.011	--	--	--	--
SLR2-00113	4/28/2004	Artistic Printing	Personal Air-EXC	60	<0.045	--	--	--	--
SLR2-00114	4/28/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00115	4/28/2004	Artistic Printing	Water	1	--	--	--	--	910,000
SLR2-00116	4/28/2004	Artistic Printing	Perimeter Air	1300	--	<0.0045	--	--	--
SLR2-00117	4/28/2004	Artistic Printing	Perimeter Air	1248	--	<0.0047	--	--	--
SLR2-00118	4/28/2004	Artistic Printing	Perimeter Air	1257	--	<0.0046	--	--	--
SLR2-00119	4/28/2004	Artistic Printing	Perimeter Air	1250	--	<0.0047	--	--	--
SLR2-00120	4/28/2004	Artistic Printing	Perimeter Air	1240	--	<0.0047	--	--	--
SLR2-00121	4/28/2004	Artistic Printing	Perimeter Air	1258	--	<0.0046	--	--	--
SLR2-00122									
SLR2-00123	4/29/2004	Artistic Printing	Personal Air-EXC	60	<0.045	--	--	--	--
SLR2-00124	4/29/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00125	4/29/2004	Artistic Printing	Perimeter Air	1220	--	<0.0029	--	--	--
SLR2-00126	4/29/2004	Artistic Printing	Perimeter Air	1252	--	<0.0028	--	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00127	4/29/2004	Artistic Printing	Perimeter Air	1277	<0.002	<0.0028	--	--	--
SLR2-00128	4/29/2004	Artistic Printing	Perimeter Air	1250	<0.002	<0.0028	--	--	--
SLR2-00129	4/29/2004	Artistic Printing	Perimeter Air	1247	--	<0.0028	--	--	--
SLR2-00130	4/29/2004	Artistic Printing	Perimeter Air	1240	--	<0.0028	--	--	--
SLR2-00131	4/29/2004	Artistic Printing	Personal Air-TWA	581	0.009	--	--	--	--
SLR2-00132	4/29/2004	Artistic Printing	Personal Air-EXC	62.1	<0.043	--	--	--	--
SLR2-00133	4/30/2004	Artistic Printing	Perimeter Air	1357	<0.002	<0.0057	--	--	--
SLR2-00134	4/30/2004	Artistic Printing	Perimeter Air	1310	--	<0.0038	--	--	--
SLR2-00135	4/30/2004	Artistic Printing	Perimeter Air	1313	<0.002	<0.0056	--	--	--
SLR2-00136	4/30/2004	Artistic Printing	Perimeter Air	1316	--	<0.0038	--	--	--
SLR2-00137	4/30/2004	Artistic Printing	Perimeter Air	1298	--	<0.0039	--	--	--
SLR2-00138	4/30/2004	Artistic Printing	Perimeter Air	1300	<0.002	<0.0038	--	--	--
SLR2-00139	4/30/2004	Artistic Printing	Personal Air-TWA	646	<0.004	--	--	--	--
SLR2-00140	5/1/2004	Artistic Printing	Personal Air-EXC	60	<0.045	--	--	--	--
SLR2-00141	5/1/2004	Artistic Printing	Field Blank	0	--	--	--	<70.1	--
SLR2-00142	5/3/2004	Artistic Printing	Perimeter Air	1305	--	<0.0038	--	--	--
SLR2-00143	5/3/2004	Artistic Printing	Perimeter Air	1300	--	<0.0038	--	--	--
SLR2-00144	5/3/2004	Artistic Printing	Perimeter Air	1298	--	<0.0039	--	--	--
SLR2-00145	5/3/2004	Artistic Printing	Perimeter Air	1272	--	<0.0039	--	--	--
SLR2-00146	5/3/2004	Artistic Printing	Perimeter Air	1282	--	<0.0039	--	--	--
SLR2-00147	5/3/2004	Artistic Printing	Perimeter Air	1287	--	<0.0039	--	--	--
SLR2-00148	5/3/2004	Artistic Printing	Perimeter Air	1270	--	<0.0039	--	--	--
SLR2-00149	5/3/2004	Artistic Printing	Perimeter Air	1282	--	<0.0039	--	--	--
SLR2-00150	5/3/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00151	5/3/2004	Artistic Printing	Personal Air-TWA	580	<0.005	--	--	--	--
SLR2-00152	5/4/2004	Artistic Printing	Personal Air-EXC	60	<0.045	--	--	--	--
SLR2-00153	5/4/2004	Artistic Printing	Perimeter Air	1425	--	<0.0041	--	--	--
SLR2-00154	5/4/2004	Artistic Printing	Perimeter Air	1420	--	<0.0049	--	--	--
SLR2-00155	5/4/2004	Artistic Printing	Perimeter Air	1418	--	<0.0041	--	--	--
SLR2-00156	5/4/2004	Artistic Printing	Perimeter Air	1415	--	<0.0041	--	--	--
SLR2-00157	5/4/2004	Artistic Printing	Perimeter Air	1408	--	<0.0041	--	--	--
SLR2-00158	5/4/2004	Artistic Printing	Perimeter Air	1412	--	<0.0041	--	--	--
SLR2-00159	5/4/2004	Artistic Printing	Perimeter Air	1402	--	<0.0042	--	--	--
SLR2-00160	5/4/2004	Artistic Printing	Perimeter Air	1395	--	0.0042	--	--	--
SLR2-00161	5/4/2004	Artistic Printing	Personal Air-TWA	440	0.007	--	--	--	--
SLR2-00162	5/5/2004	Artistic Printing	Personal Air-EXC	60	<0.045	--	--	--	--
SLR2-00163	5/4/2004	Frank Edwards	Dust	300	--	--	--	<300	--
SLR2-00164	5/4/2004	Frank Edwards	Dust	200	--	--	--	910	--
SLR2-00165	5/4/2004	Frank Edwards	Dust	200	--	--	--	2500	--
SLR2-00166	5/4/2004	Frank Edwards	Dust	200	--	--	--	910	--
SLR2-00167	5/4/2004	Frank Edwards	Dust	300	--	--	--	300	--
SLR2-00168	5/4/2004	Artistic Printing	Field Blank	0	--	--	--	<95	--
SLR2-00169	5/5/2004	Artistic Printing	Perimeter Air	1088	--	<0.0032	--	--	--
SLR2-00170	5/5/2004	Artistic Printing	Perimeter Air	1085	--	<0.0032	--	--	--
SLR2-00171	5/5/2004	Artistic Printing	Perimeter Air	1078	--	<0.0032	--	--	--
SLR2-00172	5/5/2004	Artistic Printing	Perimeter Air	1061	--	0.0033	--	--	--
SLR2-00173	5/5/2004	Artistic Printing	Perimeter Air	1070	--	0.0033	--	--	--
SLR2-00174	5/5/2004	Artistic Printing	Perimeter Air	1062	--	<0.0033	--	--	--
SLR2-00175	5/5/2004	Artistic Printing	Perimeter Air	1049	--	<0.0033	--	--	--
SLR2-00176	5/5/2004	Artistic Printing	Perimeter Air	1046	--	<0.0033	--	--	--
SLR2-00177	5/5/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00178	5/6/2004	Artistic Printing	Clearance	1294	--	<0.0039	--	--	--
SLR2-00179	5/6/2004	Artistic Printing	Clearance	1300	--	<0.0038	--	--	--
SLR2-00180	5/6/2004	Artistic Printing	Clearance	1300	--	<0.0038	--	--	--
SLR2-00181	5/6/2004	Artistic Printing	Clearance	1294	--	<0.0039	--	--	--
SLR2-00182	5/6/2004	Artistic Printing	Clearance	1290	--	<0.0039	--	--	--
SLR2-00183	5/6/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00184	5/6/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00185	5/6/2004	Artistic Printing	Perimeter Air	1255	--	<0.0046	--	--	--
SLR2-00186	5/6/2004	Artistic Printing	Perimeter Air	1240	--	<0.0047	--	--	--
SLR2-00187	5/6/2004	Artistic Printing	Perimeter Air	1238	--	<0.0047	--	--	--
SLR2-00188	5/6/2004	Artistic Printing	Perimeter Air	1233	--	<0.0047	--	--	--
SLR2-00189	5/6/2004	Artistic Printing	Perimeter Air	1240	--	<0.0047	--	--	--

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Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00190	5/6/2004	Artistic Printing	Clearance	1260	--	<0.0046	--	--	--
SLR2-00191	5/6/2004	Artistic Printing	Clearance	1270	--	<0.0046	--	--	--
SLR2-00192	5/6/2004	Artistic Printing	Clearance	1290	--	<0.0045	--	--	--
SLR2-00193	5/6/2004	Artistic Printing	Clearance	1310	--	<0.0045	--	--	--
SLR2-00194	5/6/2004	Artistic Printing	Clearance	1310	--	<0.0045	--	--	--
SLR2-00195	5/6/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00196	5/6/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00197	5/7/2004	Artistic Printing	Perimeter Air	1259	--	<0.0046	--	--	--
SLR2-00198	5/7/2004	Artistic Printing	Perimeter Air	1267	--	<0.0046	--	--	--
SLR2-00199	5/7/2004	Artistic Printing	Perimeter Air	1264	--	<0.0046	--	--	--
SLR2-00200	5/7/2004	Artistic Printing	Perimeter Air	1249	--	<0.0047	--	--	--
SLR2-00201	5/7/2004	Frank Edwards	Background	1352	--	<0.0043	--	--	--
SLR2-00202	5/7/2004	Frank Edwards	Background	1339	--	<0.0044	--	--	--
SLR2-00203	5/7/2004	Frank Edwards	Background	1344	--	<0.0043	--	--	--
SLR2-00204	5/7/2004	Frank Edwards	Background	1333	--	<0.0044	--	--	--
SLR2-00205	5/7/2004	Frank Edwards	Background	1343	--	<0.0043	--	--	--
SLR2-00206	5/7/2004	Artistic Printing	Clearance	1560	--	<0.0045	--	--	--
SLR2-00207	5/7/2004	Artistic Printing	Clearance	1320	--	<0.0044	--	--	--
SLR2-00208	5/7/2004	Artistic Printing	Clearance	1320	--	<0.0044	--	--	--
SLR2-00209	5/7/2004	Artistic Printing	Clearance	1330	--	<0.0044	--	--	--
SLR2-00210	5/7/2004	Artistic Printing	Clearance	1350	--	<0.0043	--	--	--
SLR2-00211	5/7/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00212	5/7/2004	Artistic Printing	Field Blank (Archive)	0	--	--	--	--	--
SLR2-00213	5/6/2004	Artistic Printing	Soil	NA	--	--	ND	--	--
SLR2-00214	5/10/2004	NA	Lot Blank	0	--	--	--	<91	--
SLR2-00215	5/10/2004	NA	Lot Blank	0	--	--	--	<91	--
SLR2-00216	5/10/2004	Artistic Printing	Perimeter Air	1215	--	<0.0048	--	--	--
SLR2-00217	5/10/2004	Artistic Printing	Perimeter Air	1223	--	<0.0048	--	--	--
SLR2-00218	5/10/2004	Artistic Printing	Perimeter Air	1210	--	<0.0048	--	--	--
SLR2-00219	5/10/2004	Artistic Printing	Perimeter Air	1208	--	<0.0048	--	--	--
SLR2-00220	5/10/2004	Artistic Printing	Perimeter Air	1188	--	<0.0049	--	--	--
SLR2-00221	5/10/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00222	5/10/2004	Frank Edwards	Personal Air-TWA	518	0.013	--	--	--	--
SLR2-00223	5/10/2004	Frank Edwards	Personal Air-EXC	66	0.0205	--	--	--	--
SLR2-00224	5/11/2004	Artistic Printing	Perimeter Air	1320	--	<0.0044	--	--	--
SLR2-00225	5/11/2004	Artistic Printing	Perimeter Air	1309	--	<0.0045	--	--	--
SLR2-00226	5/11/2004	Frank Edwards	Personal Air-TWA	710	0.005	--	--	--	--
SLR2-00227	5/11/2004	Frank Edwards	Personal Air-EXC	65	<0.041	--	--	--	--
SLR2-00228	5/11/2004	Artistic Printing	Field Blank	0	--	--	--	< 9.1	--
SLR2-00229	5/12/2004	Frank Edwards	Personal Air-TWA	743	0.008	--	--	--	--
SLR2-00230	5/12/2004	Frank Edwards	Personal Air-EXC	65	<0.041	--	--	--	--
SLR2-00231	5/12/2004	Artistic Printing	Perimeter Air	1307	--	<0.0045	--	--	--
SLR2-00232	5/12/2004	Artistic Printing	Perimeter Air	1318	--	<0.0044	--	--	--
SLR2-00233	5/12/2004	Artistic Printing	Clearance	1550	--	<0.0038	--	--	--
SLR2-00234	5/12/2004	Artistic Printing	Clearance	1550	--	<0.0045	--	--	--
SLR2-00235	5/12/2004	Artistic Printing	Clearance	1550	--	<0.0045	--	--	--
SLR2-00236	5/12/2004	Artistic Printing	Clearance	1560	--	<0.0045	--	--	--
SLR2-00237	5/12/2004	Artistic Printing	Clearance	1560	--	<0.0045	--	--	--
SLR2-00238	5/12/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00239	5/12/2004	Artistic Printing	Field Blank (Archive)	0	--	--	--	--	--
SLR2-00240	5/13/2004	Artistic Printing	Perimeter Air	1254	--	<0.0047	--	--	--
SLR2-00241	5/13/2004	Artistic Printing	Perimeter Air	1264	--	<0.0046	--	--	--
SLR2-00242	5/13/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00243	5/14/2004	Artistic Printing	Perimeter Air	1314	--	<0.0044	--	--	--
SLR2-00244	5/14/2004	Artistic Printing	Perimeter Air	1317	--	<0.0044	--	--	--
SLR2-00245	5/14/2004	Artistic Printing	Field Blank	0	--	--	--	<150	--
SLR2-00246	5/14/2004	Artistic Printing	Perimeter Air	1255	--	<0.0040	--	--	--
SLR2-00247	5/14/2004	Artistic Printing	Perimeter Air	1245	--	<0.0040	--	--	--
SLR2-00248	5/11/2004	Artistic Printing	Perimeter Air	1264	--	<0.0046	--	--	--
SLR2-00249	5/11/2004	Artistic Printing	Perimeter Air	1267	--	<0.0046	--	--	--
SLR2-00250	5/11/2004	Artistic Printing	Perimeter Air	1259	--	<0.0046	--	--	--
SLR2-00251	5/11/2004	Artistic Printing	Perimeter Air	1259	--	<0.0046	--	--	--
SLR2-00252	5/11/2004	Artistic Printing	Perimeter Air	1275	--	<0.0046	--	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00253	5/11/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00254	5/16/2004	Artistic Printing	Perimeter Air	1276	--	<0.0046	--	--	--
SLR2-00255	5/16/2004	Artistic Printing	Perimeter Air	1276	--	<0.0046	--	--	--
SLR2-00256	5/16/2004	Artistic Printing	Perimeter Air	1295	--	<0.0045	--	--	--
SLR2-00257	5/16/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00258	5/17/2004	Artistic Printing	Perimeter Air	1284	--	<0.0045	--	--	--
SLR2-00259	5/17/2004	Artistic Printing	Perimeter Air	1284	--	<0.0045	--	--	--
SLR2-00260	5/17/2004	Artistic Printing	Perimeter Air	1287	--	<0.0045	--	--	--
SLR2-00261	5/17/2004	Artistic Printing	Clearance	1680	--	<0.0035	--	--	--
SLR2-00262	5/17/2004	Artistic Printing	Clearance	1680	--	<0.0035	--	--	--
SLR2-00263	5/17/2004	Artistic Printing	Clearance	1680	--	<0.0035	--	--	--
SLR2-00264	5/17/2004	Artistic Printing	Clearance	1670	--	<0.0035	--	--	--
SLR2-00265	5/17/2004	Artistic Printing	Clearance	1670	--	<0.0035	--	--	--
SLR2-00266	5/17/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00267	5/17/2004	Artistic Printing	Field Blank (Archive)	0	--	--	--	--	--
SLR2-00268	5/18/2004	Artistic Printing	Perimeter Air	1296	--	<0.0045	--	--	--
SLR2-00269	5/18/2004	Artistic Printing	Perimeter Air	1282	--	<0.0046	--	--	--
SLR2-00270	5/18/2004	Artistic Printing	Perimeter Air	1300	--	<0.0045	--	--	--
SLR2-00271	5/18/2004	Artistic Printing	Field Blank (Archive)	0	--	--	--	--	--
SLR2-00272	5/19/2004	Artistic Printing	Perimeter Air	1496	--	<0.0047	--	--	--
SLR2-00273	5/19/2004	Artistic Printing	Perimeter Air	1490	--	<0.0039	--	--	--
SLR2-00274	5/19/2004	Artistic Printing	Perimeter Air	1473	--	<0.0040	--	--	--
SLR2-00275	5/19/2004	Artistic Printing	Perimeter Air	1259	--	<0.0046	--	--	--
SLR2-00276	5/19/2004	Artistic Printing	Perimeter Air	1261	--	<0.0046	--	--	--
SLR2-00277	5/19/2004	Artistic Printing	Perimeter Air	1272	--	<0.0046	--	--	--
SLR2-00278	5/20/2004	Artistic Printing	Perimeter Air	1538	--	<0.0038	--	--	--
SLR2-00279	5/20/2004	Artistic Printing	Perimeter Air	1530	--	<0.0038	--	--	--
SLR2-00280	5/20/2004	Artistic Printing	Perimeter Air	1503	--	<0.0039	--	--	--
SLR2-00281	5/20/2004	Artistic Printing	Field Blank (Archive)	0	--	--	--	--	--
SLR2-00282	5/20/2004	Artistic Printing	Perimeter Air	1335	--	<0.0044	--	--	--
SLR2-00283	5/20/2004	Artistic Printing	Perimeter Air	1362	--	<0.0043	--	--	--
SLR2-00284	5/20/2004	Artistic Printing	Perimeter Air	1338	--	<0.0044	--	--	--
SLR2-00285	5/20/2004	Artistic Printing	Perimeter Air	1335	--	<0.0044	--	--	--
SLR2-00286	5/20/2004	Artistic Printing	Perimeter Air	1365	--	<0.0043	--	--	--
SLR2-00287	5/20/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00288	5/21/2004	Artistic Printing	Perimeter Air	1420	--	<0.0041	--	--	--
SLR2-00289	5/21/2004	Artistic Printing	Perimeter Air	1401	--	0.0083	--	--	--
SLR2-00290									
SLR2-00291	5/21/2004	Artistic Printing	Perimeter Air	1308	--	<0.0045	--	--	--
SLR2-00292	5/21/2004	Artistic Printing	Clearance	1584	--	<0.0037	--	--	--
SLR2-00293	5/21/2004	Artistic Printing	Clearance	1617	--	<0.0036	--	--	--
SLR2-00294	5/21/2004	Artistic Printing	Clearance	1585	--	<0.0037	--	--	--
SLR2-00295	5/21/2004	Artistic Printing	Clearance	1574	--	<0.0037	--	--	--
SLR2-00296	5/21/2004	Artistic Printing	Clearance	1531	--	<0.0038	--	--	--
SLR2-00297	5/21/2004	Artistic Printing	Field Blank	0	--	--	--	< 91	--
SLR2-00298	5/21/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00299	5/21/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00300	5/21/2004	Artistic Printing	Perimeter Air	1225	--	<0.0048	--	--	--
SLR2-00301	5/21/2004	Artistic Printing	Perimeter Air	1250	--	<0.0047	--	--	--
SLR2-00302	5/21/2004	Artistic Printing	Perimeter Air	1250	--	<0.0047	--	--	--
SLR2-00303	5/21/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00304	5/22/2004	Artistic Printing	Perimeter Air	1798	--	<0.0049	--	--	--
SLR2-00305	5/22/2004	Artistic Printing	Perimeter Air	1781	--	<0.0049	--	--	--
SLR2-00306	5/22/2004	Artistic Printing	Perimeter Air	1778	--	<0.0049	--	--	--
SLR2-00307	5/22/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00308	5/22/2004	Artistic Printing	Perimeter Air	1288	--	<0.0045	--	--	--
SLR2-00309	5/22/2004	Artistic Printing	Perimeter Air	1288	--	<0.0045	--	--	--
SLR2-00310	5/22/2004	Artistic Printing	Perimeter Air	1288	--	<0.0045	--	--	--
SLR2-00311	5/22/2004	Artistic Printing	Clearance	1317	--	<0.0044	--	--	--
SLR2-00312	5/22/2004	Artistic Printing	Clearance	1317	--	<0.0044	--	--	--
SLR2-00313	5/22/2004	Artistic Printing	Clearance	1271	--	<0.0046	--	--	--
SLR2-00314	5/22/2004	Artistic Printing	Clearance	1317	--	<0.0044	--	--	--
SLR2-00315	5/22/2004	Artistic Printing	Clearance	1294	--	<0.0045	--	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00316	5/22/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00317	5/23/2004	Artistic Printing	Perimeter Air	1421	--	<0.0041	--	--	--
SLR2-00318	5/23/2004	Artistic Printing	Perimeter Air	1386	--	<0.0042	--	--	--
SLR2-00319	5/23/2004	Artistic Printing	Perimeter Air	1386	--	<0.0042	--	--	--
SLR2-00320	5/23/2004	Artistic Printing	Perimeter Air	1397	--	<0.0042	--	--	--
SLR2-00321	5/23/2004	Artistic Printing	Perimeter Air	1332	--	<0.0044	--	--	--
SLR2-00322	5/23/2004	Artistic Printing	Perimeter Air	1346	--	<0.0043	--	--	--
SLR2-00323	5/24/2004	Artistic Printing	Perimeter Air	1098	--	<0.0053	--	--	--
SLR2-00324	5/24/2004	Artistic Printing	Perimeter Air	1422	--	<0.0041	--	--	--
SLR2-00325	5/24/2004	NA	Lot Blank	0	--	--	--	< 7.01	--
SLR2-00326	5/24/2004	NA	Lot Blank	0	--	--	--	< 7.01	--
SLR2-00327	5/24/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00328	5/24/2004	Artistic Printing	Perimeter Air	1370	--	0.0073	--	--	--
SLR2-00329	5/24/2004	Artistic Printing	Perimeter Air	1375	--	<0.0025	--	--	--
SLR2-00330	5/25/2004	Artistic Printing	Perimeter Air	2025	--	<0.0043	--	--	--
SLR2-00331	5/25/2004	Artistic Printing	Perimeter Air	2109	--	<0.0033	--	--	--
SLR2-00332	5/25/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00333	5/25/2004	Artistic Printing	Dust	300	--	--	--	<30	--
SLR2-00334	5/25/2004	Artistic Printing	Dust	300	--	--	--	<30	--
SLR2-00335	5/25/2004	Artistic Printing	Dust	300	--	--	--	<30	--
SLR2-00336	5/25/2004	Artistic Printing	Dust	300	--	--	--	<30	--
SLR2-00337	5/25/2004	Artistic Printing	Field Blank	0	--	--	--	<240	--
SLR2-00338	5/26/2004	Artistic Printing	Perimeter Air	1476	--	<0.0047	--	--	--
SLR2-00339	5/26/2004	Artistic Printing	Perimeter Air	1460	--	<0.0040	--	--	--
SLR2-00340	5/26/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00341	5/26/2004	Artistic Printing	Perimeter Air	1304	--	<0.0045	--	--	--
SLR2-00342	5/26/2004	Artistic Printing	Perimeter Air	1325	--	<0.0044	--	--	--
SLR2-00343	5/26/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00344	5/27/2004	Artistic Printing	Perimeter Air	1561	--	<0.0037	--	--	--
SLR2-00345	5/27/2004	Artistic Printing	Perimeter Air	1582	--	<0.0037	--	--	--
SLR2-00346	5/27/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00347	5/28/2004	Artistic Printing	Clearance	1207	--	<0.0048	--	--	--
SLR2-00348	5/28/2004	Artistic Printing	Clearance	1207	--	<0.0048	--	--	--
SLR2-00349	5/28/2004	Artistic Printing	Clearance	1207	--	<0.0048	--	--	--
SLR2-00350	5/28/2004	Artistic Printing	Clearance	1207	--	<0.0048	--	--	--
SLR2-00351	5/28/2004	Artistic Printing	Clearance	1207	--	<0.0048	--	--	--
SLR2-00352	5/28/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00353	5/28/2004	Artistic Printing	Clearance	1218	--	<0.0048	--	--	--
SLR2-00354	5/28/2004	Artistic Printing	Clearance	1218	--	<0.0048	--	--	--
SLR2-00355	5/28/2004	Artistic Printing	Clearance	1218	--	<0.0048	--	--	--
SLR2-00356	5/28/2004	Artistic Printing	Clearance	1218	--	0.0057	--	--	--
SLR2-00357	5/28/2004	Artistic Printing	Clearance	1218	--	<0.0048	--	--	--
SLR2-00358	5/28/2004	Artistic Printing	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00359	5/29/2004	Artistic Printing	Clearance	1294	--	<0.0039	--	--	--
SLR2-00360	5/29/2004	Artistic Printing	Clearance	1250	--	<0.0040	--	--	--
SLR2-00361	5/29/2004	Artistic Printing	Clearance	1240	--	<0.0040	--	--	--
SLR2-00362	5/29/2004	Artistic Printing	Clearance	1240	--	<0.0040	--	--	--
SLR2-00363	5/29/2004	Artistic Printing	Clearance	1230	--	<0.0041	--	--	--
SLR2-00364	5/29/2004	Artistic Printing	Field Blank	0	--	--	--	<91	--
SLR2-00365	6/4/2004	Frank Edwards	Perimeter Air	1265	--	<0.0046	--	--	--
SLR2-00366	6/4/2004	Frank Edwards	Perimeter Air	1262	--	<0.0046	--	--	--
SLR2-00367	6/4/2004	Frank Edwards	Perimeter Air	1278	--	<0.0046	--	--	--
SLR2-00368	6/4/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00369	6/11/2004	Frank Edwards	Personal Air-TWA	788	0.015	--	--	--	--
SLR2-00370	6/7/2004	Frank Edwards	Perimeter Air	1405	--	<0.0042	--	--	--
SLR2-00371	6/7/2004	Frank Edwards	Perimeter Air	1436	--	<0.0049	--	--	--
SLR2-00372	6/7/2004	Frank Edwards	Perimeter Air	1429	--	<0.0049	--	--	--
SLR2-00373	6/7/2004	Frank Edwards	Personal Air-TWA	701	0.063	--	--	--	--
SLR2-00374	6/7/2004	Frank Edwards	Personal Air-EXC	77.4	< 0.035	--	--	--	--
SLR2-00375	6/7/2004	Frank Edwards	Field Blank	0	--	--	--	<70.1	--
SLR2-00376	6/8/2004	Frank Edwards	Perimeter Air	1462	--	<0.0040	--	--	--
SLR2-00377	6/8/2004	Frank Edwards	Perimeter Air	1441	--	<0.0040	--	--	--
SLR2-00378	6/8/2004	Frank Edwards	Perimeter Air	1464	--	<0.0040	--	--	--
SLR2-00379	6/8/2004	Frank Edwards	Personal Air-TWA	965	0.007	--	--	--	--
SLR2-00380	6/8/2004	Frank Edwards	Personal Air-EXC	73.5	<0.037	--	--	--	--
SLR2-00381	6/8/2004	Frank Edwards	Field Blank (Archive)	0	--	--	--	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00382	6/9/2004	Frank Edwards	Perimeter Air	1193	--	<0.0042	--	--	--
SLR2-00383	6/9/2004	Frank Edwards	Perimeter Air	1205	--	<0.0048	--	--	--
SLR2-00384	6/9/2004	Frank Edwards	Perimeter Air	1227	--	<0.0048	--	--	--
SLR2-00385	6/9/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00386									
SLR2-00387	6/10/2004	Frank Edwards	Perimeter Air	1333	--	<0.0044	--	--	--
SLR2-00388	6/10/2004	Frank Edwards	Perimeter Air	1355	--	<0.0043	--	--	--
SLR2-00389	6/10/2004	Frank Edwards	Perimeter Air	1262	--	<0.0046	--	--	--
SLR2-00390	6/10/2004	Frank Edwards	Perimeter Air	1346	--	<0.0043	--	--	--
SLR2-00391	6/10/2004	Frank Edwards	Perimeter Air	1341	--	<0.0043	--	--	--
SLR2-00392	6/10/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00393	6/11/2004	Frank Edwards	Perimeter Air	1323	--	<0.0044	--	--	--
SLR2-00394	6/11/2004	Frank Edwards	Perimeter Air	1342	--	<0.0043	--	--	--
SLR2-00395	6/11/2004	Frank Edwards	Perimeter Air	1316	--	<0.0044	--	--	--
SLR2-00396	6/11/2004	Frank Edwards	Perimeter Air	1314	--	<0.0044	--	--	--
SLR2-00397	6/11/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00398	6/14/2004	Frank Edwards	Perimeter Air	1432	--	<0.0024	--	--	--
SLR2-00399	6/14/2004	Frank Edwards	Perimeter Air	1397	--	<0.0025	--	--	--
SLR2-00400	6/14/2004	Frank Edwards	Perimeter Air	1377	--	<0.0025	--	--	--
SLR2-00401	6/14/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00402	6/15/2004	Frank Edwards	Perimeter Air	1230	--	<0.0041	--	--	--
SLR2-00403	6/15/2004	Frank Edwards	Perimeter Air	1200.5	--	<0.0042	--	--	--
SLR2-00404	6/15/2004	Frank Edwards	Perimeter Air	1213	--	<0.0041	--	--	--
SLR2-00405	6/15/2004	Frank Edwards	Field Blank	0	--	--	--	<91	
SLR2-00406	6/16/2004	Frank Edwards	Perimeter Air	1224	--	<0.0047	--	--	--
SLR2-00407									
SLR2-00408	6/16/2004	Frank Edwards	Perimeter Air	1247	--	<0.0047	--	--	--
SLR2-00409	6/16/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00410	6/17/2004	Frank Edwards	Perimeter Air	1385	--	<0.0042	--	--	--
SLR2-00411	6/17/2004	Frank Edwards	Perimeter Air	1379	--	<0.0042	--	--	--
SLR2-00412	6/17/2004	Frank Edwards	Perimeter Air	1442	--	<0.0040	--	--	--
SLR2-00413	6/17/2004	Frank Edwards	Clearance	1525	--	<0.0046	--	--	--
SLR2-00414	6/17/2004	Frank Edwards	Clearance	1505	--	<0.0047	--	--	--
SLR2-00415	6/17/2004	Frank Edwards	Clearance	1505	--	<0.0047	--	--	--
SLR2-00416	6/17/2004	Frank Edwards	Clearance	1495	--	<0.0047	--	--	--
SLR2-00417	6/17/2004	Frank Edwards	Clearance	1495	--	<0.0047	--	--	--
SLR2-00418	6/17/2004	Frank Edwards	Field Blank (Archive)	0	--	Not Analyzed	--	--	--
SLR2-00419	6/17/2004	Frank Edwards	Clearance	1703	--	<0.0041	--	--	--
SLR2-00420	6/17/2004	Frank Edwards	Clearance	1703	--	<0.0041	--	--	--
SLR2-00421	6/17/2004	Frank Edwards	Clearance	1683	--	<0.0042	--	--	--
SLR2-00422	6/17/2004	Frank Edwards	Clearance	1683	--	<0.0042	--	--	--
SLR2-00423	6/17/2004	Frank Edwards	Clearance	1673	--	<0.0042	--	--	--
SLR2-00424	6/18/2004	Frank Edwards	Perimeter Air	1257	--	<0.0046	--	--	--
SLR2-00425	6/18/2004	Frank Edwards	Clearance	1376	--	<0.0042	--	--	--
SLR2-00426	6/18/2004	Frank Edwards	Clearance	1376	--	<0.0042	--	--	--
SLR2-00427	6/18/2004	Frank Edwards	Clearance	1356	--	<0.0043	--	--	--
SLR2-00428	6/18/2004	Frank Edwards	Clearance	1356	--	<0.0043	--	--	--
SLR2-00429	6/18/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--
SLR2-00430	6/18/2004	Frank Edwards	Field Blank	0	--	--	--	<100	--
SLR2-00431	6/18/2004	Frank Edwards	Clearance	1138	--	<0.0044	--	--	--
SLR2-00432	6/18/2004	Frank Edwards	Clearance	1158	--	<0.0043	--	--	--
SLR2-00433	6/18/2004	Frank Edwards	Clearance	1168	--	<0.0043	--	--	--
SLR2-00434	6/18/2004	Frank Edwards	Clearance	1218	--	<0.0048	--	--	--
SLR2-00435	6/18/2004	Frank Edwards	Clearance	1238	--	<0.0047	--	--	--
SLR2-00436	6/19/2004	Frank Edwards	Clearance	1188	--	<0.0042	--	--	--
SLR2-00437	6/19/2004	Frank Edwards	Clearance	1178	--	<0.0042	--	--	--
SLR2-00438	6/19/2004	Frank Edwards	Clearance	1158	--	<0.0043	--	--	--
SLR2-00439	6/19/2004	Frank Edwards	Clearance	1158	--	<0.0043	--	--	--
SLR2-00440	6/19/2004	Frank Edwards	Clearance	1148	--	<0.0044	--	--	--
SLR2-00441	6/19/2004	Frank Edwards	Clearance	1336	--	0.0087	--	--	--
SLR2-00442	6/19/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--
SLR2-00443	6/19/2004	Frank Edwards	Clearance	1327	--	<0.0044	--	--	--
SLR2-00444	6/19/2004	Frank Edwards	Clearance	1327	--	<0.0044	--	--	--
SLR2-00445	6/19/2004	Frank Edwards	Clearance	1327	--	<0.0044	--	--	--
SLR2-00446	6/19/2004	Frank Edwards	Field Blank	0	--	--	--	<91	--
SLR2-00447	6/22/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00448	6/22/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--
SLR2-00449	6/22/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--
SLR2-00450	6/22/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--
SLR2-00451	6/22/2004	Frank Edwards	Clearance	1336	--	<0.0044	--	--	--
SLR2-00452	6/22/2004	Frank Edwards	Field Blank	0	--	--	--	<91	--
SLR2-00453	8/11/2004	UPL Switch House	Perimeter Air	1306	--	<0.0038	--	--	--
SLR2-00454	8/11/2004	UPL Switch House	Perimeter Air	1345	--	<0.0037	--	--	--
SLR2-00455	8/11/2004	UPL Switch House	Perimeter Air	1308	--	<0.0038	--	--	--
SLR2-00456	8/11/2004	UPL Switch House	Field Blank	0	--	--	--	<91	--
SLR2-00457	8/12/2004	UPL Switch House	Perimeter Air	1543	--	<0.0038	--	--	--
SLR2-00458	8/12/2004	UPL Switch House	Perimeter Air	1534	--	<0.0038	--	--	--
SLR2-00459	8/12/2004	UPL Switch House	Field Blank	0	--	--	--	<91	--
SLR2-00460	8/13/2004	UPL Switch House	Perimeter Air	1589	--	<0.0037	--	--	--
SLR2-00461	8/13/2004	UPL Switch House	Perimeter Air	1563	--	<0.0037	--	--	--
SLR2-00462	8/13/2004	UPL Switch House	Field Blank	0	--	--	--	<91	--
SLR2-00463	8/16/2004	UPL Switch House	Perimeter Air	1503	--	<0.0033	--	--	--
SLR2-00464	8/16/2004	UPL Switch House	Perimeter Air	1492	--	<0.0034	--	--	--
SLR2-00465	8/16/2004	UPL Switch House	Field Blank	0	--	--	--	<91	--
SLR2-00466	8/17/2004	UPL Switch House	Clearance	1336	--	<0.0044	--	--	--
SLR2-00467	8/17/2004	UPL Switch House	Clearance	1336	--	<0.0044	--	--	--
SLR2-00468	8/17/2004	UPL Switch House	Clearance	1336	--	<0.0044	--	--	--
SLR2-00469	8/17/2004	UPL Switch House	Clearance	1336	--	<0.0044	--	--	--
SLR2-00470	8/17/2004	UPL Switch House	Clearance	1336	--	<0.0044	--	--	--
SLR2-00471	8/17/2004	UPL Switch House	Field Blank	0	--	--	--	<150	--
SLR2-00472	8/18/2004	UPL Switch House	Perimeter Air	1488	--	<0.0039	--	--	--
SLR2-00473	8/18/2004	UPL Switch House	Perimeter Air	1469	--	<0.0040	--	--	--
SLR2-00474	8/18/2004	UPL Switch House	Field Blank	0	--	--	--	<91	--
SLR2-00475	8/19/2004	UPL Switch House	Clearance	1356	--	<0.0037	--	--	--
SLR2-00476	8/19/2004	UPL Switch House	Clearance	1356	--	<0.0037	--	--	--
SLR2-00477	8/19/2004	UPL Switch House	Clearance	1356	--	<0.0037	--	--	--
SLR2-00478	8/19/2004	UPL Switch House	Clearance	1356	--	<0.0037	--	--	--
SLR2-00479	8/19/2004	UPL Switch House	Clearance	1356	--	<0.0037	--	--	--
SLR2-00480	8/19/2004	UPL Switch House	Field Blank	0	--	--	--	<100	--
SLR2-00481	9/10/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00482	9/10/2004	UPL Yard (P3)	Perimeter Air	1096	--	<0.0049	--	--	--
SLR2-00483	9/10/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00484								--	--
SLR2-00485	9/16/2004	UPL Yard (P1)	Perimeter Air	1737	--	<0.0034	--	--	--
SLR2-00486	9/16/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00487	9/17/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00488					--		--	--	--
SLR2-00489					--		--	--	--
SLR2-00490	9/24/2004	UPL Yard (P3)	Perimeter Air	1183	--	0.0042	--	--	--
SLR2-00491	9/24/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00492	10/1/2004	UPL Yard (P6)	Stationary Air	1091	--	0.0064	--	--	--
SLR2-00493	10/1/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00494	10/6/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00495	10/7/2004	UPL Yard (P3)	Perimeter Air	1208	--	<0.0041	--	--	--
SLR2-00496	10/7/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00497	10/11/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00498	10/15/2004	UPL Yard (P1)	Perimeter Air	481	--	<0.0073	--	--	--
SLR2-00499	10/15/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00500	10/22/2004	UPL Yard (P4)	Perimeter Air	606	--	<0.0058	--	--	--
SLR2-00501	10/22/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00502	10/27/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00503	10/29/2004	UPL Yard (P3)	Perimeter Air	1012	--	<0.0038	--	--	--
SLR2-00504	10/29/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00505	11/5/2004	UPL Yard (P1)	Perimeter Air	1309	--	0.0038	--	--	--
SLR2-00506	11/9/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00507					--		--	--	--
SLR2-00508					--		--	--	--
SLR2-00509	11/11/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00510	11/11/2004	UPL Yard	Clearance	--	--	--	TR	--	--

Table 3-1 Summary of SLC2 Sample Results

Index ID Number	Date Collected	Location	Sample Matrix	Volume (L) or Area (cm^2)	Air Sample f/cc	Air Sample LA f/cc	Soil Samples % LA	Dust Samples LA s/cm^2	Water Samples LA s/L
					PCM	TEM/AHERA	PLM - VE	TEM/AHERA	TEM/AHERA
SLR2-00511	11/11/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00512	11/12/2004	UPL Yard (P2)	Perimeter Air	1311	--	<0.0038	--	--	--
SLR2-00513	11/12/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00514	11/17/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00515	11/19/2004	UPL Yard (P2)	Perimeter Air	1180	--	<0.0042	--	--	--
SLR2-00516	11/19/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00517	11/23/2004	UPL Yard (P1)	Perimeter Air	1371	--	<0.0043	--	--	--
SLR2-00518	11/23/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00519	12/2/2004	UPL Yard	Clearance	--	--	--	ND	--	--
SLR2-00520	12/2/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00521	12/3/2004	UPL Yard (P1)	Perimeter Air	1142	--	<0.0031	--	--	--
SLR2-00522	12/3/2004	UPL Yard	Field Blank	0	--	--	--	<91	--
SLR2-00523	12/7/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00524	12/21/2004	UPL Yard	Clearance	--	--	--	ND	--	--
SLR2-00525	12/21/2004	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00526	1/13/2005	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00527	1/13/2005	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00528	1/13/2005	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00529	1/31/2005	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00530	1/31/2005	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00531	1/31/2005	UPL Yard	Clearance	--	--	--	ND	--	--
SLR2-00532	3/8/2005	UPL Yard	Clearance	--	--	--	TR	--	--
SLR2-00533	3/8/2005	UPL Yard	Clearance	--	--	--	ND	--	--

Notes:

Void Samples

% -	percent
< -	*Indicates below detection limit*
AHERA -	Asbestos Hazard and Emergency Response Act
EXC -	excursion
f/cc -	fibers per cubic centimeter
LA -	Libby amphibole
NA -	not applicable
ND -	Non-detect
Not Analyzed -	sample was archived without analysis
OVRLD -	sample filter was overloaded
P* -	R&R Environmental Perimeter Sample Location
PCM -	phase contrast microscopy
PLM -	polarized light microscopy
s/cm^2 -	structure(s) per square centimeter
s/L -	structure(s) per liter
TEM -	transmission electron microscopy
TR -	trace (<0.2% LA asbestos below 12 inches)
TWA -	time weighted average
VE -	visual estimation

Appendix A
Artistic Printing Removal Action Personal Air Sampling Memorandum

CDM

CDM

May 5, 2004

Mr. Paul Kudarauskas
U.S. Department of Transportation
Volpe National Transportation Systems Center
55 Broadway, DTS-33
Cambridge, Massachusetts 02142

Subject: Libby Asbestos Project/Salt Lake City 2 (TO 33) - Artistic Printing Removal Action Personal Air Sampling Summary

Dear Mr. Kudarauskas:

The purpose of this letter is to summarize the analytical results of the personal air samples collected to date at the Salt Lake City - Artistic Printing (SLC2) removal effort and to recommend that collection of personal air samples on employees performing interior cleaning be terminated for the remainder of the removal operation.

Previous investigations within the Artistic Printing building found dust contaminated with Libby amphibole asbestos (LA). Therefore, the primary task for this removal effort is interior cleaning, which includes wet wiping, vacuuming, and stacking/moving items within a defined exclusion zone. As part of these removal activities, CDM Federal Programs Corporation (CDM) was tasked with collecting personal air samples on Environmental Protection Agency's (EPA) cleanup/construction contractor (Environmental Restoration [ER]) personnel, during level C work (i.e., work performed inside containment).

Personal air sampling began April 19th, 2004 at the commencement of the removal operation and continues to date. CDM has collected personal breathing zone air samples on ER's personnel in accordance with OSHA 29 CFR 1926.1101. A summary of results of the personal breathing zone air samples collected from April 19th through April 30th is listed in Attachment 1. Personal exposures to airborne asbestos fibers were measured daily by collecting time-weighted average (TWA) and excursion (30 minutes) personal air samples on one designated ER employee each day. The samples were collected in accordance with the Final Draft Response Action Work Plan (RAWP) for the Libby Asbestos Project (CDM 2003) and analyzed by phase contrast microscopy (PCM) (NIOSH 7400).

The OSHA permissible exposure limit (PEL) for TWA samples is 0.1 fibers per cubic centimeter (f/cc). To date, the highest TWA result measured during the removal operation is

CDM

0.01 f/cc. The average and geometric mean for the TWA samples collected to date are 0.005 and 0.004 f/cc, respectively. The OSHA PEL for excursion samples is 1.0 f/cc. The highest excursion result measured during the removal operations is 0.067 f/cc. The average and geometric mean for the excursion samples collected are 0.029 and 0.023 f/cc respectively.

All results are well below the OSHA PEL. Therefore, the full face and half face air purifying respirator (APR) equipped with a P-100 HEPA filter the government contractors are using are adequate for the measured exposures to date. Re-evaluation of the interior cleaning task should be conducted following 6 months of additional comparable work.

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

Very truly yours,

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

Jeff Montera
Project Manager
CDM Federal Programs Corporation

cc: Chuck Myers
Tim Wall
Tommy Cook

Attachment 1. HEG Calculations for Personal Air Samples Collected at Salt Lake City 2.
Task: Interior Cleaning (Wet Wipe, Vacuuming, Detailing)
PPE: Full and Half Face APR with P-100 filter cartridges

Person ID	Sample Date	TWA (f/cc)	Excursions (f/cc)
6568	4/19/2004	0.006	0.023
6953	4/20/2004	0.010	0.054
6686	4/21/2004	0.003	0.067
0960	4/21/2004	0.007	0.023
0000	4/21/2004	0.004	0.002
5942	4/22/2004	0.001	0.023
7960	4/23/2004	0.001	0.026
6686	4/24/2004	FAULT	0.044
9845	4/26/2004	0.005	0.023
8555	4/27/2004	0.007	0.023
4919	4/28/2004	VOID	0.023
6674	4/29/2004	0.006	0.022
0232	4/30/2004	0.001	0.023
Geomean		0.004	0.023
Average of detections		0.005	0.029

Acronyms

HEG	homogeneous exposure group
APR	air purifying respirator
TWA	time weighted average
f/cc	fibers per cubic centimeter

Appendix B
AMPCO Parking Lot FSDS

Sheet No.: PA-050001

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR PERSONAL AIR

Field Logbook No: SLR2-0001 Page No: 8 Sampling Date: 4/14/04
Address: AMPCO PARKING LOT 1005 Owner/Tenant: LA QUINTA
Business Name: —
Land Use: Residential School (Commercial) Mining Roadway Other ( )
Sampling Team: MACTEC (CDM) Other _____ Names: THOMAS E. COOK
Person Sampled: COOK SSN: 8103 Task: SAMPLER

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2-00003	SLR2-00010	SLR2-00011
Location ID	NA	NA	NA
Sample Group	PROPERTY	PROPERTY	BLANK
Location Description	- AMPCO PARKING LOT →	→	NA
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor)	Indoor (Outdoor)	Indoor Outdoor (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 (DryCal) NA	Rotometer (DryCal) NA	Rotometer DryCal (NA)
Pump ID Number	612071	612071	NA
Flow Meter ID No.	DC-L 1783	DC-L-1783	NA
Start Date	4/14/04	4/14/04	NA
Start Time	0940	1248	
Start Flow (L/min)	2.08	2.02	
Stop Date	4/14/04	4/14/04	4/14/04
Stop Time	1226	1750	
Stop Flow (L/min)	2.08	1.98	
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes (NA)
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes (NA)
Sample Type	(TWA) EXC NA	(TWA) EXC NA	TWA EXC (NA)
Field Comments	- SAMPLING DURING GEOPROBE ACTIVITY, MORNING. TOT MIN: 166 AVG FLOW: 2.07	- SAMPLING DURING GEOPROBE ACTIVITY - AFTERNOON TOT MIN: 302 AVE FLOW: 2.00	NONE
Cassette Lot Number: _____	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

va 101503

Sheet No.: S- 000001

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR2-001 Page No: 13 Sampling Date: 4/14/04

Address: Ampco PARKING LOT OFF 100S Owner: LA QUINTA

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

Sampling Team: (circle) (CDM) PES Other _____ Names: TOMMY COOK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2-00004	SLR2-00005	SLR2-00006
Location ID	NA	→	→
Sample Group	PROPERTY	→	→
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT
Category (circle)	(ES) FD _____	(ES) FD _____	(ES) FD _____
Matrix Type (circle)	Mining Waste (Subsurface Soil) Surface Soil (Fill) TCC 4/14/04 Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5
Sample Time	1130	1130	1130
Top Depth (in.)	0	38 (AVE)	44 (AVE)
Bottom Depth (in.)	38 (AVE)	44	50
Map Location	SEE LOGBOOK	→	→
Field Comments	-FILL MATERIAL -GRID 1 -SEE LOGBOOK FOR FIELD NOTES	NATIVE 0-6" -GRID 1	NATIVE 6-10" -GRID 1
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Sheet No.: S- 000003

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR2-0001 Page No: 20 Sampling Date: 4/14/04

Address: AMPCO PARKING LOT OFF 1005 Owner: LA QUINTA

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

Sampling Team: (circle) (CDM) PES Other _____ Names: Tommy Cook

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2-00012	SLR2-00013	SLR2-00014
Location ID	NA		
Sample Group	PROPERTY		
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT
Category (circle)	(FS) FD _____	(FS) FD _____	(FS) FD _____
Type (circle)	Mining Waste ~~Subsurface Soil~~ Surface Soil TEC 4/14/04 (Fill) Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 4
Sample Time	~~0~~ 1216 TEC 4/14/04	~~13~~ 1216 TEC 4/14/04	~~19~~ 1216 TEC 4/14/04
Top Depth (in.)	TEC 4/14/04 ~~13~~ 0	TEC 4/14/04 ~~19~~ 13	TEC 4/14/04 ~~28~~ 19
Bottom Depth (in.)	13	19	25
Map Location	SEE LOGBOOK		
Field Comments	- GRID 3 - FILL MATERIAL - SEE LOGBOOK FOR DETAILS	- NATIVE 0-6	- NATIVE 6-12
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Sheet No.: S-000005

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR2-0001 Page No: 26 Sampling Date: 4/14/04

Address: AMPCO PARKING LOT OFF 1005 Owner: LA QUINTA

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

Sampling Team: (circle) (CDM) PES Other _____ Names: TOMMY COCK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2-00018	SLR2-00019	SLR2-00020
Location ID	NA		
Sample Group	PROPERTY		
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT
Category (circle)	(FS) FD _____	(FS) FD _____	(FS) FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil (Fill) Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	~~0~~ 1556	1556	1556
Top Depth (in.)	0	28	34
Bottom Depth (in.)	28	34	40
Map Location	SEE LOGBOOK		
Field Comments	- GRID 5 - FILL MATERIAL - SEE LOGBOOK FOR DETAILS	- NATIVE 0-6	- NATIVE 6-12
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

1302

Sheet No.: S- 000007

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR2-0001 Page No: 29/32 Sampling Date: 4/14/01

Address: AMACO PARKING LOT OFF 100 S Owner: LA QUINTA

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

Sampling Team: (circle) (CDM) PES Other _____ Names: TOMMY COOK

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2-00024	SLR2-00025	SLR2-00026
Location ID	NA →	→	→
Sample Group	PROPERTY →	→	→
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT	Yard Soil Garden Soil Play Area Driveway (Other) PARKING LOT
Category (circle)	FS (FD) SLR2-00021	(FS) FD _____	(FS) FD _____
Type (circle)	Mining Waste Subsurface Soil Surface Soil (Fill) Other _____	Mining Waste Subsurface Soil Surface Soil (Fill) Other _____	Mining Waste (Subsurface Soil) Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	1658	1758	1758
Top Depth (in.)	0	0	31
Bottom Depth (in.)	25 AVG	31 AVG	37
Map Location	SEE LOGBOOK →	→	→
Field Comments	FIELD DUPLICATE OF SLR2-00021	- GRID 7 → - FILL MATERIAL - SEE LOGBOOK FOR DETAILS →	→ - NATIVE 0-6
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Sheet No.: S- 0000029

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR2-0001 Page No: 129 Sampling Date: 5/6/04

Address: 300 W 1005 Owner: Bill Benson (Artistic Printing)

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

Sampling Team: (circle) CDM PES Other _____ Names: Brian Ayles

BA 5/6/04

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2-00213		
Location ID	NA		
Sample Group	Property		
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway Other Roof	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	FS FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1900		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	SW Corner of Building		
Field Comments	SW Corner of Artistic Printing Roof. Soil with Roofing		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

5/6/04

Appendix C
AMPCO Parking Lot Field Logbook Entries

CDM

SLC2 AMPCO 4/14/04

DOT VOLPE

THOMAS E. COOK

AUTHOR: COOK, CDM ——— GEC

LOCATION: AMPCO PARKING LOT OFF 100 S STREET ~~NORTH~~ TEC 4/14/04 EAST OF ARTISTIC PRINTING. ——— GEC

WEATHER: MOSTLY SUNNY, HIGH OF ~68°F. CALM WINDS.

PPE: MODIFIED LEVEL D. COOK WILL BE WEARING A HALF-FACED RESPIRATOR W/ P100 CARTRIDGES. ONE PERSONAL SAMPLE FOR PCM WILL BE COLLECTED. THE PURPOSE OF THIS SAMPLING EVENT IS TO COLLECT SUBSURFACE SOIL SAMPLES FROM THE PARKING LOT. ALL SAMPLES WILL BE COLLECTED USING THE PROTOCOL STATED IN A MEMO DATED 4/13/04 FROM THOMAS E. COOK TO PAUL KUDARAUSKAS. SAMPLING WILL BE DONE IN ACCORDANCE WITH THE FINAL DRAFT RESPONSE ACTION WORK PLAN (RAWP) (CDM 2003).

0730 - ONSITE TO MEET PAUL KUDARASKAUS (KUDA) AND CRAIG MYERS (EPA)

0900 - GEORGE AND CHANCE DENSLEY ONSITE (DRILLER SUBCONTRACTOR).

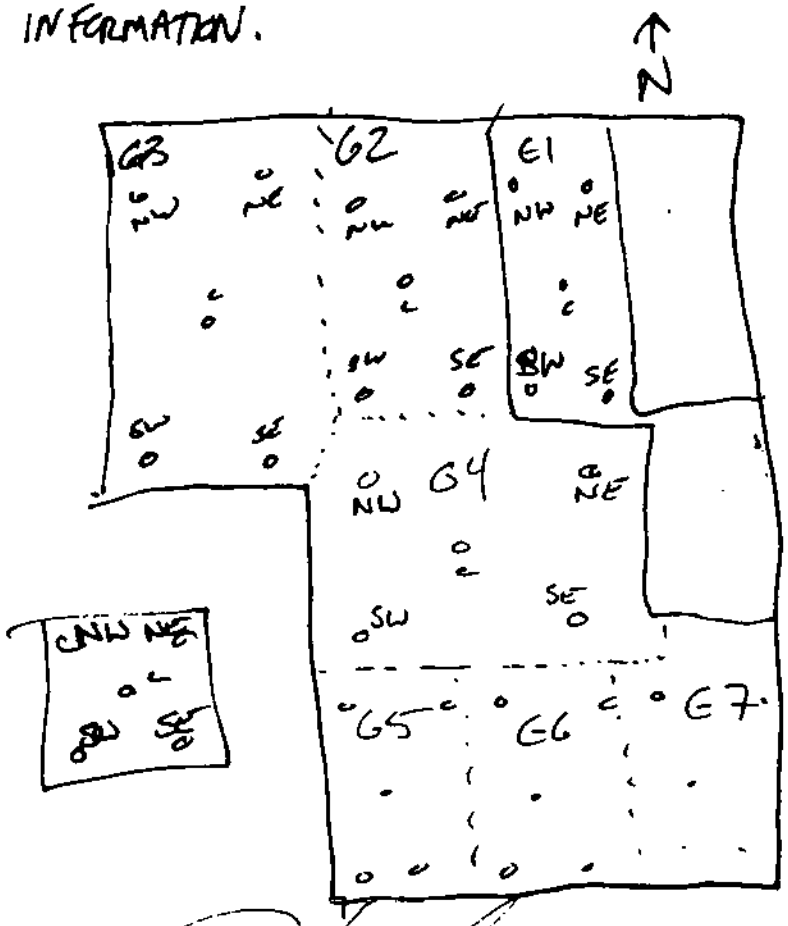
0910 - REVIEW HEALTH AND SAFETY

SLC2 | AMPCO 4/14/04

DOT VOLPE

THOMAS E COOK

PROTOCOL. BELOW IS A BASIC SKETCH OF THE DRILLING LOCATIONS. REFER TO THE MEMO FOR A MORE INFORMATION.



SLC 2 | AMPCO 4/14/04
DOT | VAPE
Thomas E. Cook

0930 - PUMP CALIBRATION FOR PERSONAL AIR SAMPLES TO BE COLLECTED ON COOK. THE TASK WILL INVOLVE COLLECTING SOIL SAMPLES FROM SUSPECT AREAS FROM A GEOPROBE CORE. A DRYCAL DC-LITE (SERIAL # DC-L 1783) WILL BE USED TO CALIBRATE A SKC LOW VOL SAMPLER (SERIAL # 612071)
• SEE PAGE 8 FOR WEATHER DETAILS.

0940 - START SLR2-00003 (PERSONAL)

- SEE FSDS PA-000001 FOR ADDL INFO.
- ALL PERSONAL AIR SAMPLES COLLECTED I/A/W THE FINAL DRAFT RAWP.

1226 - SLR2-00003 STOPPED. SAMPLE SEALED.
1248 - START SLR2-00010 (PERSONAL)

- SEE FSDS PA-00001 FOR ADDL INFO
1750 - STOP SLR2-00010.
* SUBMIT SLR2-00011 AS BLANK
- SAMPLES ENTERED ON COC # 00005 FOR SHIPPING. WILL BE SHIPPED AFTER DUST SAMPLE FROM ARTISTIC PRINTING IS COLLECTED.

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0940 - GRID 01, SE HOLE. SAMPLES WILL BE AS FOLLOWS:
SLR2-0004 - G1. FILL MATERIAL
SLR2-0005 - G1 - NATIVE 0-6
SLR2-0006 - G1 - NATIVE 6-12

G1 SE NOTES
G1SE FILL MATERIAL ~29", PAVEMENT TO 2" COMPRESSED SAND, GRAVEL.
- NO VISIBLE VERMICULITE.
G1SE G1 NATIVE 0-6 30" - 36" BGS - DARK MOIST SOIL.
- NO VISIBLE VERMICULITE (MICA FLAKES)
G1SE G1 NATIVE 6-12 36" - 42" - DARK COMPRESSED, SOME SAND.
- NO VISIBLE VERMICULITE (MICA FLAKES)

0955 - DRILL G01, SW1 NOTES
~~FILL~~: TEL 4/14. FOR THIS CORE, THE DRILLER WET THE CYLINDERS IN ATTEMPTS TO HAVE BETTER RECOVERY.
G1SW FILL 0-45" BGS. SANDY, COBBLES, NO VISIBLE VERMICULITE. (MICA FLAKES)

SLC 2/AMPCO 4/14/04
Det/Vaur
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G1SW NATIVE 0-6" - 1-2" INTERFACE - 47"-53" BGS. DARK MOIST SOIL, FEW SANDS. NO VISIBLE VERMICULITE @ 0-6" OR AT FILL/NATIVE INTERFACE.
G1SW NATIVE 6-12" - 53"-59" BGS - NO VISIBLE VERMICULITE.

~~G1CT~~ GRID-01, CENTER CORE NOTES AS FOLLOWS:
G1-C-FILL - 0-36" BGS, 2-4" INTERFACE. PAVEMENT, COBBLES, MICA/VERMICULITE FLAKES. SOME FINE SANDS.
G1-C-NATIVE 0-6" 39-45" BGS, MOIST DARKS, FEW GOLD/MICA FLAKES. NO TEC 4/14/04
G1-C-NATIVE 6-12 45"-51" (ON DOWN) - NO FLAKES/VERMICULITE. MOIST DARK SOIL.

GRID-01, NE CORE NOTES:
G1-NE-FILL - MIX OF RED FINE SANDS, COBBLES, SOIL. LONGER PROFILE OF FILL MATERIAL. 0-61" BGS. NO VISIBLE VERMIC.
G1-NE-NATIVE-0-6" 62"-68" BGS. DARK MOIST SOIL, SOME GOLD FLAKES.

SLC 2/AMPCO 4/14/04
Det/Vaur
Thomas E. Cook

G1-NE-NATIVE-6-12" 69-75" MORE SANDS, YELLOW/BROWN SOIL, NO VERMICULITE, SOME GOLD FLAKES.
TEC 4/14/04
~~G1-NW~~ GRID01-NW-CORE NOTES:

G1-NW-FILL-0-19" BGS. MUCH MORE SHALLOW. SANDY, COBBLES. NO VISIBLE VERMICULITE.
G1-NW-NATIVE 0-6" 20-26" BGS - DARK MOIST SOIL, FEW GOLD FLAKES.
G1-NW-NATIVE 6-12 - 27-32" BGS - FEW GOLD FLAKES - NO OBVIOUS VERMIC.
1130 - COMPLETED SAMPLE

SLR2-00004 G1-FILL

SLR2-00005 G1-NATIVE 0-6

SLR2-00006 G1-NATIVE 6-12

SLC2/AMPCO 4/14/04

DOT/VOLPE

Thomas E. Cook

GRID-02 NOTES: SLR2-00007 FILL SLCR2-00008 NATIVE 0-6, SLR2-00009 NAT 6-12.

GRID-02-NE

- ONE CORE PULLED
- NOTES AS FOLLOWS:

G2-NE-FILL 0-20" 2-4" MIXED ZONE.
- NO VISIBLE VERMICULITE.

G2-NE-NATIVE 0-6" 20"-26" DARK SANDY SOIL. LOOKS AS IF IT HAS BEEN STOCKPILED AND REPLACED (i.e. NOT NATURAL FLOW). VERY COMPRESSED. FEW GOLD FLAKES. NO OBVIOUS VERMICULITE.

G2-NE-NATIVE 6-12" 26"-32" BGS NO VISIBLE VERMICULITE, NO FLAKES OBSERVED. SANDY BLACK SOIL (SAME AS ABOVE).

GRID02-SE NOTES

G2-SE-FILL -0-24" BGS RED SANDY SOIL W/ COBBLES. 4" MIXING ZONE BETWEEN FILL & NATIVE INERFACE. NO VISIBLE VERMICULITE.

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DOT/VOLPE

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G2-SE-NATIVE 0-6" 24-30" BGS
- SOME GRAVELS & SAND. NO VISIBLE VERMICULITE.

G2-SE-NATIVE 6-12" 30-36" BGS
- SOME GRAVEL & SAND. NO VISIBLE VERMICULITE. TT TEC 4/14/04

IT APPEARS THAT THE TWO ABOVE NATIVE PROFILES WERE MIXED OR STOCKPILED AT ONE TIME.

GRID02, CENTER, CORE NOTES

G2-C-FILL 0-5" APPEARS TO BE A SHALLOW BACKFILLED AREA. THE NATIVE SOILS ARE VERY MOIST AND CLAYEY/DARK. NO VISIBLE VERMIC.
- RED SANDY SOILS W/ BROW SAND

G2-C-NATIVE 0-6" 5-11" BGS
- VERY MOIST SILTY CLAY, DARK SOIL.
- NO VISIBLE VERMICULITE.

GRID02-NW NOTES

G2-NW-FILL: 0-12" 2-4" MIXING ZONE. RED SAND W/ COBBLES. NO VISIBLE VERMICULITE.

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G2-NW-NATIVE 0-6 12-18" BGS
- SOIL IS DARK W/ SILTS. NO VISIBLE VERMICULITE
G2-NW-NATIVE 6-12" 18"-24" BGS
- SAME AS ABOVE

GRID02 - SW CORE NOTES
G2-SW-FILL ~~0-24"~~ TEC 4/14/04 0-12"
- SIMILAR CHARACTERISTICS AS G2NW FILL. RED/BLACK SANDY CLAY SOILS W/ COBBLES
- FEW GOLD FLAKES
- G2-SW-NATIVE 0-6" 12-18" BGS
- MOIST SILTY CLAY W/ SANDS. FEW GOLD FLAKES. NO OBVIOUS VERMICULITE.
- G2-SW-NATIVE 6-12" 18"-24" BGS
- SAME CHARACTERISTICS AS 0-6.

1216 - COMPLETED SAMPLE
SLR2-00007 - G2-FILL
SLR2-00008 - G2-NATIVE 0-6
SLR2-00009 - G2-NATIVE 6-12

SLC 2 | AMPCO 4/14/04
Dot | Vope
Thomas E. Cook

1250 - START SAMPLE GRID03
G3-SE CORE NOTES
* NOT ENOUGH RECOVERY TO GET NATIVE 6-12".
G3-SE-FILL 0-12" ~~- MAR~~ TEC 4/14/04
RED & BLACK SANDY SOIL W/ COBBLES.
- NO VISIBLE VERMICULITE
G3-SE-NATIVE 0-6 12"-15" BGS.
- BLACK SILTY CLAY
- NO VISIBLE VERMICULITE.
* NOT ENOUGH RECOVERY FOR NATIVE 6-12

G3-SW CORE NOTES
~~G3-SW-FILL~~ TEC 4/14/04. THIS CORE APPEARS TO HAVE A FILL MATERIAL LAYER AND A MIXED/NATIVE AREA. THE MIXED NATIVE AREA HAS COBBLES AND SOME CONGLOMERATE. ALSO, RED SANDS.
G3-SW-FILL 0-12" RED SANDS, COBBLES WITH A 2-4" MIXING ZONE W/ NATIVE AREA. NO VISIBLE VERMICULITE
G3-SW-NATIVE 0-6 12-18" BGS
- STILL APPEARS TO BE MIXED

SLC 2 | AMPCO 4/14/05

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NATIVE W FILL MATERIAL. NO VISIBLE VERMICULITE.

G3-SW-NATIVE 6-17 18-24'

- SAME CHARACTERIZATION AS NATIVE 0-6
- NO VISIBLE VERMICULITE

---

* NOTE: IT APPEARS SOME OF THE "NATIVE" MATERIAL HAS SOME FILL MATERIAL ASSOCIATED AND/OR MIXED IN. THERE IS A COLOR AND TEXTURE CHANGE FROM THE OVERLYING FILL MATERIAL

- G3-NW CORE NOTES
- IN THIS CORE, THERE APPEARS TO BE A SANDY/COBBLE LAYER BENEATH THE DARK NATIVE/FILL AREA.
- G3NW FILL 0-15" RED SANDY WITH COBBLES. 2" MIXING ZONE WITH NATIVE FILL AREA. NO VISIBLE VERMICULITE.

G3NW NATIVE 0-6 15-28" BGS

- NO VISIBLE VERMICULITE

G3NW NATIVE 6-12" 23"-34" BGS

- SAME CHARACT. - NO VIS. VERMICULITE

SLC 2 | AMPCO 4/14/04 19

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- G3NE NOTES
- G3-NE FILL 0-15" (MIXED ZONE)
- NO VISIBLE VERMICULITE
- RED SANDS, COBBLES
- G3-NE-NATIVE 0-6" 15-20" BGS
- DARK, SANDY SOIL W COBBLES. NATIVE/FILL MIX
- NO VISIBLE VERMICULITE
- G3-NE-NATIVE 6-12" 20-26" BGS
- DARKER MORE MOIST SOIL, SANDY, COBBLES
- NO VISIBLE VERMICULITE.

- G3-C NOTES
- THIS CORE APPEARS TO BE MORE MOIST @ THE NATIVE LAYERS NOT AS COBBLY FILL-LIKE AS PREVIOUS G3 SAMPLES.
- G3-C-FILL - 0-10" (MORE SHALLOW)
- RED SANDY COBBLES.
- NO VISIBLE VERMIC.
- G3-C NATIVE 0-6" 10-16" BGS
- DARK MOIST SILT/CLAY, SOME SANDS
- NO VISIBLE VERMICULITE, SOME MICA
- G3-C-NATIVE 0-12" 16-21" BGS

MORE SILT [illegible] VIS

NO VISIBLE VERMIC. SOME MICA

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[signature] THOMAS E. Cook

1350 - COMPLETED SAMPLE

SLR2-00012 - G3 - FILL
SLR2-00013 - G3 NATIVE 0-6"
SLR2-00014 - G3 - NATIVE 6-12"

[signature]

1359 - START TO SAMPLE GRID 04
SLR2-00015 - FILL
SLR2-00016 - NATIVE 0-6
SLR2-00017 - NATIVE 6-12

GRID04, SW CORE NOTES
- THIS IS A DEEPER CORE. THE FILL MATERIAL APPEARED TO BE DEEPER IN THIS GRID. AN OBVIOUS NATIVE LAYER IS OBSERVED @ 50" BGS.

G04-SW-FILL 0-48" - ~~DEEPER~~, TEL 4/14/04
- STRATIFIED BROWN/RED SANDY LAYERS WITH COBBLES.
- NO VISIBLE VERMICULITE

G04-SW-NATIVE 0-6 50-56"
- SILTY MOIST W LITTLE SANDS
- NO VISIBLE VERMICULITE

[signature]

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G04-SW-NATIVE 6-12 56-62" BGS
- SAME CHARACTERIZATION AS NAT. 0-6
- NO VISIBLE VERMICULITE.

[signature]

G04-NW CORE NOTES
G04-NW-FILL 0-42" SAME STRATIGRAPHY AS SW. RED/BLACK SANDS W COBBLES.
- NO VISIBLE VERICULITE
- G04-NW-NATIVE 0-6 - 42"-48" BGS
- NATIVE DARK SOIL W SOME SANDS/COBBLES
- NO VISIBLE VERMICULITE
- G04-NW-NATIVE 6-12" 48"-54" BGS
- DARK SOIL W SOME SANDS/COBBLES
- NO VISIBLE VERMICULITE

[signature]

G04-CENTER CORE NOTES
G04-C-FILL - 0-22" - LITTLE MORE SHALLOW THAN PREVIOUS CORE.
- GRAVEL & SAND LAYERS (RED & BLACK)
- NO VISIBLE VERMICULITE.
- G04-C-NATIVE 0-6 23"-30" BGS
- MOIST SOIL, SOME SILT
- NO VISIBLE VERMICULITE

[signature]

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G04-C-NATIVE G12" 30-42" BGS
- MOIST SOIL, DARK SILTY
- NO VISIBLE VERMICULITE

G04-NE-CORE NOTES
- SIMILAR PROFILE A G04-C.
- G04-NE-FILL 0-26"
- SANDY (RED/BLACK) W COBBLES
- NO VISIBLE VERMICULITE
- G04-NE-NATIVE 0-6 26-32" BGS
- DARK MOIST SILTY SOIL MIXED W SOME FILL
- NO VISIBLE VERMICULITE
- G04-NE-NATIVE G12 32-38" BGS
- BROWN SILTY SOIL MIXED W DARK SILT
- NO VISIBLE VERMICULITE.

G04-SE-CORE NOTES
- LONGER (DEEPER PROFILE). DISTINCT FILL LAYER OVER NATIVE SOIL. APPEARS THAT SOME SANDS ARE PRESENT BELOW THE NATIVE LAYER

[signature]

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[signature] THOMAS E. Cook

G04-SE-FILL 0-32"
- STRATIFICATION RED/WHITE/BLACK SANDS. NO VISIBLE VERMICULITE
- G04-SE-NATIVE 0-6 32"-38" BGS
- SILTY CLAY DARK SOIL W SOME FINES
- NO VISIBLE VERMICULITE
- G04-SE-NATIVE G12" 38-44" BGS
- SILTY DARK SOIL, SOME SANDS
- NO VISIBLE VERMICULITE

1538 COMPLETED SAMPLE

SLR2-00015 - G4-FILL

SLR2-00016 - G4-NATIVE 0-6

SLR2-00017 - G4-NATIVE G-12

1503-START GRID 05
SLR2-00018 - FILL
SLR2-00019 - NATIVE 0-6
SLR2-00020 - NATIVE G-12

[signature]

SLC2 | AMPCO 4/14/04
DOT | VAPE
THOMAS E. Cook

G05-NE-CORE NOTES
G05-NE-FILL - 0 - 32" - THERE APPEARS TO BE A DARK SOIL NATIVE MIXED IN FILL. THERE IS ANOTHER NATIVE SOIL MATERIAL @ 32" BGS
- SANDY BROWN/RED/WHITE.
- NO VISIBLE VERMICULITE
G-05-NE-NATIVE-0-6" 32"-38" BGS
- DARK SILTY SOIL
- NO VISIBLE VERMICULITE
G05-NE-NATIVE 6-12" 38"-44" BGS
- DARK SILTY SOIL, NO VISIBLE VERMIC.
QE

G05-C-CORE NOTES
G05-C-FILL 0-45" -
- STRATIFIED RED/BLACK SANDS & COBBLES
- NO VISIBLE VERMICULITE
G05-C-NATIVE 0-6 46"-51" BGS
- DARK SILTY SOIL
- NO VISIBLE VERMICULITE
G05-C-NATIVE-6-12 51"-57"
- DARK SILTY/SANDY SOIL
- NO VISIBLE VERMICULITE

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G-05-NW-CORE NOTES
G-05-NW-FILL 0-34"
- STRATIFIED SANDS (WHITE/RED)
- NO VISIBLE VERMICULITE
G05-NW-NATIVE 0-6 34"-40" BGS
- SILTY SOILS, SOME COBBLES
- NO VISIBLE VERMICULITE
G05-NW-NATIVE 6-12 40-46"
- SILTY SOIL - SOME IRON OXIDES/SANDS
NO VISIBLE VERMICULITE.
QE

G-05-SW-CORE NOTES
G-05-SW-FILL 0-16"
RED SANDY SOIL & GRAVEL.
THE UNDERLYING NATIVE SOIL IS MORE SHALLOW AND MORE BROWN IN COLOR.
- NO VISIBLE VERMICULITE
G-05-SW-NATIVE 0-6 16"-22" BGS
- BROWN SANDY SOIL, SOME GRAVEL
- NO VISIBLE VERMICULITE
G-05-SW-NATIVE 6-12" 22-28" BGS
- SAME CHARACTERIZATION
- NO VISIBLE VERMICULITE.

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DOT/VOIDE

THOMAS E. Cook

G-05-SE-CORE NOTES - MUCH DRIER

G-05-SE-FILL - 0-15" DRY LOOSE SANDS.

- NO VISIBLE VERMICULTE

- G05-SE-NATIVE 0-6 16"-21"

- DRY, LOOSE BROWN SANDY SOIL

- NO VISIBLE VERMICULTE

- G05-SE-NATIVE 6-12" 21"-28"

- SAME AS 0-6"

- NO VISIBLE VERMICULTE

JE

1556 COMPLETE SAMPLING

SLR2-00018 - G5 FILL

SLR2-00019 - G5-NATIVE 0-6

SLR2-00020 - G5-NATIVE 6-12

1558-START GRID06

G06-SW CORE NOTES

G-06-SW-FILL MATERIAL - 0-15"

- VERY DRY SILTY MATERIAL.

- NO VISIBLE VERMICULTE

SLC2/AMPCO 4/14/04

DOT/VOIDE

THOMAS E. Cook

G06 SW - NATIVE 0-6 16"-21" BGS"

- LOOSE SILTY (VERY DRY) SOIL W GRAVEL

- NO VISIBLE VERMICULTE

G-06 SW - NATIVE 6-12" 21-28" BGS

- LOOSE SILTY SOIL

- NO VISIBLE VERMICULTE

JE

G06-NW-CORE NOTES

- G-06-NW-FILL 0-26"

- STRATIFIED SAND (RED, BROWN, WHITE)

- NO VISIBLE VERMICULTE

G06-NW-NATIVE 0-6" 26-32" BGS

- DARK SANDY, SILTY SOIL - TEC 4/14/04

- NO VISIBLE VERMICULTE

G06-NW-NATIVE 6-12" 32-38" BGS

- SAME DESCRIPTION

- NO VISIBLE VERMICULTE

TEC 4/14/04

G06-NC-CORE NOTES

G06-C-FILL 0-24"

- STRATIFIED DARK, RED SANDS W GRAVEL

- NO VISIBLE VERMICULITE.

G-06-C-NATIVE 0-6 24"-30"

- SILTY, SANDY DARK SOIL

- NO VISIBLE VERMIC

SLC2/AMPCO 4/14/04
DOT/VOLPE
THOMAS E. Cook

-G06-SE FIELD NOTES
-G06-SE-FILL-0-22"
- RED/ORANGE SAND/SOIL
- NO VISIBLE VERMICULITE
-G06-SE-NATIVE 0-6" 22-28"
- DARK DRY NATIVE SOIL, COMPACTED
- NO VISIBLE VERMICULITE
-G06-SE NATIVE 6-12" 28"-32"
- SAME AS 0-6
- NO VISIBLE VERMICULITE

G-06-NE-CORE NOTES
G06-NE-FILL 0-36"
- ALTERNATING RED/ORANGE, BLACK & WHITE SANDS.
- NO VISIBLE VERMICULITE
-G06-NE-~~FILL~~ NATIVE 0-6 36-42"
- DARK SANDY DRY SOIL W/GRAVEL
- NO VISIBLE VERMICULITE
-G06-NE-NATIVE 6-12" 42-48"
- SAME AS 0-6
- NO VISIBLE VERMICULITE.

SLC2/AMPCO 4/14/04
DOT/VOLPE

1658-COMPLETE SAMPLING
SLR2-00021 -G6-FILL
SLR2-00022 -G6-NATIVE 0-6
SLR2-00023 -G6-NATIVE 6-12
SLR2-00024 - DUP OF SLR2-00021

1709-START GRID07. SLR2-00025-FILL
SLR2-00026 NATIVE 0-6, SLR2-00027-NAT 6-12.
GRID07-CORE NOTES
-G07-NW-FILL 0-27"
- SANDY BROWN/ORANGE SAND
- NO VISIBLE VERMICULITE
-G07-NW-NATIVE 0-6" 27-32"
- DARK MOIST SOIL, SILTY
- NO VISIBLE VERMICULITE
G-07-NW-NATIVE 6-12" 32-38"
- DARK MOIST SOIL, SILTY
- NO VISIBLE VERMICULITE.

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DCT/VOPE
[signature] THOMAS C. Cook

G-07-C-CORE NOTES
G07-C-FILL 0-30"
-STRATIFIED ORANGE, BROWN, WHITE
- NO VISIBLE VERMICULITE
G-07-C-NATIVE 0-6 30-36" BGS
- DARK SILTY SOIL (DRY)
- NO VISIBLE VERMICULITE
G-07-C-NATIVE 6-12" 36-42"
- DARK SILTY SOIL (DRY)
- NO VISIBLE VERMICULITE
- [initials]

G-07-~~C~~ NE-CORE NOTES
G-07-NE-FILL 0-~~36~~" - ~~STH~~ TEC 4/14
- VERY STRATIFED SOIL (SANDY)
- NO VISIBLE VERMICULITE
G-07-NE-NATIVE 0-6' 36-42"
- NOT VERY DEFINED AREA
- CONTAINS MIX FILL/NATIVE SOIL
- NO VISIBLE VERMICULITE
G-07 NE-NATIVE 6-12" 42-48"
- SAME AS 0-6 - NOT WELL DEFINED
~~(AREA)~~ TEC 4/14/04 PROFILE
- NO VISIBLE VERMICULITE
[signature]

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DCT/VOPE
[signature] THOMAS C. Cook

-G07-SE-CORE NOTES
G-07-~~SE~~FILL ~~MATERIAL~~ TEC 4/14/04 0-28"
-STRATIFIED SANDY, ORANGE BROWN
- NO VISIBLE VERMICULITE
-G07-SE-NATIVE 0-6 28-34" BGS
- STILL NOT WELL DEFINED NATIVE
- MIX NATIVE & FILL MATERIAL
- SOME GRAVEL
- NO VISIBLE VERMICULITE
-G07-SE-NATIVE 6-12" 34-40" BGS
-SAME AS ABOVE (0-6)
- NO VISIBLE VERMICULITE
[initials]

G-07-SW CORE NOTES
G07-SW-FILL 0-32"
- STRATIFIED SANDS, BROWN, ORANGE w/ COBBLES.
-NO VISIBLE VERMICULITE
G07-SW-NATIVE 0-6 32"-38"
-STRATIFIED NATIVE SOIL. NOT WELL DEFINED HORIZON
- NO VISIBLE VERMICULITE
G07-SW-NATIVE 6-12' 38-45"
-SAME AS ABOVE
NO [illegible]
[signature]

SLC 2 / AMPCO 4/14/04

DOT / VAPE

[signature] THOMAS E. Cook

1758 COMPLETED SAMPLING

SLR2-00025 -G7- FILL MATERIAL

SLR2-00026 -G7- NATIVE 0-6

SLR2-00027 -G7- NATIVE 6-12

[signature]

1815- COMPLETED SOIL SAMPLING OF AMPCO PARKING LOT. ALL SOIL SAMPLES ENTERED ON COC Nos 0002, 0003, 0004 AND SHIPPED TO THE CDM CFS LAB IN DENVER, CO ON FEDEX AIR BILL NUMBER 844950892253 [initials]

1830. GO TO FEDEX. GO BACK TO OFFICE AND COMPLETE PAPERWORK. NO MORE ENTRIES.

[signature] 4/14/04

TARGET SHEET

EPA REGION VIII

SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1008490

SITE NAME: VERMICULITE INTERMOUNTAIN

DOCUMENT DATE: 06/01/2005

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
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- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
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DOCUMENT DESCRIPTION:

APPENDIX D ARTISTIC PRINTING FSDS (FIELD SAMPLE DATA SHEETS)

Contact the Superfund Records Center to view available document.
(303) 312-6473

Appendix E
Artistic Printing Field Logbook Entries

CDM

SLR2-0001

"Rite in the Rain"

ALL-WEATHER

Environmental FIELD BOOK

No. 550

LIBBY SISTER SITES
SALT LAKE CITY 2
ARTISTIC PRINT / UP&L
REMOVAL OVERSIGHT
AIR & SOIL SAMPLING

"Rite in the Rain"
ALL-WEATHER WRITING PAPER

ENVIRONMENTAL FIELD

IF FOUND, PLEASE RETURN TO:

THOMAS E. COOK
CDM FEDERAL PROGRAMS CORP.
1331 17TH ST
SUITE 1100
DENVER, CO
720-264-1117 (w) 303-919-1358 (c)

LIBBY ASBESTOS PROJECT / SISTER SITES
SLC 2 - ARTISTIC PRINTING, UP&L
TIM WALL, PROJECT MANAGER - 617-452-6000
JEFF MONTERA, PROJECT MANAGER - 720-264-1116

Page Pattern

CONTENTS

PAGE	REFERENCE	DATE
3	LOGBOOK INTRODUCTION	4/12/04
4	LOT-BLANK SAMPLE DOCUMENTATION	4/12/04
8-32	SOIL SAMPLING @ AMPCO PARKING LOT	4/14/04
33	ARTISTIC PRINTING REMOVAL	4/15/04
37	ARTISTIC PRINTING DUST SAMPLE	4/16/04
38-111	ARTISTIC PRINTING REMOVAL	4/16-5/4
112	DUST SAMPLE FRANK EDWARDS	5/4/04
113-118	ARTISTIC PRINTING DUST SAMPLE	5/4-5/14
119-146	FRANK EDWARDS BUILDING SET UP	"

TABLE OF CONTENTS (CONT.)

SLC 2 4/12/[illegible]

Project Client: DOT/Volpe

Cook, Thomas: Author

- THIS LOGBOOK WILL BE USED FOR ENTRIES REGARDING CDM FEDERAL PROGRAM'S (CDM) OVERSIGHT RESPONSIBILITIES AS PART OF T.O. 33, SALT LAKE CITY 2 SISTER SITE REMOVAL ACTIVITIES.
- REMOVAL ACTIVITES ARE SCHEDULED TO BE CONDUCTED AT ARTISTIC PRINT. AND UTAH POWER & LIGHT. THE ARTISTIC PRINTING CLEANING WILL INCLUDE AN INTERIOR CLEANING WHILE THE UP&L SITES INCLUDE SOIL REMOVAL AND INTERIOR CLEANING.
- ENVIRONMENTAL RESTORATION (ER) WILL BE EPA'S REMOVAL CLEANUP/CONSTRUCTION CONTRACTOR. THEY WILL BE PRODUCING A HEALTH & SAFETY PLAN AND WORK PLAN. CDM WAS NOT TASKED WITH PRODUCING A REMOVAL WORK PLAN.
- IN ADDITION TO OVERSIGHT, CDM WILL BE COLLECTING SOIL (CONFIRMATION & INVESTIGATION) AND PERSONAL AND AIR CLEARANCE SAMPLES. UP&L WILL CONDUCT THEIR OWN SAMPLING.

Location SLC2 Date 4/12/04

Project Client DOT/Volpe

THOMAS E. Cook

THIS IS TO DOCUMENT THE COLLECTION OF LOT BLANKS FOR CASSETTES TO BE USED IN THE COLLECTION OF AIR SAMPLES AT THE LIBBY SISTER SITES, SALT LAKE CITY 2. LOT BLANKS WERE COLLECTED AND SUBMITTED FOR ANALYSIS IN ACCORDANCE WITH THE FINAL DRAFT RESPONSE ACTION WORK PLAN (RAWP), PREPARED BY THE VOLPE CENTER AND CDM FOR EPA (NOV 2003). QEL

- TWO BOXES (50 CASSETTES EACH) OF 25 MM, 0.8 MICROMETER FILTER PORE SIZE MIXED CELLULOSE ESTER CASSETTES WERE PROVIDED TO CDM BY THE CONTRACTED ASBESTOS LAB (RESEMS) ON APRIL 12, 2004. FOLLOWING THE PROC. STATED IN THE RAWP, TERRY CROWEL LABELED ONE CASSETTE FROM EACH SEALED BOX AS FOLLOWS: SLR2-0001 & SLR2-0002 (SL=SALT LAKE, R=REMOVAL 2=SISTER SITE#, XXX=NUMBER). SAMPLE DATA INFO WAS RECORDED ON FSDS SA-000001 AND ON CHAIN OF CUSTODY NO. 00001). SAMPLES WERE RELINQUISHED TO TOM BURGESSER FOR TEM ANALYSIS.
- SAMPLE RESULTS WILL BE REPORTED TO MANAGEMENT AND/OR THE OVERSIGHT FIELD TEAM LEADER.

Location SLC2 Date 4/12/04

Project Client DOT/VOLPE

THOMAS E. Cook

0945 - ARRIVE AT SLC, CHECK IN HOTEL. RECEIVED 2 PCKGS OF SKC PUMPS. CONTINUE TO CHECK EQUIPMENT RECEIVED FROM SKC (PUMPS).
- WORKED ON SOME LIBBY PROJECT WORK.
1800 - MET KARAUSKAS (PAL) FOR DINNER TO DISCUSS UPCOMING ACTIVITIES.
- NO MORE ENTRIES

4/12/04

Location SLC 2 Date 4/13/04

Project Client Dot/Vape

Thomas E. Cook

0800 - COOK MET PAUL KUDARAUSKAS (KUDA) AT HIS HOTEL FOR A CONFERENCE CALL W/ J. MONTERA AND F. MORRIS REGARDING SOIL SAMPLING THAT WILL OCCUR ON 4/14/04.

- THE SOIL SAMPLES WILL BE COLLECTED FROM THE AMPCO PARKING LOT LOCATED OFF 100 S. THE PARKING LOT WILL BE SEGREGATED INTO 7 GRIDS. WITHIN EACH GRID, 5 ~~SUBSA~~ TEC 4/13/04 CORES WILL BE EXTRACTED USING DIRECT PUSH TECHNOLOGY (DPT). WITH EACH CORE A SAMPLE WILL BE COLLECTED FROM THE FILL MATERIAL, NATIVE SOIL 0-6", AND NATIVE SOIL 6-12". THE 5 TEC 4/13/04 RESPECTIVE SAMPLE FROM EACH CORE WITHIN A GRID WILL BE SUBMITTED AS ONE COMPOSITE SAMPLE. THAT IS ONE 5-POINT COMPOSITE SAMPLE WILL BE COLLECTED FROM FILL, NATIVE 0-6, NATIVE 6-12".

0905 - TURN AIR (LOW VOL) PUMPS ON FOR TESTING.

4/13/04

Location SLC 2 Date 4/13/04

Project Client Dot Wape

Thomas E. Cook

TODAYS ACTIVITIES INCLUDED GOING TO STORE FOR SUPPLIES (FOR SAMPLING) AND ORGANIZATIONAL TOOLS (TOTE, ETC).

- NO MORE ENTRIES

4/13/04

Location SLC 2 | AMPCO Date 4/14/04

DOT VOPE

THOMAS E. COOK

AUTHOR: COOK, CDM

LOCATION: AMPCO PARKING LOT OFF 100 S STREET ~~NORTH~~ TEC 4/14/04 EAST OF ARTISTIC PRINTING.

WEATHER: MOSTLY SUNNY, HIGH OF ~68°F. CALM WINDS.

PPE: MODIFIED LEVEL D. COOK WILL BE WEARING A HALF-FACED RESPIRATOR W/ P100 CARTRIDGES. ONE PERSONAL SAMPLE FOR PCM WILL BE COLLECTED. THE PURPOSE OF THIS SAMPLING EVENT IS TO COLLECT SUBSURFACE SOIL SAMPLES FROM THE PARKING LOT. ALL SAMPLES WILL BE COLLECTED USING THE PROTOCOL STATED IN A MEMO DATED 4/13/04 FROM THOMAS E. COOK TO PAUL KUDARAUSKAS. SAMPLING WILL BE DONE IN ACCORDANCE WITH THE FINAL DRAFT RESPONSE ACTION WORK PLAN (RAWP) (CDM 2003).

0730 - ONSITE TO MEET PAUL KUDARAUSKAS (KUDA) AND CRAIG MYERS EPA)

0900 - GEORGE AND CHANCE DENSLEY ONSITE (DRILLING SUBCONTRACTOR).

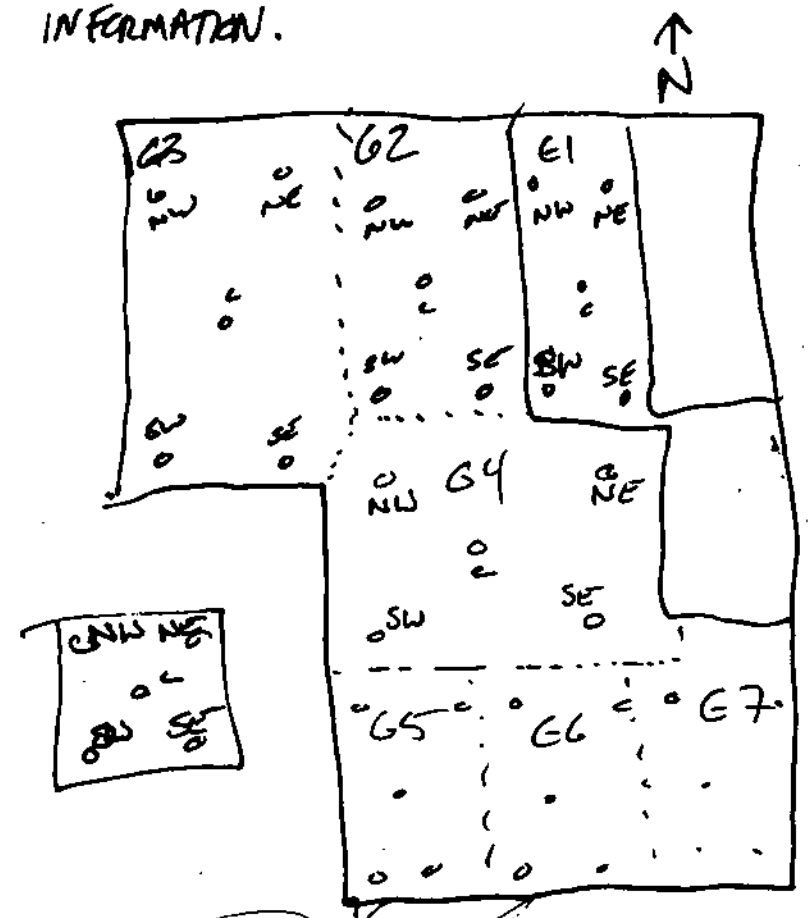
0910 - REVIEW HEALTH AND SAFETY

Location SLC 2 | AMPCO Date 4/14/04

DOT VOPE

THOMAS E. COOK

ADDRA. BELOW IS A BASIC SKETCH OF THE DRILLING LOCATIONS. REFER TO THE MEMO FOR MORE INFORMATION.



Location SLC 2\AMPCO Date 4/14/04

Project Client DOT/VOLPE

Thomas E. Cook

0930 - PUMP CALIBRATION FOR PERSONAL AIR SAMPLES TO BE COLLECTED ON COOK. THE TASK WILL INVOLVE COLLECTING SOIL SAMPLES FROM SUSPECT AREAS FROM A GEOPROBE CORE. A DRY CAL DC-LITE (SERIAL # DC-L1783) WILL BE USED TO CALIBRATE A SKC LOW VOL SAMPLER (SERIAL # 612071)

• SEE PAGE 8 FOR WEATHER DETAILS. — GEC

0940 - START SLR2-00003 (PERSONAL) GEC

- SEE FSDS PA-000001 FOR ADD'L INFO.
- ALL PERSONAL AIR SAMPLES COLLECTED I/A/W THE FINAL DRAFT RAWP.

1226 - SLR2-00003 STOPPED. SAMPLE SEALED.

1248 - START SLR2-00010 (PERSONAL) GEC

- SEE FSDS PA-00001 FOR ADD'L INFO

1750 - STOP SLR2-00010.

* SUBMIT SLR2-00011 AS BLANK

- SAMPLES ENTERED ON COC # 00005 FOR SHIPPING. WILL BE SHIPPED AFTER DUST SAMPLE FROM ARTISTIC PRINTING IS COLLECTED.

Location SLC 2\AMPCO Date 4/14/04

Project Client DOT/VOLPE

Thomas E. Cook

0940 - GRID 01, SE HOLE. SAMPLES WILL BE AS FOLLOWS:

SLR2-0004 - G1. FILL MATERIAL
SLR2-0005 - G1 - NATIVE 0-6
SLR2-0006 - G1 - NATIVE 6-12

GEC

G1SE NOTES

G1SE FILL MATERIAL ~29", PAVEMENT TO 2" COMPRESSED SAND, GRAVEL.
- NO VISIBLE VERMICULITE.

G1SE G1 NATIVE 0-6 30" - 36" BGS - DARK MOIST SOIL.
- NO VISIBLE VERMICULITE (MICA FLAKES)

G1SE G1 NATIVE 6-12 36" - 42" - DARK COMPRESSED, SOME SAND.
- NO VISIBLE VERMICULITE (MICA FLAKES)

GEC

0955 - DRILL G01, SW1 NOTES

~~FILL.~~ TEL 4/14. FOR THIS CORE, THE DRILLER WET THE CYLINDERS IN ATTEMPTS TO HAVE BETTER RECOVERY.

G1SW FILL 0-45" BGS. SANDY, COBBLES, NO VISIBLE VERMICULITE. (MICA FLAKES)

SLC 2/AMPCO 4/14/04

Det/Vaue

Thomas E. Cook

G1SW NATIVE 0-6" - 1-2" INTERFACE - 47"-53" BGS. DARK MOIST SOIL, FEW SANDS. NO VISIBLE VERMICULITE @ 0-6" OR AT FILL/NATIVE INTERFACE.

G1SW NATIVE 6-12" - 53"-59" BGS - NO VISIBLE VERMICULITE.

~~G1C F~~ GRID-01, CENTER CORE NOTES AS FOLLOWS:

G1-C-FILL - 0-36" BGS, 2-4" INTERFACE. PAVEMENT, COBBLES, MICA/VERMICULITE FLAKES. SOME FINE SANDS.

G1-C-NATIVE 0-6" 39-45" BGS, MOIST DARKS, FEW GOLD/MICA FLAKES, NO TEC 4/14/04

G1-C-NATIVE 6-12 45"-51" (ON DOWN) - NO FLAKES/VERMICULITE. MOIST DARK SOIL.

GRID-01, NE CORE NOTES:

G1-NE-FILL - MIX OF RED FINE SANDS, COBBLES, SOIL. LONGER PROFILE OF FILL MATERIAL. 0-61" BGS. NO VISIBLE VERMIC.

G1-NE-NATIVE-0-6" 62"-68" BGS. DARK MOIST SOIL, SOME GOLD FLAKES.

SLC 2/AMPCO 4/14/04

Det/Vaue

Thomas E. Cook

G1-NE-NATIVE-6-12" 69-75" MORE SANDS, YELLOW/BROWN SOIL, NO VERMICULITE, SOME GOLD FLAKES.

TEC 4/14/04

~~G1-NW~~ GRID01-NW-CORE NOTES:

G1-NW-FILL-0-19" BGS. MUCH MORE SHALLOW. SANDY, COBBLES. NO VISIBLE VERMICULITE.

G1-NW-NATIVE 0-6" 20-26" BGS - DARK MOIST SOIL, FEW GOLD FLAKES.

G1-NW-NATIVE 6-12 - 27-32" BGS - FEW GOLD FLAKES - NO OBVIOUS VERMIC.

1130 - COMPLETED SAMPLE

SLR2-00004	G1-FILL
SLR2-00005	G1-NATIVE 0-6
SLR2-00006	G1-NATIVE 6-12

SLC2/AMACO 4/4/04

DOT/VOLPE

Thomas E. Cook

GRID-02 NOTES: SLR2-00007 FILL SLCR2-00008 NATIVE 0-6, SLR2-00009 NAT 6-12.

GRID-02-NE

- ONE CORE PULLED
- NOTES AS FOLLOWS:

G2-NE-FILL 0-20" 2-4" MIXED ZONE.
- NO VISIBLE VERMICULITE.

G2-NE-NATIVE 0-6" 20"-26" DARK SANDY SOIL. LOOKS AS IF IT HAS BEEN STOCKPILED AND REPLACED (i.e. NOT NATURAL). VERY COMPRESSED. FEW GOLD FLAKES. NO OBVIOUS VERMICULITE.

G2-NE-NATIVE 6-12" 26"-32" BGS NO VISIBLE VERMICULITE, NO FLAKES OBSERVED. SANDY BLACK SOIL (SAME AS ABOVE).

GRID02-SE NOTES

G2-SE-FILL -0-24" BGS RED SANDY SOIL W/ COBBLES. 4" MIXING ZONE BETWEEN FILL & NATIVE INERFACE. NO VISIBLE VERMICULITE.

SLC2/AMACO 4/14/04

DOT/VOLPE

Thomas E. Cook

G2-SE-NATIVE 0-6" 24-30" BGS
- SOME GRAVELS & SAND. NO VISIBLE VERMICULITE.

G2-SE-NATIVE 6-12" 30-36" BGS
- SOME GRAVEL & SAND. NO VISIBLE VERMICULITE. TT TEC 4/14/04

IT APPEARS THAT THE TWO ABOVE NATIVE PROFILES WERE MIXED OR STOCKPILED AT ONE TIME.

GRID02, CENTER, CORE NOTES

G2-C-FILL 0-5" APPEARS TO BE A SHALLOW BACKFILLED AREA. THE NATIVE SOILS ARE VERY MOIST AND CLAYEY/DARK. NO VISIBLE VERMIC.
- RED SANDY SOILS W/ BROW SAND

G2-C-NATIVE 0-6" 5-11" BGS
- VERY MOIST SILTY CLAY, DARK SOIL.
- NO VISIBLE VERMICULITE.

GRID02-NW NOTES

G2-NW-FILL: 0-12" 2-4" MIXING ZONE. RED SAND W/ COBBLES, NO VISIBLE VERMICULITE.

SLC 2 | AMPCO Date 4/14/04

Dot Vore

Thomas E. Cook

G2-NW-NATIVE 0-6 12-18" BGS
- SOIL IS DARK W/ SILTS. NO VISIBLE VERMICULITE
G2-NW-NATIVE 6-12" 18"-24" BGS
- SAME AS ABOVE

GRID02 - SW CORE NOTES
G2-SW-FILL ~~0-24"~~ TEC 4/14/04 0-12"
- SIMILAR CHARACTERISTICS AS G2NW FILL. RED/BLACK SANDY CLAY SOILS W/ COBBLES
- FEW GOLD FLAKES
- G2-SW-NATIVE 0-6" 12-18" BGS
- MOIST SILTY CLAY W/ SANDS. FEW GOLD FLAKES. NO OBVIOUS VERMICULITE.
- G2-SW-NATIVE 6-12" 18"-24" BGS
- SAME CHARACTERISTICS AS 0-6.

1216 - COMPLETED SAMPLE

SLR2-00007 - G2-FILL

SLR2-00008 - G2-NATIVE 0-6

SLR2-00009 - G2-NATIVE 6-12

SLC 2 | AMPCO 4/14/04

Dot Vore

Thomas E. Cook

1250 - START SAMPLE GRID03
G3-SE CORE NOTES
* NOT ENOUGH RECOVERY TO GET NATIVE 6-12".
G3-SE-FILL 0-12" ~~- PAOR~~ TEC 4/14/04
RED & BLACK SANDY SOIL W/ COBBLES.
- NO VISIBLE VERMICULITE
G3-SE-NATIVE 0-6 12"-15" BGS.
- BLACK SILTY CLAY
- NO VISIBLE VERMICULITE.
* NOT ENOUGH RECOVERY FOR NATIVE 6-12

G3-SW CORE NOTES
~~G3-SW-FILL~~ TEC 4/14/04. THIS CORE APPEARS TO HAVE A FILL MATERIAL LAYER AND A MIXED/NATIVE AREA. THE MIXED NATIVE AREA HAS COBBLES AND SOME CONGLOMERATE. ALSO, RED SANDS.
G3-SW-FILL 0-12" RED SANDS, COBBLES WITH A 2-4" MIXING ZONE W/ NATIVE AREA. NO VISIBLE VERMICULITE
G3-SW-NATIVE 0-6 12-18" BGS
- STILL APPEARS TO BE MIXED

Location SLC 2 | AMPCO Date 4/14/05

Project Client Dot Vespe

Thomas E. Cook

NATIVE W FILL MATERIAL. NO VISIBLE VERMICULITE.

G3-SW-NATIVE 6-17 18-24'

- SAME CHARACTERIZATION AS NATIVE 0-6
- NO VISIBLE VERMICULITE

---

* NOTE: IT APPEARS SOME OF THE "NATIVE" MATERIAL HAS SOME FILL MATERIAL ASSOCIATED AND/OR MIXED IN. THERE IS A COLOR AND TEXTURE CHANGE FROM THE OVERLYING FILL MATERIAL

- G3-NW CORE NOTES
- IN THIS CORE, THERE APPEARS TO BE A SANDY/COBBLE LAYER BENEATH THE DARK NATIVE/FILL AREA.

- G3NW FILL 0-15" RED SANDY WITH COBBLES. 2" MIXING ZONE WITH NATIVE FILL AREA. NO VISIBLE VERMICULITE.

G3NW NATIVE 0-6 15-28" BGS

- NO VISIBLE VERMICULITE

G3NW NATIVE 6-12" 28"-34" BGS

- SAME CHARACT. - NO VIS. VERMICULITE

Location SLC 2 | AMPCO Date 4/14

Project Client DOT VESPE

Thomas E. Cook

- G3-NE NOTES
- G3-NE FILL 0-15" (MIXED ZONE)
- NO VISIBLE VERMICULITE
- RED SANDS, COBBLES
- G3-NE-NATIVE 0-6" 15-20" BGS
- DARK, SANDY SOIL W COBBLES. NATIVE/FILL MIX
- NO VISIBLE VERMICULITE
- G3-NE-NATIVE 6-12" 20-26" BGS.
- DARKER MORE MOIST SOIL, SANDY, COBBLES
- NO VISIBLE VERMICULITE.

- G3-C NOTES
- THIS CORE APPEARS TO BE MORE MOIST @ THE NATIVE LAYERS NOT AS COBBLY FILL-LIKE AS PREVIOUS G3 SAMPLES.

- G3-C-FILL - 0-10" (MORE SHALLOW)
- RED SANDY COBBLES.
- NO VISIBE VERMIC.
- G3-C NATIVE 0-6" 10-16" BGS
- DARK MOIST SILT/CLAY, SOME SANDS
- NO VISIBLE VERMICULITE, SOME MICA
- G3-C-NATIVE 0-12" 16-21" BGS
- MORE SILT/CLAY - MOIST
- NO VISIBLE VERMIC - SOME MICA

SLC2/AMPCO Date 4/14/04
DOT/VOLPE
[signature] THOMAS E. Cook

1350 - COMPLETED SAMPLE

SLR2-00012 - G3 - FILL
SLR2-00013 - G3 NATIVE 0-6"
SLR2-00014 - G3 - NATIVE 6-12"

1359 - START TO SAMPLE GRID 04
SLR2-00015 - FILL
SLR2-00016 - NATIVE 0-6
SLR2-00017 - NATIVE 6-12

GRID04, SW CORE NOTES
- THIS IS A DEEPER CORE. THE FILL MATERIAL APPEARED TO BE DEEPER IN THIS GRID. AN OBVIOUS NATIVE LAYER IS OBSERVED @ 50" BGS.
G04-SW-FILL 0-48" - DEEPER, TEL 4/14/04
- STRATIFIED BROWN/RED SANDY LAYERS WITH COBBLES.
- NO VISIBLE VERMICULITE
G04-SW-NATIVE 0-6 50-56"
- SILTY MOIST W LITTLE SANDS
- NO VISIBLE VERMICULITE
[signature]

Location SLC2/AMPCO Date 4/14/04
DOT/VOLPE
[signature] THOMAS E. Cook

G04-SW-NATIVE 6-12 56-62" BGS
- SAME CHARACTERIZATION AS NAT. 0-6
- NO VISIBLE VERMICULITE.
[signature]

G04-NW CORE NOTES
G04-NW-FILL 0-42" SAME STRATIGRAPHY AS SW. RED/BLACK SANDS W COBBLES.
- NO VISIBLE VERICULITE
- G04-NW-NATIVE 0-6 - 42"-48" BGS
- NATIVE DARK SOIL W SOME SANDS/COBBLES
- NO VISIBLE VERMICULITE
- G04-NW-NATIVE 6-12" 48"-54" BGS
- DARK SOIL W SOME SANDS/COBBLES
- NO VISIBLE VERMICULITE
[signature]

G04-CENTER CORE NOTES
G04-C-FILL 0-22" - LITTLE MORE SHALLOW THAN PREVIOUS CORE.
- GRAVEL & SAND LAYERS (RED & BLACK)
- NO VISIBLE VERMICULITE.
G04-C-NATIVE 0-6 22"-30" BGS
- MOIST SOIL, SOME SILT
- NO VISIBLE VERMICULITE
[signature]

SLC2/AMPCO Date 4/14/[illegible]

DCT/VCPE

[signature] THOMAS E. Cook

G04-C-NATIVE G12" 30-42" BGS
- MOIST SOIL, DARK SILTY
- NO VISIBLE VERMICULITE

G04-NE-CORE NOTES
- SIMILAR PROFILE A G04-C.
- G04-NE-FILL 0-26"
- SANDY (RED/BLACK) W COBBLES
- NO VISIBLE VERMICULITE
- G04-NE-NATIVE 0-6 26-32" BGS
- DARK MOIST SILTY SOIL MIXED W SOME FILL
- NO VISIBLE VERMICULITE
- G04-NE-NATIVE G12 32-38" BGS
- BROWN SILTY SOIL MIXED W DARK SILT
- NO VISIBLE VERMICULITE.

G04-SE-CORE NOTES
- LONGER (DEEPER PROFILE). DISTINCT FILL LAYER OVER NATIVE SOIL. APPEARS THAT SOME SANDS ARE PRESENT BELOW THE NATIVE LAYER

[signature]

SLC2/AMPCO Date 4/[illegible]

DCT/VCPE

[signature] THOMAS E. Cook

G04-SE-FILL 0-32"
- STRATIFICATION RED/WHITE/BLACK SANDS. NO VISIBLE VERMICULITE
- G04-SE-NATIVE 0-6 32"-38" BGS
- SILTY CLAY DARK SOIL W SOME FINES
- NO VISIBLE VERMICULITE
- G04-SE-NATIVE G12" 38-44" BGS
- SILTY DARK SOIL, SOME SANDS
- NO VISIBLE VERMICULITE

1503 COMPLETED SAMPLE

SLR2-00015 - G4-FILL

SLR2-00016 - G4-NATIVE 0-6

SLR2-00017 - G4-NATIVE G-12

1503-START GRID 05
SLR2-00018 - FILL
SLR2-00019 - NATIVE 0-6
SLR2-00020 - NATIVE G-12

[signature]

Location SLC2 | AMPCO Date 4/14/04

Project / Client DOT | VAPE

THOMAS E. Cook

G05-NE-CORE NOTES

G05-NE-FILL - 0-32" - THERE APPEARS TO BE A DARK SOIL NATIVE MIXED IN FILL. THERE IS ANOTHER NATIVE SOIL MATERIAL @ 32" BGS

- SANDY BROWN/RED/WHITE.
- NO VISIBLE VERMICULITE

G-05-NE-NATIVE-0-6" 32"-38" BGS

- DARK SILTY SOIL
- NO VISIBLE VERMICULITE

G05-NE-NATIVE 6-12" 38"-44" BGS

- DARK SILTY SOIL, NO VISIBLE VERMIC.

G05-C-CORE NOTES

G05-C-FILL 0-45"

- STRATIFIED RED/BLACK SANDS W/ COBBLES
- NO VISIBLE VERMICULITE

G05-C-NATIVE 0-6 46"-51" BGS

- DARK SILTY SOIL
- NO VISIBLE VERMICULITE

G05-C-NATIVE-6-12 51"-57"

- DARK SILTY/SANDY SOIL
- NO VISIBLE VERMICULITE

Location SLC2/AMPCO Date 4/14/04

Project / Client DOT | VAPE

THOMAS E. Cook

G-05-NW CORE NOTES

G-05-NW-FILL 0-34"

- STRATIFIED SANDS (WHITE/RED)
- NO VISIBLE VERMICULITE

G05-NW NATIVE 0-6 34"-40" BGS

- SILTY SOILS, SOME COBBLES
- NO VISIBLE VERMICULITE

G05-NW-NATIVE 6-12 40-46"

- SILTY SOIL - SOME IRON OXIDES/SANDS
- NO VISIBLE VERMICULITE.

G-05-SW-CORE NOTES

G-05-SW-FILL 0-16"

RED SANDY SOIL W/ GRAVEL.

THE UNDERLYING NATIVE SOIL IS MORE SHALLOW AND MORE BROWN IN COLOR.

- NO VISIBLE VERMICULITE

G-05-SW-NATIVE 0-6 16"-22" BGS

- BROWN SANDY SOIL, SOME GRAVEL
- NO VISIBLE VERMICULITE

G-05-SW-NATIVE 6-12" 22-28" BGS

- SAME CHARACTERIZATION
- NO VISIBLE VERMICULITE.

Location SLC2/AMPCO Date 4/14/0[illegible]

Project / Client DOT/VOPE

[signature] THOMAS E. Cook

G-05-SE-CORE NOTES . MUCH DRIER

G-05-SE-FILL - 0-15" DRY LOOSE SANDS.

- NO VISIBLE VERMICULTE

- G05-SE-NATIVE 0-6 16"-21"

- DRY, LOOSE BROWN SANDY SOIL

- NO VISIBLE VERMICULTE

- G05-SE-NATIVE 6-12" 21"-28"

- SAME AS 0-6"

- NO VISIBLE VERMICULTE

JE

1556 COMPLETE SAMPLING

SLR2-00018 - G5 FILL

SLR2-00019 - G5-NATIVE 0-6

SLR2-00020 - G5-NATIVE 6-12

1558-START GRID06

G06-SW CORE NOTES

G-06-SW-FILL MATERIAL - 0-15"

- VERY DRY SILTY MATERIAL.

- NO VISIBLE VERMICULTE

Location SLC2/AMPCO Date 4/[illegible]/04

Project / Client DOT/VOPE

[signature] THOMAS E. Cook

G06-SW-NATIVE 0-6 16"-21" BGS"

- LOOSE SILTY (VERY DRY) SOIL W GRAVEL

- NO VISIBLE VERMICULTE

G-06-SW-NATIVE 6-12" 21-28" BGS

- LOOSE SILTY SOIL

- NO VISIBLE VERMICULTE

JCC

G06-NW-CORE NOTES

- G-06-NW-FILL 0-26"

- STRATIFIED SAND (RED, BROWN, WHITE)

- NO VISIBLE VERMICULTE

G06-NW-NATIVE 0-6" 26-32" BGS

- DARK SANDY, SILTY SOIL - TEC 4/14/04

- NO VISIBLE VERMICULTE

G06-NW-NATIVE 6-12" 32-38" BGS

- SAME DESCRIPTION

- NO VISIBLE VERMICULTE

TEC 4/14/04

G06-NC-CORE NOTES

G06-C-FILL 0-24"

- STRATIFIED BLACK, RED SANDS W GRAVEL

- NO VISIBLE VERMICULITE.

G-06-C-NATIVE 0-6 24"-30"

- SILTY, SANDY DARK SOIL

- NO VISIBLE VERMICULTE

SLC 2/AMPCO 4/14/04
DOT/Volpe
THOMAS E. Cook

-G06-SE FIELD NOTES
-G06-SE-FILL 0-22"
- RED/ORANGE SAND/SOIL
- NO VISIBLE VERMICULITE
-G06-SE-NATIVE 0-6" 22-28"
- DARK DRY NATIVE SOIL, COMPACTED
- NO VISIBLE VERMICULITE.
-G06-SE NATIVE 6-12" 28"-32"
- SAME AS 0-6
- NO VISIBLE VERMICULITE.

G-06-NE-CORE NOTES
G06-NE-FILL 0-36".
- ALTERNATING RED/ORANGE, BLACK & WHITE SANDS.
-NO VISIBLE VERMICULITE
-G06-NE-~~FILL~~ NATIVE 0-6 36-42"
- DARK SANDY DRY SOIL W/GRAVEL
- NO VISIBLE VERMICULITE
-G06-NE-NATIVE 6-12" 42-48"
-SAME AS 0-6
-NO VISIBLE VERMICULITE.

SLC 2/AMPCO 4/14/04
DOT/Volpe

1658-COMPLETE SAMPLING
SLR2-00021 -G6-FILL
SLR2-00022 -G6-NATIVE 0-6
SLR2-00023 -G6-NATIVE 6-12
OSL
SLR2-00024 - DUP OF SLR2-00021

1709-START GRID07. SLR2-00025-FILL
SLR2-00026 NATIVE 0-6, SLR2-00027-NAT 6-12.
GRID07-CORE NOTES
-G07-NW-FILL 0-27"
- SANDY BROWN ORANGE SAND
-NO VISIBLE VERMICULITE
-G07-NW-NATIVE 0-6" 27-32"
- DARK MOIST SOIL, SILTY
- NO VISIBLE VERMICULITE
G-07-NW-NATIVE 6-12" 32-38"
- DARK MOIST SOIL SILTY
- NO VISIBLE VERMICULITE.

Location SLC2/AMPCO Date 4/14/04

Project Client DOT/Vape

Thomas E. Cook

G-07-C-CORE NOTES

G07-C-FILL 0-30"

-STRATIFIED ORANGE, BROWN, WHITE

- NO VISIBLE VERMICULITE

G-07-C-NATIVE 0-6 30-36" BGS

- DARK SILTY SOIL (DRY)

- NO VISIBLE VERMICULITE

G-07-C-NATIVE 6-12", 36-42"

- DARK SILTY SOIL (DRY)

- NO VISIBLE VERMICULITE

G-07-~~C~~ NE-CORE NOTES

G-07-NE-FILL 0-~~36~~" - ~~STAL~~ TEC 4/14

- VERY STRATIFED SOIL (SANDY)

- NO VISIBLE VERMICULITE

G-07-NE-NATIVE 0-6' 36-42"

- NOT VERY DEFINED AREA

- CONTAINS MIX FILL/NATIVE SOIL

- NO VISIBLE VERMICULITE

G-07NE-NATIVE 6-12" 42-48"

- SAME AS 0-6 - NOT WELL DEFINED ~~(AREA)~~ TEC 4/14/04 PROFILE

- NO VISIBLE VERMICULITE

SLC 2/AMPCO 4/14/

DOT/Vape

Thomas E. Cook

-G07-SE-CORE NOTES

G-07-~~SE~~FILL ~~MATERIAL~~ TEC 4/14/04 0-28"

-STRATIFIED SANDY, ORANGE BROWN

- NO VISIBLE VERMICULITE

-G07-SE-NATIVE 0-6 28-34" BGS

- STILL NOT WELL DEFINED NATIVE

- MIX NATIVE & FILL MATERIAL

- SOME GRAVEL

- NO VISIBLE VERMICULITE

-G07-SE-NATIVE 6-12" 34-40" BGS

-SAME AS ABOVE (0-6)

- NO VISIBLE VERMICULITE

G-07-SW CORE NOTES

G07-SW-FILL 0-32"

- STRATIFIED SANDS, BROWN, ORANGE w/ COBBLES.

-NO VISIBLE VERMICULITE

G07-SW-NATIVE 0-6 32"-38"

-STRATIFIED NATIVE SOIL. NOT WELL DEFINED HORIZON

- NO VISIBLE VERMICULITE

G07-SW-NATIVE 6-12" 38-45"

-SAME AS ABOVE

-NO VISIBLE VERMICULITE

SLC2/AMPCO 4/14/04

DOT/VAPE

Thomas E. Cook

1758 COMPLETED SAMPLING

SLR2-00025 -G7- FILL MATERIAL

SLR2-00026 -G7- NATIVE 0-6

SLR2-00027 -G7- NATIVE 6-12

1815- COMPLETED SOIL SAMPLING OF AMPCO PARKING LOT. ALL SOIL SAMPLES ENTERED ON COC NOS 0002, 0003, 0004 AND SHIPPED TO THE CDM CFS LAB IN DENVER, CO ON FEDEX AIR BILL NUMBER 844950892253

1830. GO TO FEDEX. GO BACK TO OFFICE AND COMPLETE PAPERWORK. NO MORE ENTRIES.

4/14/04

SLC2/ARTISTIC PRINT. 4/15/04

DOT/VAPE

THOMAS E. Cook

800 MEET PAUL KUDARAUSKAS (KUDA) AND CRAIG MYERS TO DISCUSS ER SETUP.

0940- FIRST TRACTOR TRAILER AND OFFICE TRAILER ARRIVES. NOT MUCH ELSE GOING ON. RETURN TO ROOM TO WORK ON LIBBY PROJECT WORK.

1600- ARRIVE BACK AT SITE. AS OF 1600, -2 TRACTOR TRAILERS, 1 OFFICE TRAILER, 2 GENERATORS, DECON TRAILER, AND BAKER TANK. SETUP FENCE AROUND PERIMETER.

1700- MEET @ ER SLC OFFICE FOR TAILGATE H&S MEETING/REVIEW ER H&S PLAN.

1815- DINNER

1930- BACK ONSITE. SETUP CONTINUING. START CONSTRUCTING CONTAINMENT. IT WAS AGREED THAT SETUP WOULD BE DONE IN LEVEL D. HOWEVER, INTERIOR SETUP (CONTAINMENT) WOULD BE DONE IN MODIFIED LEVEL C. A DEFINED "LEVEL C" AREA WILL BE DEMARATED IN THE BINDING ROOM/E. LOADING BAY. A DESIGNATED PERSONAL DECON STATION WILL BE SET UP.

Location SLC2/ARTISTIC PRINT Date 4/15/04

Project/Client Dot/Vape

Thomas E. Cook

~~2237~~ TEC 4/15/04 2203 · KUDA AND CRAIG MYERS OFFSITE WILL RETURN AT 0530 IN THE MORNING. OK

2245 OFFSITE TO GO BACK TO ROOM.

2250: BACK ONSITE. CONTAINMENT CARPENTRY CONTINUES. OK

2342: ER BREAKS FOR LUNCH. GO BACK TO HOTEL. GO THROUGH E-MAILS.

- ENTRIES CONTINUED ON PAGE 36

4/15/04

Location SLC2/ARTISTIC PRINT Date 4/15/04

Project/Client Dot/Vape

Thomas E. Cook

PHOTO LOG FOR 4/15/04

PICTURE	TIME	CAPTION	ASPECT
01	21:09	EXT. CONTAINMENT SETUP	SE
02	21:10	"	SW
03	21:14	ALONG STREET BY CONTAINMENT	E

- NO MORE PICS COLLECTED ON 4/15/04

4/15/04

Location SLC2/ARTISTIC PRINT Date 4/16/04

Project / Client DOT/VOLPE

THOMAS E. COOK

TODAY, SET UP CONTINES FOR THE INTERIOR CLEANING @ ARTISTIC PRINTING. — ENTRIES CONTINUED FROM PAGE 34.

0045: ARRIVE BACK ON SITE. ROUGH CARPENTRY CONTINES FOR CONTAINMENT SET UP

0115 - LEAVE SITE TO GO BACK TO HOTEL FOR SOME SLEEP. ER WILL CONTINUE SETTING UP CONTAINMENT.

0530 - RETURN TO SITE. THE CONTAINMENT IS ABOUT 25% COMPLETE. A HYTEC 4/16/04 WALL WAS BUILT INSIDE OUTSIDE THE EAST LOADING DOCK. POLY WAS HUNG ON THE WALL. ON THE OUTSIDE, A FRAME WAS CONSTRUCTED FROM THE DECON TRAILER TO THE EXTERIOR DOOR OF THE WEST LOADING DOCK.

0600 - ER NIGHT CREW OFFSITE.

1215 - ARRIVE ONSITE TO CHECK DAY CREW PROGRESS. A 2-MAN CREW IS APPLYING POLY OVER THE EXTERIOR EXCLUSION ZONE FENCE.

1230 - OFFSITE, RETURN TO ROOM FOR LUNCH

1400 - LOAD UP SAMPLING EQUIPMENT TO

Location SLC2/ARTISTIC PRINT Date 4/16/04

Project / Client DOT/VOLPE

THOMAS E. COOK

TAKE TO THE ER MOBILE OFFICE.

1530 - LOAD UP STUFF, MEET WITH KUDD, BYRON (ER) & CRAIG TO DISCUSS NIGHT-SHIFT SAFETY. ALSO TOUR INSIDE BUILDING TO OBSERVE HOW MUCH INVENTORY BILL & (ARTISTIC PRINTING) HAS MOVED.

* IN ORDER TO DETERMINE IF THE AREA ABOVE THE OFFICE NEEDS CLEANED, A 3 PT DUST SAMPLE WILL BE COLLECTED IN ACCORDANCE WITH THE FINAL DRAFT RAWP (EPA 2003).

WEATHER: SUNNY, 59°F, (INTERIOR SAMPLE)

PPE: LEVEL D.

Pump: SKC #612071

CALIBRATION: DRY CAL DC-LITE (SER #1783). THE PUMP IS CALIBRATED TO 20 LPM.

1800 COLLECT SLR2-00029 FROM 4/16/04 TEC

2 3 HORIZONTAL PLACES.

- SUBMIT SLR2-00028 AS BLANK

- SEE FDSD D-000001 FOR MONE INFO.

SLC 2/ARTISTIC PRINT 4/16/04

DOT/VCUPE

THOMAS E. COOK

-P. KUDARAUSKAS (VCUPE) HELPS COLLECT SAMPLE AND COMPLETE PAPER WORK. COMPLETED ON COC No. 00006 AND FEDEX AIRBILL No. 8449508890 1. ——— JE

1800 - ER CREW STARTS (CONTINUES) BUILDING CONTAINMENT @ SLC2/ARTISTIC PRINTING.

1750 - GO TO DINNER ——— JE

2020 - RETURN TO SITE ——— JE

-2 MEN INSIDE PUTTING UP WOOD FRAME FOR CONTAINMENT. THREE MEN OUTSIDE IN MODIFIED LEVEL C. THEY ARE DRESSING THROUGH THE DECON TRAILER. THE CURRENT SETUP (CONTAINMENT) WILL IN INCLUDE POLYING OFF THE EAST BAY ~~GATE~~ 4/16/04 LOADING DOCK. THE NE STORAGE AREA IS BEING SEGGREGATED SO THAT THE ARTISTIC PRINTING EMPLOYEES CAN PUT SUPPLIES THEY WON'T NEED IN THE NE STORAGE FOR CLEANING. ——— JE

2215 - GO INTO BUILDING. CONTINUE CARPENTRY.

~~2330~~ - GO BACK TO ROOM (OFFSITE).

2330 JEC 4/16/04 ——— JE

-NO MORE ENTRIES FOR 4/16/04

SLC 2/ARTISTIC PRINT. 4/17/04 39

DOT/VCUPE

THOMAS E. COOK

TODAY'S ACTIVITIES WILL CONTINUE CONTAINMENT SETUP FROM PG 38

0000 - ER 5-MAN CREW GOES ON BREAK. ——— JSC

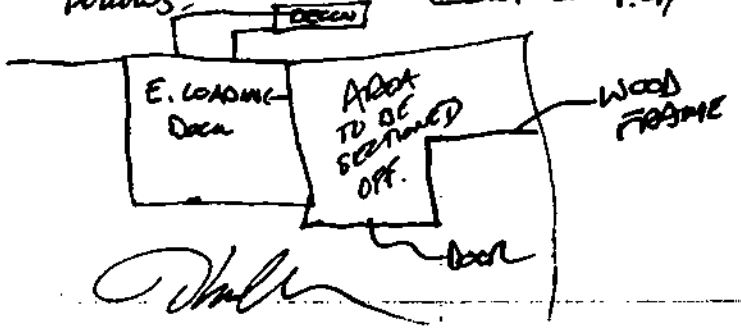
0200 - OFFSITE BACK TO THE HOTEL.

1730 - RETURN BACK TO THE SITE. ER CREW GETTING READY TO GO TO WORK. SOME FURNITURE HAS BEEN MOVED TO THE OFFICE TRAILER. ——— JSC

1800 - TAILGATE MEETING TO DISCUSS WHAT ACTIVITIES WILL TAKE PLACE TODAY.

1815 - ER WORKERS (5-MAN CREW) ENTER DECON TRAILER TO GO TO WORK. AS OF 0200, THE WOODEN FRAME HAS BEEN COMPLETED. ONE LAYER OF POLY HAS ALSO BEEN HUNG. THE PROCESS AS FOLLOWS:

CONT ON P. 41



Location SLC2 / ARTISTIC PRINT Date 4/17/04

Project / Client Dr. / Vope

Thomas E. Cook

PHOTO LOG

PICTURE	TIME	CAPTION	ASPECT
1.	1850	EXTERIOR CONTAINMENT	SW
2.	1851	"	E
3.	1851	"	SE
4.	1852	TUNNEL FROM DECON TRAILER TO LOADING DOCK	SE
5.	1853	INTERIOR CONTAINMENT	NE
6.	1853	"	N

NO MORE PHOTOGRAPHS

4/17/04

Location SLC2 / ARTISTIC PRINT Date 4/17/04

Project / Client Dr. / Vope

Thomas E. Cook

1855 - ER IS HAVING PROBLEMS WITH THE GENERATOR THAT SUPPLIES POWER TO THE DECON TRAILER. IT TURNS OUT THAT THERE WAS A FEW SWITCHES CHANGED BY DAY-CREW. PROBLEM SOLVED. — OK

1943 - DO ENTRY TO CHECK PROGRESS. CONTINUING TO PUT POLY ON OUTSIDE OF INTERIOR CONTAINMENT. THEY ADVISE THAT THEY MAY BE READY FOR A CONTAINMENT CHECK AFTER LUNCH AROUND 0100.

2220 - ENTERED CONTAINMENT. PROGRESS IS GOING WELL. FEW THIGS TO COVER WITH ER:

- MAKE SURE NEG-AR MACHINE IN DECON TRAILER IS ON.
- REMEMBER TO SIGN IN / OUT OF DECON TRAILER.
- NEED TO CONSTRUCT SOME STAIRS IN E LOADING DOCK. RIGHT NOW, ONLY 2 METAL BARS SERVE AS STEPS.
- 1130 - ER GOES ON LUNCH. LEAVE SITE FOR LUNCH. NO MORE ENTRIES FOR 4/7/04

Location SLC2 / ARTISTIC PRINT Date 4/18/04

Project / Client DOT VOLPE

Thomas E Cook

- CONTINUED FROM PAGE 41. TODAYS ACTIVITIES WILL INCLUDE CONTINUING CONTAINMENT SETUP. ——— OC

1030 - RETURN TO SITE FROM LUNCH. D. MANGASINO INFORMS ME THAT THE WILL BE READY FOR A CONTAINMENT CHECK SHORTLY. ——— OC

0113 ENTER CONTAINMENT FOR CHECK.

* USED A SMOKE TEST KIT (BULB & PIPE) TO TEST AIRFLOW. THE ENTIRE CONTAINMENT FOR THE EAST LOADING DOCK (PLUS 5 FEET FOR LOAD OUT) IS UNDER NEGATIVE PRESSURE USING A FORCE AIR 600.

- CHECKED ALL ENTRANCIES (DECON TUNNEL AND LOAD OUT "AIR LOCK." THE SMOKE WAS LEADING INTO CONTAINMENT. BEFORE WORK IS TO START MONDAY:

- THE NEGATIVE AIR HOG WILL NEED CONTINUOUS POWER. ——— OC

- ER WILL NEED TO CONSTRUCT STAIRS FROM THE LOADING DOCK "STREET LEVEL" TO "SHOP LEVEL" ——— OC

- ER TO PUT A FIRE EXTINGSHER INSIDE

Location SLC2 / ARTISTIC PRINTING Date 4/18/04

Project / Client DOT VOLPE

Thomas E Cook

CONTAINMENT ——— OC

- ER TO PUT STAND UP LIGHTS INSIDE

* OTHER THAN THAT, I AUTHORIZE THAT THE CONTAINMENT IS READY FOR ~~TEC~~ 4/18/04 TO BEGIN CLEANING ON MONDAY.

- WORK CONTINUES (SET UP CONTAINMENT NEAR THE INK SHOP). ——— OC

0500 - FINAL WALKTHROUGH. THE CREW CONSTRUCTED 10 FRAMES FOR THE INK SHOP CONTAINMENT AND STAIRS FOR EAST BAY LOADING DOCK ———

0530 - PREPING SITE FOR SUN OFF

~~NO MORE ENTRIES~~

0600 - OFFSITE, NO MORE ENTRIES

SLC2/ARTISTIC PRINTING 4/19/04
DOT/VOLPE
THOMAS E. COOK

TODAY'S ACTIVITIES WILL INCLUDE 1) BEGINNING INTERIOR CLEANING (WIPE-DOWN) AND 2) CONT. CONTAINMENT SETUP. COOK APPROVED THE CONTAINMENT ON SAT NIGHT (4/18/04 SO CLEANING WILL BEGIN TODAY. IN ADDITION, COOK WILL BEGIN COLLECTING PERSONAL AIR (PCM) AND STATIONARY PERIMETER AIR SAMPLES. DURING THE DAY ARTISTIC PRINTING HAD A SHIPMENT OF PAPER RECEIVED. ER LOGGED THE AMOUNT OF PAPER AND STORED THEM IN THE STORAGE TRAILERS. IN ADDITION, ER RECEIVED A FORKLIFT, A SECOND SCIZZOR LIFT, AND A HAZ WASTE ROLL OFF CONTAINER. ——— QEC

0600 - AN ADDITIONAL 8ER PEOPLE ARE ONSITE. A TOTAL OF 13 ER WORKERS WILL BE WORKING. WE TOOK A TOUR OF THE BUILDING (OUTSIDE CONTAINMENT) FOR THE NEW ER EMPLOYEES. QEC

COOK WILL NOW CALIBRATE THE SKC PERSONAL LOW VOL PUMPS FOR TONIGHT'S WORK. CONTINUED ON NEXT PAGE

SLC2/ARTISTIC PRINT 4/19/04
DOT/VOLPE
THOMAS E. COOK

-WEATHER - MOSTLY COLDY, OFF & ON RAIN. TEMP IS ABOUT 50°F. WILL PROBABLY BE RAINY TONIGHT. WINDS ARE CALM.

-WPE - WORKERS IN CONTAINMENT WILL BE IN LEVEL C. ———

TASKS - TASKS WILL INCLUDE WET-WIPPING ALL SURFACES AND HEPA VACUUMING ALL SURFACES ——— QEC

SKC LOW VOL PUMPS CALIBRATED: 612033, 626605, 602235, 626603, AND 626886. CALIBRATED USING DRY CAL DC-LITE (DC-1783). SEE FSDS, PA-000002, SA-000002, AND SA-000003 FOR ADD'L INFO.

-SEE PAGE 46 FOR STATIONARY AIR SAMPLE LOC.

1948 - START	SLR2-00030	(PERSONAL) QEC
2001 - START	SLR2-00031	(ETCL 4/19/04 S OF INT CONT). QEC
2010 - START QEC	SLR2-00032	(NE STORAGE STATIONARY)
2023 - START QEC	SLR2-00033	(NAFU E OF BLDG)
2034 - START	SLR2-00034	(EXT STATT N OF BLDG)

SLC2/ARTISTIC PRINT 4/19/04

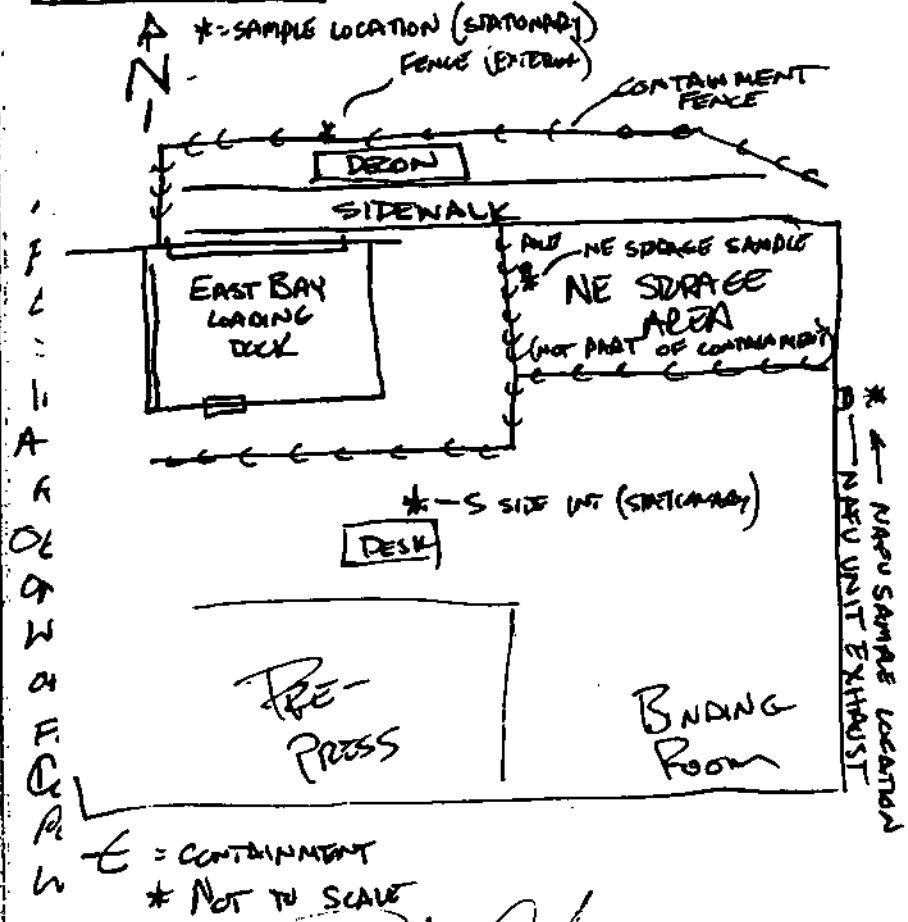
DOT/Volpe

THOMAS E. COOK

MAP: SKETCH OF ARTISTIC PRINTING

WHAT: LOCATIONS OF STATIONARY AIR SAMPLES

EFFECTIVE DATES: 04/19/04 THROUGH 04/22/04



SLC2/ARTISTIC PRINTING 4/19/04

DOT/Volpe

THOMAS E. COOK

- ALL SAMPLES WILL BE COLLECTED IN IA/W (LKS) THE FINAL DRAFT RESPONSE ACTION WORK PLAN
- THE WORK CREW CONSISTS OF 6 PEOPLE (ER) WORKING INSIDE CONTAINMENT DOING INTERIOR CLEANING. THERE IS 3 (ER) CREW MEMBERS WORKING ON CONTAINMENT CONSTRUCTION BY INKROOM. 2 FOREMAN.
- CLEANING / CONTAINMENT CONST. CONTINUES

2130 - THE CONTAINMENT CREW WILL BE COMING OUT FOR BREAK — TC

~~2253~~ 2135 STOP SLR2-00030 FOR BREAK.

2225 - THE CONTAINMENT CREW IS GOING BACK INTO CONTAINMENT — TC

2253 - RE-START SLR2-00030 — TC

- CREW GOES BACK TO INT. CLEANING IN CONTAINMENT. — TC

2358 - STOP SLR2-00030. THE FILTER LOOKS LIKE SOME CORN STARCH DEBRIS/DUST HAS ACCUMULATED ON THE SAMPLE.

0000 - CREW COMES OUT FOR LUNCH

- CONTINUED ON P 49. NO MORE ENTRIES FOR 4/19/04

Location SLC2/Artistic Printing Date 4/19/04

Subject Given: DOT/Volpe

Thomas E. Cook

PHOTO LOG FSL 4/19/04

Picture	Time	Caption	Aspect
1	2301	Exterior Containment	E
2	2305	Ink Room Containment Const.	S
3	2305	"	S
4	2304	N side of Int. Containment	E
5	2305	"	W

Location SLC2/Artistic Printing Date 4/20/04

Subject Given: DOT/Volpe

Thomas E. Cook

TODAY'S ACTIVITIES WILL INCLUDE CONTINUING CONTAINMENT CONSTRUCTION AROUND INK ROOM AND INTERIOR CLEANING IN THE E LOADING BAY. —

0115 - CREW IS HEADING BACK INTO CONTAINMENT. —

- CONTINUE PERSONAL AIR MONITORING.
- CALIBRATE SKC LOW VOL PUMPS # 612033 AND 666313 USING DRYCAL DC LITE (DC-1783). SEE FSOS PA-000002 - FOR ADDL INFORMATION. ALL SAMPLES TO BE COLLECTED IN/A/W FINAL DRAFT PALWP (11/03). WEATHER - CLOUDY, COLD ~40°F, PPE - LEVEL C. DASKS. CONTINUE INTERIOR CLEANING. —

0148 START — SLR2-00035 - PERSONAL TWA (INT. CLEAN, E DOCK)

0148 START — SLR2-00036 - PERSONAL EXC (INT. CLEAN, E DOCK).

- IT WAS DECIDED THAT ALL NEGATIVES IN BOXES WOULD BE CLEANED, PLACED ON PALLETS AND STORED IN THE STORAGE TRAILERS. EARLIER, IT WAS DISCUSSED THAT WE MAY REMOVE

Location SLC2 | ARTISTIC PRINT Date 04/20/0

Project / Client DOT | Vape

Thomas E. Cook

NEGATIVES FROM BOXES NUMBERED 20K & LOWER. ER DECIDED IT WOULD BE TOO LABOR INTENSIVE TO IDENTIFY AND SEGREGATE THESE BOXES. -9C

0204 - ENTERED BUILDING TO CHECK ON PUMPS. ALL ARE COLLECTING (ie. NO PUMP FAULTS).

0222 - STOP SLR2-00036. POST CALIBRATE WITH DRY-CAL DC-LITE (AS BEFORE) ——— 9C

0306 - ENTERED CONTAINMENT (LEVEL C). THE CREW IS REMOVING THE NEGATIVE BOXES AND VACUUMING. AFTER VACUUMING, THE NEGATIVES ARE STACKED ON A PALLET FOR STORAGE. -9C

0320 - EXIT CONTAINMENT ——— 9C

0328 - GO TO HOLD/STOP PERSONAL PUMP BECAUSE THE CREW IS GOING ON BREAK. NOTICED THAT THE PUMP STOPPED @ 33 MIN DUE TO LOW BATTERY (PUMP FAULT). THEREFORE, THE SAMPLE IS VOIDED. SAMPLE SLR2-00035 IS VOIDED. ——— 9C

0335 - CALIBRATE PUMP 666217 W DRY CAL DC-L 1783. ——— 9C

0422 - START SLR2-00037 PERSONAL AIR ——— 9C

0445 - THE CONTAINMENT CONSTRUCTION CREW

Location SLC 2 | ARTISTIC PRINT Date 04/[illegible]4

Project / Client DOT | Vape

Thomas E. Cook

HAS FRAMED APPROX 3 WINDOWS ALONG THE W WALL (EXTERIOR WINDOWS). ——— 9C

-0452 - START COLLECTING AIR PUMPS

-0455 ASSIGN SLR2-00038 AS ——— 9C

FIELD BLANK. ——— 9C

0458 STOP SLR2-00032 ——— 9C

0506 STOP SLR2-00033 ——— 9C

0508 STOP SLR2-00034 ——— 9C

0533 STOP SLR2-00037 ——— 9C

- SAMPLES SLR2-00030, SLR2-00037, SLR2-00036, AND SLR2-00038 ARE LISTED ON COC No 000007 FOR PCM. ——— 9C

- SAMPLES SLR2-00031, SLR2-00032, SLR2-00033, AND SLR2-00034 ARE LISTED ON COC No 000008 FOR TEM/AHEMA. SAMPLES SENT VIA FEDE AIRBILL 8449508-92242 NEXT DAY. ——— 9C.

*IN SUMMARY, EIGHT TO TEN PALLETS OF NEGATIVES WERE REMOVED FROM THE E. BAY. IN ADDITION THE INK ALUM CONTAINMENT FRAMING IS 95% COMPLETE. THE CREW WAS HANGING POLY ON THE EXTERIOR WINDOWS.

SLC2/ARTISTIC PRINTING 4/20/04

Dot Wope

Thomas E Cook

0550 - AL LANGE (EPA) ONSITE. BYRON (ER) ONSITE.
0610 - LEAVE SITE FOR FED EX. NO MORE ENTRIES

SLC2/ARTISTIC PRINTING 4/20/04

Dot Wope

Thomas E Cook

1800 - ARRIVE BACK @ SITE FOR 4/20/21/04 WORK. DURING THE DAY, THE FOLLOWING ACTIVITIES TOOK PLACE:
- ER HAD 2 TRAILERS MOBILIZED TO SITE
- ER HAD A HAND JACK MOB'D TO SITE

OTHER ISSUES: BILL BENSON WANTED THE CONTAINMENT POSITION BY THE INK ROOM MOVED SO THAT HE COULD HAVE ACCESS TO THE PAINT ROOM SUPPLIES. IN ADDITION, BILL MARKED SOME SUPPLIES THAT THE GOV'T CAN DISPOSE OFF. THIS INCLUDES SOME PAINT, THINNER, HOSES, AND OLD WIRES. THIS WILL BE PHOTOGRAPH DOCUMENTED PRIOR TO DISPOSAL.

1830 - ER CONDUCTS TOOL BOX/SAFETY MEETING.
1840 - CALIBRATE PUMPS 612071, 602235, 666217, 626886, AND 626605.
WITH DRYCAL DC-LITE DC LITE, DC L 1783 TO 2.00 LPM +/- .02.
WEATHER - CLOUDY, RAINY, 50°F, LIGHT WINDS.
PPE - LEVEL C (CONTAINMENT), LEVEL D (ALL OTHER)
* ALL SAMPLES WILL BE COLLECTED I/A/W THE FINAL DRAFT RAWP (EPA 11/03)

SLC2/ARTISTIC PRINT 4/20/04

Pat Wolpe
THOMAS E. Cook

TODAY'S TASKS WILL INCLUDE CONTINUE INTERIOR CLEANING IN THE E LOADING BAY CONTAINMENT AND CONTAINMENT CONSTRUCTION NEAR THE INK ROOM.

1849 START SLR2-00039 - PERSONAL AIR SAMPLE — QCC ON PERSON DOING INTERIOR CLEANING. — QC

1907 - START SLR2-00041 N EXT. PERIMTR — QCC

1911 - START SLR2-00042 INT. N, BINDING ROOM — QCC

1913 - START SLR2-00043 INT. NE STORE ROOM — QC

1915 - START SLR2-00044 EXT. NAEV, E BAY. — QC

*SEE FSDS SA-00004, SA-00005, AND PA-00004 FOR ADD'L INFORMATION — QC.

1941 - ASSIGN SLR2-00045 AS FIELD BLANK — QC

1953 - COMPLETE SHIPPING PAPERWORK — QCC

2001 - ENTER BUILDING TO OBSERVE PROGRESS. THERE ARE 2 CREWS OF 3 CLEANING THE NEGATIVES (BOXES) WHILE 3 PEOPLE ARE

SLC2/ARTISTIC PRINTING 04/20/

Pat Wolpe
THOMAS E. Cook

PHOTO LOG

PICTURE	TIME	CAPTION	ASPECT
1	0252	CREW CLEANING E BAY	N
2	0253	"	N
3	2002	UNLOADING CLEANED	S
	QC	E BAY CONTENTS	QC
4	2002	"	S
5	2003	"	SW
6	2035	CREW CLEANING	NW
	QC	NEGATIVES	QC
7	2359	"	E
8 (4/21/04)	0000	"	E
9 "	0001	VACUUMING E BAY	N
10	0526	FRAMING BY INK ROOM	S
11	0527	"	NW

- NO MORE PICS

SLC2/Artistic Print 04/20/04

Thomas E Cook

CLEANING THE NEGATIVES TO BE RECYCLED. CHECKED SOME NEGATIVE BOXES TO ENSURE THE ~~MOST~~ ALL OF THE FILM (DUST) THAT IS ACCESSIBLE IS REMOVED.
2110 - STOP SLR2-00039. NOTICED QUITE A BIT OF WHITE PARTICULATE MATTER ON FILTER. DECIDE TO COMPLETE THIS SAMPLE AND WILL START UP A NEW SAMPLE AFTER BREAK. ——— OR
2115 - CREW IS COMING OUT FOR BREAK.
2205 - CREW IS GOING BACK IN CONTAINMENT
2221 - START INTERIOR OR SLR2-00040 PERSONAL OR CLEANING.
2221 - START ON INTERIOR SLR2-00046 - EXCURSION REG CLEANING.
2241 - CHECK PUMPS. THE TWO PUMPS IN THE BUILDING OUTSIDE CONTAINMENT HAD A BROWN TINT TO THE FILTER. I WILL CHANGE THEM OUT AT LUNCH. NOTE THAT THERE IS A GAS HEATER THAT CONTINUALLY COMES ON PERIODICALLY. THIS POSSIBLY IS STIRRING UP DUST OUTSIDE THE CONTAINMENT. TALKED TO OR REGARDING THE CONCERN OF TOO MUCH DUST NOTICED ON SLR2-00039. THEY

SLC2/Artistic Print 4/20/04

Thomas E Cook

AGREED TO ADD ANOTHER NEG AIR MACHINE AS A CORRECTIVE ACTION. IT SHOULD BE IN BY LUNCH (CIOC). OR
2330 - ENTER CONTAINMENT. THE CREW IS SEGREGATED INTO 3 GROUPS A) VACUUMING NEGATIVE BOXES B) WET WIPING LARGER ITEMS, AND C) WIPING THE NEGATIVES TO BE RECYCLED. THIS TASK (WIPING NEGATIVES) IS VERY LABOR INTENSIVE AND WILL PROBABLY REQUIRE MORE NIGHTS - AT LEAST TWO. I WATCHED THEM VACUUM SEVERAL BOXES AND POINTED OUT THAT THEY NEED TO COVER AS MUCH OF BOX AS POSSIBLE. WIPING GOING VERY. TOOK FEW PICS THEN EXIT CONTAINMENT. ——— OR
- THIS CONCLUDES ENTRIES FOR 4/20/04.
- CONTINUED ON P. ~~60~~ 58 TEC 4/20/04

Location SLC2/Artistic Printing Date 4/21/04
Project Client Dot/Volpe
Thomas E. Cook

-Continued from 4/20/04 - p.57 — [illegible]
0024 - Stop SLR2-00040. ER crew going to lunch. The filter does not look as "dusty" as before.
0045 - ER goes to lunch
0145 - ER goes back to work.
0150 - Calibrate pump 626605 to 20 LPM +/- .02 for 3rd personal sample of the night. C. Ricks is not returning so I will hang the pump on another person. — [illegible]
0159 - Start SLR2-00047 personal air sampler — [illegible] vacuumer.
0215 - Noticed that ER has instaled another neg air machine in the containment (2000). Should help reduce particulate matter in ambient air. — [illegible]
0223 - Check pumps. Notice that samples SLR2-00042 and SLR2-00043 are brown on filters. Decide to stop & pull them.
0223 - Stop SLR2-00042 and do post calibration. — [illegible]
0224 - Stop SLR2-00043 and do post. [illegible]

Location SLC2/Artistic Print Date 4/21/04
Project Client Dot/Volpe
Thomas E. Cook

calibration. — [illegible]
0322 - M Taylor called and requested me to come inspect the dedicated electric fork lift. It has been losing power and ER is going to return it. - It looked okay so I gave the go ahead to remove it from containment. — [illegible]
0352 - Calibrate pump 626603 to 20 LPM
0354 - Stop SLR2-00047 - Due to low batter. Perform post calibration.
0403 Start SLR2-00048 Exc. on vacuumer — [illegible] in E bay.
0438 Pull SLR2-00048 and post calibrate.
0450 - Go to pull remaining stationary air samples. Notice that SLR2-00041 is not collecting properly although timer is still running. Decide to void this sample — [illegible]
0458 - Stop SLR2-00044 and post calibrate. — [illegible]
0518 - Pack up FedEx items. — [illegible]
0535 - Summary: Good progress was made tonight. Approx 90% of the E

Location SLC2/ARTISTIC PRINT Date 4/21/04

Project Dot Wape

Thomas E. Cook

BAY LOADING DOCK IS COMPLETE. THE CREW DID REALLY GOOD TONIGHT IN HELPING GET CLOSE TO SCHEDULE. IN ADDITION, THE CARPENTERS HUNG POLY AROUND THE WALLS OF THE INK ROOM. PENDING AL LANZE (EPA) CONVERSATION WITH BILL BENSON, THE TEMPORARY WALL (FRAMING) WILL EITHER REMAIN IN PLACE OR BE MOVED. ——— [illegible]

0600 - LEAVE SITE, NO MORE ENTRIES

[illegible]

Location SLC2/ARTISTIC PRINT Date 4/21/04

Project Dot Wape

Thomas E. Cook

(1800) ~~0600~~ TEC Hailey - ARRIVE AT SITE AND PREPARE FOR DAYS ACTIVITIES ——— [illegible]

WEATHER MOSTLY SUNNY ~ 45°F. TONIGHT, FORECAST IS RAIN & COLD. LT. WINDS

TASKS - THE PRIMARY TASKS FOR TONIGHT ARE:

A) CONTINUE INTERIOR CLEANING (VACUUM AND WET WIPPING) OF THE E LOADING BAY AREA.

B) CONTINUE BUILDING THE CONTAINMENT FOR THE AREA AROUND THE INK ROOM.

C) TWO PEOPLE WILL BE TAKING INVENTORY OF THE CHEMICALS IN THE INK ROOM.

PPE - LEVEL C FOR TASKS A & C, LEVEL D FOR TASK B. ——— [illegible]

(1810) ~~0610~~ TEC ER TOOL BOX MEETING. I GAVE A TALK ON PARTICULATES AND SAFETY W RESPECT TO PCM, PEL, ER.

1830 - ALL SAMPLING WILL BE DONE I/A/W THE DRAFT FINAL RESPONSE ACTION WORK PLAN (RAMP) (EPA 2003) FOR THE LIBBY ASBESTOS PROJECT. ——— [illegible]

1831 - CALIBRATE PUMPS 612071 & 626603 TO 2.00 LPM +/- .02. USING DRY CAL DC-L 1783.

[illegible]

Location SLC2/Artistic Print Date 4/21/04

Project/Client Dot/Volpe

Thomas E. Cook

Calibrate pumps 666323, 602235, 666217, and 666313 to 2.50 LPM +/- .02. Using dry cal DC-L 1783.

1853 - Start SLR2-00049 on person in E Bay loading dock doing task A.

1900 - Go to ER office to get some 250 ml glass jars for sampling asbestos in Decon trailer grey water.

1930 - Return back to site. Go check on the 2 ER personel doing task C. I recommend to ER that they should have some organic/flow cartridges on. ER will replace them.

1952 - Start SLR2-00052 on person doing task C.

2014 - Start SLR2-00055 ext. containment

2019 - Start SLR2-00056 int. outside component

2021 Start SLR2-00057 - NE Straight area.

2027 - Start SLR2-00058 - NAPU

SLC2/Artistic Printing 4/21/04

Dot/Volpe

Thomas E. Cook

*See page 46 for stationary AIR sampling locations.

2100 - Assign SLR2-00059 Blank

2120 - ER is coming out for break

2120 - Stop (pause) SLR2-00052

2118 Stop (pause) SLR2-00049

2145 ~~2200~~ - ER is going back to ~~break~~ work

2229 - Restart SLR2-00052

2210 - Restart SLR2-00049

- ER continuing task A, B, & C.

- 2330 - ER is coming out for lunch

- Stop SLR2-00049 and post calibrate.

- 2334 - Stop SLR2-00052 and post cal.

2358 - Lunch. This concludes entries for 4/21/04.

Location SLC2/Artistic Printing Date 4/22/04

Project/Client Pot/Vape

Thomas E. Cook

0000 - Continue previous days activities
0030 - ER is going back to work.
- Calibrate pumps 612071 and 626603 to 2.00 LPM +/- .02. — [initials]
0049 - Start on E Bay — SLR2-00050 — Personal [initials] cleaning
0103 - Start on Ink Room — SLR2-00053 — Personal [initials] counting.
* While doing pump check, I notice that pump 666313 (SLR2-00058) stopped @ 2344 (17 min). Because 1,200 L is necessary, I took that sample and re-calibrated SKC pump 626886 to 2.50 LPM +/- .02 to continue sampling.
* Now prepare excursion samples — [initials]
- Calibrate pumps 626605 and 612033 to 2.0 LPM +/- .02 with Drycal DC-L 1783. — [initials]
0147 - Start Bay loading — SLR2-00051 — Excur. in E. [initials] Dock.
0147 - Start — SLR2-00054 — Excur in Ink Room [initials]
0218 - Stop SLR2-00054 — [initials]
0220 - Stop SLR2-00051 — [initials]

[signature]

Location SLC2/Artistic Printing Date 4/22/04

Project/Client Pot/Vape

Thomas E. Cook

0230 - ~~0245~~ - M. Taylor asks me to do a containment check on the containment adjacent to the Ink Room. Entered in containment in Mod. Level C. Use smoke test kit to ensure airflow is moving into the containment.
* Used an Omniguard III to check neg. pressure. The diff press reader read -0.013" VC. Passed containment so vacuuming will begin tomorrow night.
- Decide to stop pumps and prepare paperwork. — [initials]
0241 - Stop SLR2-00050 (ER break)
~~0220 - Stop SLR2-00051 (")~~ — [initials]
0245 - Stop SLR2-00053 (ER break)
0342 - Restart SLR2-00053
* Note that SLR2-00050 has a pump fault so the sample is voided.
0440 - Stop SLR2-00053 — [initials]
0457 - Stop SLR2-00056 — [initials]
0458 - Stop SLR2-00057 — [initials]
0459 - Stop SLR2-00058 — [initials]
0501 - Stop SLR2-00055 — [initials]

[signature]

Location SLC2/ARTISTIC PRINTING Date 4/22/04

Project Client DOT/VOLPE

Thomas E. Cook

0515-PERFOR POST CALIBRATION WITH THE SAME DC-L 1783 DRYCAL.

*SEE FSDS SA-000006, SA-000007, PA-00005, PA-00006, AND PA-000007 FOR ADDITIONAL SAMPLE INFORMATION. PCM/PERSONAL SAMPLES INCLUDED ON COC No. 000012 AND TEM/STATIONARY SAMPLES ARE INCLUDED ON COC No 0000011. RELINQUISH SAMPLES AND PREPARE FEDEX WITH AIRBILL No. 844950892220.

600- IN SUMMARY THE NIGHT WAS A PRODUCTIVE ONE. BY THE INK ROOM, THE NORTH CONTAINMENT WAS COMPLETED AND CHECKED. IT IS A NICE SEALED CONTAINMENT ALTHOUGH I AM NOT COMFORTABLE WITH PULLING MAKE UP AIR FROM THE "DIRTY" AREA IN THE PRESS ROOM. TOMORROW (THIS EVENING) I WILL HAVE CRACK SOME WINDOWS FOR MAKE AIR FROM OUTSIDE. THE SOUTHERN PART OF THE INK ROOM CONTAINMENT IS 95% COMPLETE. THERE NEEDS TO BE A FLAP INSTALLED IN THE AIR LOCK.

- IN THE E BAY LOADING DOCK, THE ER CREW CLEANED (FINISHED) THE NEGATIVES

Location SLC2/ARTISTIC PRINTING Date 4/22/04

Project Client DOT/VOLPE

Thomas E. Cook

WHICH WAS VERY LABOR INTENSIVE. THREE TO FOUR PEOPLE WORKED ON THAT ALL NIGHT. IN ADDITION, SOME LARGER EQUIPMENT WAS DECONED AND BROUGHT OUT TO THE STORAGE TRAILERS. ALSO, THE CAR WAS WET-WIPPED AND HEPA VACUUMED ON THE EXTERIOR. THE ONLY THING REMAINING IN THE E BAY LOADING DOCK IS ER EQUIPMENT (AND THE CAR) THAT NEEDS TO BE DECONED BEFORE BRINGING OUT. NO OTHER MAJOR ISSUES.

0630-TALK W DALE ROMERO (EPA) ABOUT DAYS ACTIVITIES AND LEAVE SITE-

SLC2/ARTISTIC PRINTING 4/22/04

Dot/Vape

Thomas E. Cook

PHOTO LOG FOR 4/21/04/4/22/04

PICTURE	TIME	CAPTION	APPT.
1	0144	INVENTORY PAINT/CHEMICALS	W
2	0146	CONTAINMENT BY INK ROOM	SW
3	0147	CLEANING NEGATIVES IN E BAY LOADING DOCK	N
4	0147	"	NW
5	0148	E BAY - CLEANING CAR & NEGATIVES	S
6	0209	VACUUM E BAY	S
7	0209	"	"
8	0354	N INK ROOM CONTAINMENT SHOWING LOAD OUT DOOR	W
9	0354	INK ROOM CONTAINMENT	S

- NO MORE PHOTOS

SLC2/ARTISTIC PRINTING 4/22/04 69

Dot/Vape

Thomas E. Cook

1800 - ARRIVE ONSITE. ER IS HAVING A TOOL BOX SAFETY MEETING. EXPLAIN IMPORTANCE OF MINIMIZING DUST, CORRECT INGRESS, EGRESS PROCEDURES, AND KEEPING THE DOORS (FLAPS) CLOSED IN THE INK ROOM CONTAINMENT. — ER

- WHILE DOING WALKTHROUGH, I NOTICE THAT THE NEG AIR MACHINES IN THE E BAY LOADING AREA ARE OFF. THE GENERATOR IS OFF (TURNING IT BACK ON). TALK WITH MERRILL TAYLOR ABOUT THE INK ROOM CONTAINMENT. SUGGEST OPENING AN EXTERIOR WINDOW TO ALLOW FRESH OUTSIDE AIR IN AS MAKE UP AIR. THAT WAY MAKE UP AIR IS NOT BEING PULLED IN FROM THE PRESS ROOM, BUT THE OUTSIDE. ~~CALIBRATE VAC PUMPS~~ TEC 4/28/04. THE FOLLOWING TASKS WILL BE PERFORMED TONIGHT BY ER:

A) CONSTRUCT CONTAINMENT IS S STORAGE AREA / POLY WINDOWS ON S & W SIDES OF BUILDING.

SLC2/ARTISTIC PRINT 4/22/04

Dot Vape

Thomas E. Cook

B) WET WIPE & HEPA VACUUM ITEMS WITHIN THE INK ROOM CONTAINMENT.

C) DECON ITEMS IN CONTAINMENT IN THE E LOADING BAY.

D) PRESSURE WASH E LOADING BAY.

WEATHER: CLEAR, AND WINDY (FROM THE N)

PPE: LEVEL C FOR TASKS B, C, & D
LEVEL D FOR A AND SUPPORT STAFF

SAMPLES TODAY WILL BE COLLECTED I/A/W THE FINAL DRAFT RAWP FOR THE LOBBY ASBESTOS PROJECT (EPA 11/03).

1735 - CALIBRATE SKF PUMPS 626605, 626798, 612071, 626886, 626603, 602235, 666217, AND 666323 WITH DRYCAL DC-L 1783.

1954 - START SLR2-00060 - N OF EXT. CONTAINMENT

1958 - START SLR2-00061 - N BINDING ROOM

TALK TO D. ROMERO ABOUT CURRENT SAMPLE SETUP

2036 - START SLR2-00062: NE STORAGE AREA

2040 - START SLR2-00063 - NAFU, E SIDE

2055 - START SLR2-00064 - NAFU, W SIDE

SLC2/ARTISTIC PRINT 4/22/04

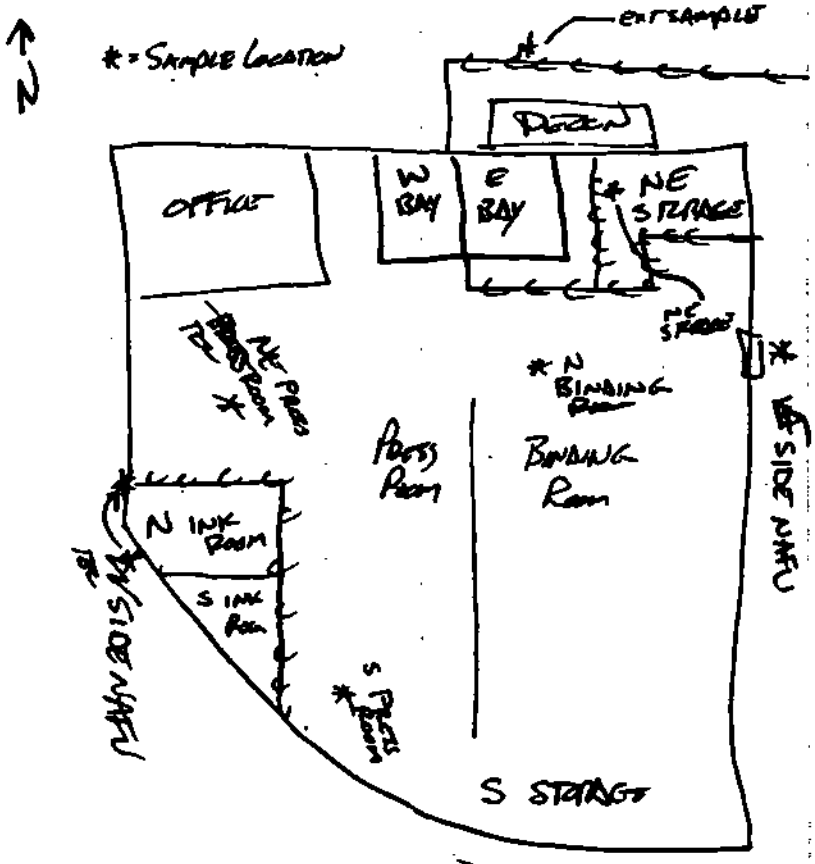
Dot Vape

Thomas E. Cook

MAP: SKETCH OF ARTISTIC PRINTING

WHAT: LOCATIONS OF STATIONARY AIR SAMPLES

EFFECTIVE DATES 04/23/04 THROUGH



NOT TO SCALE

Location SLC2/Artistic Printing Date 4/22/04

Project Dot Wave

Thomas E. Cook

2101 START SLR2-00065 - N of Ink Room

2112 START SLR2-00066 - Middle of Press Room

*See pages 71 for stationary sample locations.

2132 - ER is coming out for break.

2158 - ER is going back into containment.

2243 - START SLR2-00067 - Ink Room Cleaning

2322 - Notice that sample SLR2-SLR2-00066 (stationary) has stopped due to low battery. Perform post calibration and re-start sample

2342 - ON STOP PUMP SLR2-00067 for lunch.

0000 - ER is coming out for lunch. This concludes entries for 4/22/04.

Location SLC2/Artistic Printing Date 4/23/04

Project Dot Wave

Thomas E. Cook

- Continue interior cleaning of Artistic Printing.

- Continued from previous page.

0100 - Walk around to check pumps. Notice that all windows on S & W side of building is complete w/ poly. Also the framing for the S storage area is progressing.

- 0115 - START SLR2-00068 - Excursion Ink Room Jun.

- Notice that ER is going to start pressure washing the E loading bay dock. Collect a few photos and decide to collect a sample. On pressure wash person

0152 - Assign SLR2-00069 for blank

0200 - Calibrate SKC pump 626798 w/ ~~SKC~~ TER DC-L 1783.

0203 - START SLR2-00070 Pressure Wash

- The entire E bay is wet so there should not be a problem w/ debris in the air.

Location SLC2/Artistic Printing Date 4/23/04

Project Client Det Wape

Thomas E Cook

0250 - ER is going on break so I will go pause pumps for break

0253 - Notice that sample SLR2-00030/Pump 626798 has stopped - flow fault so the sample will be voided. ——— [illegible]

0312 - ER is on ~~break~~ break per 4/23/04. Go to another pump check. All okay,

0400 - Decide to pull pumps & start calibration paperwork. ——— [illegible]

NOTE: 0252 - STOP SLR2-00067 for DO/ - perform post calibration ——— [illegible]

*See FSDS PA-00008 & PA-00009 for ADDL information. PCM/Personals entered on COC #13.

0429 - STOP SLR2-00063

0437 - STOP SLR2-00065

0418 - STOP SLR2-00060

0422 - STOP SLR2-00061

0424 STOP - SLR2-00062

0435 - STOP SLR2-00066

0443 - STOP SLR2-00064

*See FSDS SA-00008, SA-00009, & SA-00010 for ADDL info. Entered on COC #14. [illegible]

[illegible] 4/23/04

[illegible]

Location SLC2/Artistic Printing Date 4/23/04

Project Client Det/Wape

Thomas E Cook

0545 - Summary: In general, today's shift went well. The E loading bay was complete. All ER equipment was decomed and removed. During the second half of the shift, 2 crew members pressure washed the E loading bay area. Had ER mist the walls prior to pressure washing. It appeared to go good. ER built a dyke around the drain and will be pumping out the water tomorrow. It was a slow start in the ink room containment area as ER was still finishing up the S ink room containment. Had ER open some windows to allow fresh make up air. Because we are limited on space due to Artistic Printing remaining open during business hours, the ER crew was cleaning items in the ink room containment and bringing them through the pressroom (still dirty) to the loading dock and stored in

[illegible]

Location SLC 2/Artistic Printing Date 4/23/04

Dot Vape

Thomas E Cook

THE ONSITE STORAGE TRAILERS. I PERIODICALLY INSPECTED THEM (CONTENTS) AS THEY WERE COMING OUT TO ENSURE THEY HAD BEEN CLEANED PROPERLY. THE CONTAINMENT AROUND THE S STORAGE ROOM IS ~70% COMPLETE, NEED TO FINISH HANGING POLY AND INSTALL SOME NEG AIR MACHINES.

0615 OFFSITE. NO MORE ENTRIES

4/23/04

Location SLC 2/Artistic Printing Date 4/23/04

Dot Vape

Thomas E Cook

0600 - ARRIVE ONSITE. BRIAN PYLES (CDM) IS HERE AND I WILL BE TRAINING HIM AS HE WILL BE REPLACING ~~HIM~~ ME FOR THE NEXT 2 WEEKS.

WEATHER - SUNNY ~58°F, LIGHT WINDS.

TASKS: ER WILL BE DOING THE FOLLOWING:

A) CONTAINMENT CONSTRUCTION AROUND S STORAGE AREA.

B) INTERIOR CLEANING (HEPA VAC/WIPE DOWN) IN INK ROOMS.

C) PRESSURE WASH/ENCAP E LOADING BAY

D) SUPPORT STAFF

PPE - LEVEL C FOR TASKS B & C
LEVEL D FOR TASKS A & D

SAMPLING - ALL SAMPLES WILL BE COLLECTED I/A/W THE FINAL DRAFT RESPONSE ACTION WORK PLAN (RAWP) FOR THE LIBBY ASBESTOS PROJECT (EPA 11/03). SEE PAGE 71 FOR SAMPLE LOCATIONS.

* RELINQUISH LOGBOOK TO BRIAN PYLES

1730 calibrated pumps 602235, 626605, 666217, 666323, 666313, 626886, 612071 to 2.5 ml/mil with Drycal DCC 1783

SLC2/Artistic Printing 4/23/04
DOT/Volpe
Brian Pyles - CDM

1940	SLR2-00071	Started NAFU on W side of Building
1949	SLR2-00072	NW Press by N ink Room containment
1951	SLR2-00073	SW Press Rm by SE Containment
1951	SLR2-00074	N. Binding Room South side of east containment
1953	SLR2-00075	NE Storage Area
1958	SLR2-00076	NAFU East side of building
2000	SLR2-00077	Outside Fence North of Shower trailer

BP 4/23/04

2005 Calibrated Pump 6266003 to 2.0 l/m with Dri Cal DCL 1783.

2012 SLR2-00078 Start Task: interior Cleaning/Hepa Vac

*Personal TWA

2045 Did Pump check and Sample SLR2-00075 was in low battery Hold. Post calibrated and Calibrated Pump GR033 to sample 2 l/m

2105 Restarted SLR2-00075.

B.Pyles

SLC2/Artistic Printing 4/23/04
DOT/Volpe
Brian Pyles.

2145 Restarted SLR2-00078.

2148 Checked pumps. SLR2-00075 was in battery Pump Hold. Decided to Void Sample. 2 pump faults 666313 + 612033. Will check to see if there is a pattern with these pumps.

- Author: Thomas E. Cook

ER BACK TO WORK DOING TASK A-D.

- 2150 - GO BACK TO HOTEL TO GET & PUTS SOME BOXES TO STORE.

- 2337 - STOP SLR2-00078 AS ER IS GOING TO LUNCH.

2359 - GO TO LUNCH / HOTEL.

* NO MORE ENTRIES FOR 4/23/04

80

Location SLCR2 / Artistic Printing Date 4/24/04

Project Client Dot Wipe

Thomas E. Cook

THIS ENTRY CONTINUES ACTIVITIES FROM 4/23/04. SEE PAGE 77 FOR DETAILS

0100 - ER GOING BACK TO WORK. THE CREW IN THE E BAY JACKED THE CAR UP TO PRESSURE WASH THE UNDERCARRIAGE. THEY ARE IN THE PROCESS OF PUMPING THE WATER OUT NOW.

0119 - RESTART SLR2-00078

0119 - START SLR2-00079 EXCLUSION ON T. MUL

0119 - ASSIGN SLR2-00080 AS FIELD BANK,

0149 - STOP SLR2-00079 AND PERFORM POST CALIBRATION.

0158 - NOTICE THAT SAMPLE SLR2-00072 HAS STOPPED @ 350 MIN BECAUSE OF LOW BATTERY. SAMPLE PULLED AND POST-CALIBRATED.

0248 - STOP SLR2-00078 FOR ER BREAK.

0350 - STOP SLR2-00071 & POST CALIBRATE.

~~0416~~ TOLO 401 - STOP SLR2-00073 AND POST CALIBRATE.

0421 - STOP SLR2-00076 AND POST CALIBRATE

0422 - STOP SLR2-00074 AND POST CALIBRATE

0423 - STOP SLR2-00077 AND POST CALIBRATE

Location SLC2 / Artistic Printing Date 4/24/04

Project Client Dot Wipe

Thomas E. Cook

PHOTO LOG

DATE	PIC	TIME	CAPTION	ASPECT
04/23	1	0116	PRESSURE WASH E BAY	S
04/23	2	0117	"	S
04/23	3	0117	"	S
04/24	1	0108	N INK ROOM CLEANING	W
04/24	2	0120	E BAY CLEANING	S
04/24	3	0133	N INK ROOM CLEANING	W
04/24	4	0135	S INK ROOM CLEANING	W
04/24	5	0136	S STORAGE ROOM CONTAINMENT	W
04/24	6	0136	"	S
04/24	7	0149	N INK ROOM CLEANING	W

NO MORE PHOTOGRAPHS

Location SLC2/R/Arts. Print Date 4/24/04

Project/Client DOT/Volpe

Thomas E. Cal

-Continued from page 80. See FSDS: SA-00011, SA-00012, SA-00013, and PA-00010. Persons on COC No 15 & TCM/Aherds on COC No 16.

0445- Summary: Continued ink room cleaning. 75% complete. Finish detail E loading bay. 75% containment around S storage room 85% complete

* I now relinquish the logbook to Brian Pyles. No more entries

Location SLC2/Artistic Printing Date 4/23/04

Project/Client DOT/Volpe

Brian Pyles

1700 Arrived @ site. ER workes present

Weather: Sunny 60°F, Calm.

Tasks: ER will be preforming following tasks:

(A) Containment construction on South end of building.

(B) interior cleaning (Hepa vac/wipe down) in ink Rm.

(C) Wipe down still in loading bay + inspection later on.

(D) support

PPE - A+D Level D

- BC Level C

Sampling - All samples will be collected I/A/W the Final Draft Response action Work Plan (RAWP) For Libby Asbestos Project (EPA 11/03. See pg 71 for sample locations

1800 calibrated all pumps 666217, 626603, 626886, 666323, 626605, 612071, 602235 to 2.5 l/m with Dry Cal DCL 1783.

Sampling as follows:

Started

1855 SLR2-00081 NAFU - West Side of Building

Location SLR2-~~00~~ Artistic Printing Date 4/24/03

Project Client DOT/ Volpe

Brian Pyles

Started		
1857	SLR2-00082	North side of North ink Room containment
1900	SLR2-00083	SW side of South ink Room containment
1903	SLR2-00084	SE corner outside east bay loading dock
1907	SLR2-00085	Inside inventory storage Room area
1910	SLR2-00086	NAFU east side of building
1912	SLR2-00087	on exterior construction fence North of shower trailers.

1925 calibrated personal Air pumps to 20 l/m with Dry cal DCL-1783. Pump # 612033

Starte		
1935	SLR2-00088	personal in ink Rm (wipe down + Hepa Vac

2000 went into containment for inspection of Loading dock (west Bay). Car (63 Thunderbird) was only issue. Could Not get access to Trunk or under hood. Workers jacked car up and cleaned what they could from bottom. Will wrap car in place and No further action

Location SLR2/Artistic Printing Date 4/24/04

Project Client DOT/Volpe

Brian Pyles

Discussed issue with Tommy Cook + Merrel Taylor.

2100 Personal Sample SLR2-00088 went down 2 minutes after starting. Low Battery fault. Noticed when worker came out for ~~lunch~~ Break. Restart sample with new pump 666313

2205 Restarted sample.

2215 Employee came out to check sample and second pump had failed. Decided to void sample. No Personal sample for today. Sample SLR2-00088 was VOID.

2300 Checked pumps. OK.

2350 Broke for lunch.

No Further info 4/24/04

Location SLR2/Artistic Printing Date 4/25/04

Project/Client DOT/Volpe

Brian Pykes

0100 back into containmnato.

0150 Ran 30minute excursion on worker in ink Room (Cleaning - Hepa/ wet wipe/.

0150 Start SLR2-00089 Pump 626798 AP 4/26/04 calibrated @ 20 L/M

SLR2-00090 Assigned Field Blank for Sample

0224 Collected sample & preformed post cal on SLR2-00089.

0308 collected SLR2-00087

0310 " SLR2-00081

0313 " SLR2-00082

0315 " SLR2-00083

0319 " SLR2-00084

0321 " SLR2-00085 noticed pump failed @ 385 minutes into sample. Only 966 L total. Stopped due to low battery fault.

0323 collected SLR2-00086

FCOC# SA-000014, 000015, 000016, PA-000011. COC# 000017, 000018. Post calibrated pumps and completed paperwork. No Photos were taken today. No major changes.

~~No Further entries~~ BW

Location SLR2/Artistic Printing Date 4/26/04

Project/Client DOT/Volpe

Brian Pykes

1700 Arrived @ site.

Weather: 65°F Sunny.

Tasks: Daily Task for ER.

(A) Hepa Vacum/ wipedown. interior cleaning

(B) Containmnt construction

(C) support.

PPE: Level C for Task A

Level D for Task B & C.

Sampling: All sampling will be collected I/A/W RAWP for Libby Asbestos project. EPA 11/03.

1730 Calibrated pumps 666323, 602235, 626603, 666212, 612071 to 2.5 l/m with Dry cal meter # DCL 1783.

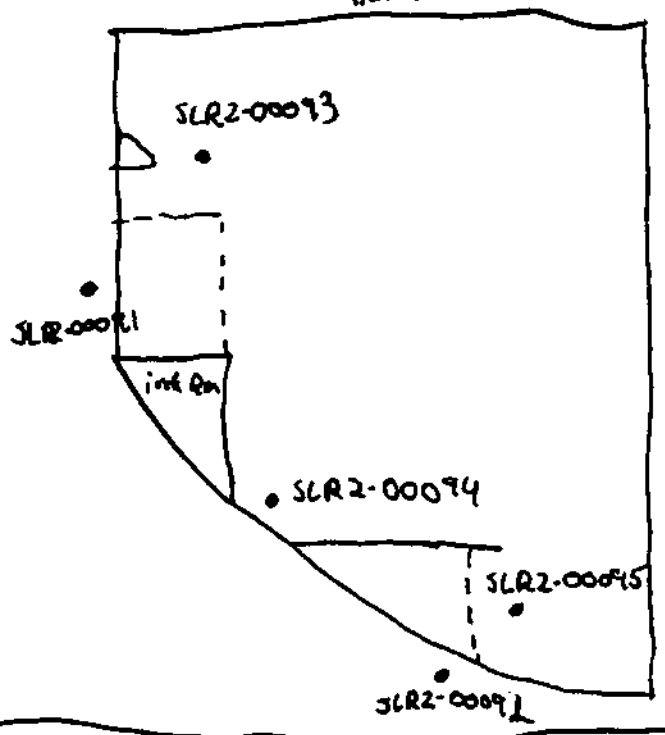
Sampling as follows:

Started		
1840	SLR2-00091	— NAFU - West side of building
1843	SLR2-00092	— NAFU - South side of building
1847	SLR2-00093	— North side ink Room (west) containment
1855	SLR2-00094	— East side ink Room Containmnt

AP 4/26/04

Location SLR2/Artistic Printing Date 4/26/04
Project / Client 377 W 100 S DOT/Volpe
Brian Pyles

1900 SLR2-00095 East side of South Storage area containment.
4/26/04



1903 Calibrated Personal Air Pumps 626886 to 2.0 l/m. with Drycal DCL1783.

1905 SLR2-00096 Started Sample, Task: Hepa Vac + Wipe down in ink Room South.
4/26/04

Location SLR2/Artistic Printing Date 4/26/04
Project / Client DOT/Volpe
/ Brian Pyles

1930 Passed containment check on South Storage area containment. Workers started cleaning in this area. Since this was area of higher structures decided to put addition neg Air machine to help Scrub air.

1945 Started preparing for clearance in East loading dock area.

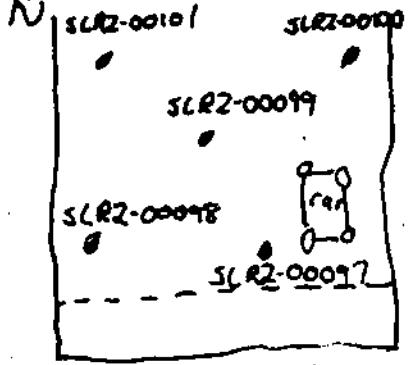
2015 Went to containment to set up clearance in East loading dock.

Started Sampling as follows:

2040	SLR2-00097
2043	SLR2-00098
2047	SLR2-00099
2050	SLR2-00100
2055	SLR2-00101

4/26/04

Locations in East loading dock



Calibrated pumps to 6 l/m with drycal DCL 1783. Will Run for 3hr + 40min.

Location SLR2 / Artistic Printing Date 4/26/04

Project / Client DOT/Volpe

Brian Rylos

2140 Calibrated pump 626798 to 2.0 l/m for 30 min excursion.

2240 SLR2-00102 AP 4/26/04 Started Sample

2242 Collected sample

2300 Went into containment and inspected old print machines in north ink Room containment. Still had ink and little grease but visibly clean of dust. Workers covering print machines and completing cleaning of Room.

2355 Broke for lunch.

No Further entries

Location SLR2/Artistic Printing Date 4/27/04 27 BP 4/27/04

Project / Client DOT/Volpe

Brian Rylos

0002 Street Sweeper by site stirring up dust.

0015 Into containment to collect Clearance Collected Samples.

0030 SLR2-00097 FSDS# SA-000019

0033 SLR2-00098 SA-000020

0036 SLR2-00099 COC# 000021

0038 SLR2-00100 Clearance Samples

0040 SLR2-00101 Requested 24hr TAT.

0055 left containment.

0307 Collected Personal sample SLR2-00096

Total Flow 687 L FSDS# PA-00002 COC# 000019

0320 collected perimeter Air sample SLR2-00091

0323 SLR2-00092 FSDS# SA-000017

0331 SLR2-00093 SA-000018

0346 SLR2-00094 COC# 000020

0342 SLR2-00095

BLANK SLR2-00103 Today's sample blank. AP 4/27/04 went with clearance Samples.

0510 Dropped samples into Fedex.

No Further entries 4/27/04

Location SLR2/Artistic Printing Date 4/27/04

Project / Client DOT/Volpe

Brian Pyles

1600 Arrived @ Site. EPA (Craig Meyers) requested us on site to go through Building east of site on corner. Dust samples were collected in building + need to grid out and further delenate areas to be cleaned.

Weather: Sunny 60°F

Tasks: (A) Hepa vac/wipe down
(B) containment set up
(C) Support personal

PPE: Level C for Task A
Level D for B + C.

Sampling: All sampling will be collected I/A/W RAWP for Libby Asbestos project EPA 11/02.

Calibrated pumps 666323, 602235, 626603, 666217, 612071, 626856. to 2.5 l/M with Dry Cal DC 1783.

Sampling is as follows:

1830 SLR2-00106 NAFU East side of building

1833 SLR2-00107 NAFU South side of building

1838 SLR2-00108 NAFU west side of building

Location SLR2/Artistic Printing Date 4/27/04

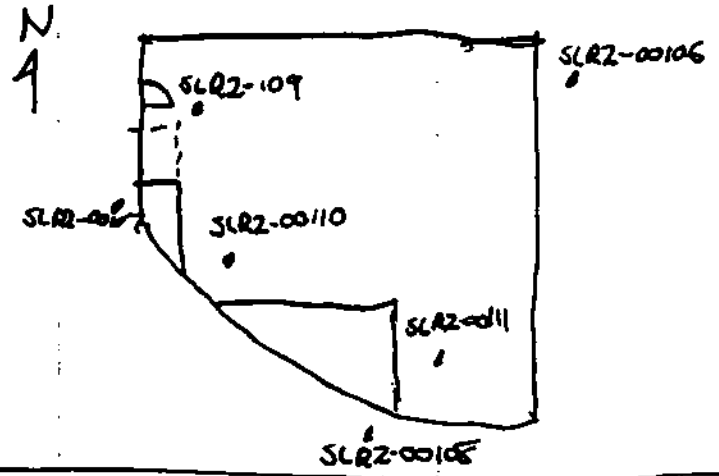
Project / Client DOT/Volpe

Brian Pyles

1842 SLR2-00109 North side of ink Room containment

1850 SLR2-00110 SE Corner of int Room Containment

1855 SLR2-00111 East side of South Storage area containment



1920 Calibrated personal Air pump.

1930 SLR2-00112 personal 8hr sample Task: wet wipe/Hepa vac. South Storage area.

1940 Discussion with Craig Meyers EPA + ER. Will sample grey water from trailers for LA tonight and ship tomorrow to Denver.

Location SLR2/Artistic Printing Date 4/~~22~~ 27/04

Project / Client DOT/Volpe BP 4/25/04

[signature] Brian Pyles

2020 Left site to get cooler, ice, etc to ship samples Fedex.

2110 Returned to site. ER on break.

2135 Restarted Personal Sample on ER worker

2300 Entered boundary to inspect containment North Side of ink Rm. Passed inspection.

2330 exited containment.

2350 ER left containment for break

4/26/04 B. Pyles

SLR2/Artistic Printing 4/26/04

DOT/Volpe

[signature] / Brian Pyles

0020 Byron (ER) could not Find Fittings or filters for grey water sampling, No Sample will be collected tonight, Everything prepared but no water

0210 Calibrated & started 30 min excursion sample on worker

0210 SLR2-00113 Started Sample: Hepa Vac/ Wipe down.

0240 collect ~~[illegible]~~ 4/25/04 Sample.

SLR2-00114 will be Field Blank for Personal Air

Samples collected today.

0320 collected SLR2-00106 FSDS# SA-000021

0323 107 22

0327 108 COC#

0335 109

0339 110

0400 Sealed & Packe samples for Shipment

0420 left to mail

[signature] 4/26/04

Location: SLCR2-0001 Date: 4/28/04

Project Client: DOT/Volpe

Bud Byb / Brian Ryles

1800 Arrived on Site.

Weather: Rain/Snow 34°F

Tasks: (A) interior cleaning Hepa vac/wet wipe

(B) containment setup

(C) Support personnel

PPE: Level C for Task A

Level D for Task C+B

Sampling: All sampling will be conducted I/A/W RAWP for Libby Asbestos project EPA 11/03.

Calibrated pumps 666323, 602235, 626603 666217, 612071, 626886 to 2.5 l/m with DCL 1783. Pump 626605 was calibrated + 2.0 l/m

Sampling as follows: BP 4/28/04

1910	SLR2-00116	NAFW E Side of Building
1913	SLR2-00117	NaFU South Side of Building
1918	SLR2-00118	NAFU West side of building
1922	SLR2-00119	North side ink RM Containment
1930	SLR2-00120	SE of ink Rm Containment.

SLCR2-0001 / Artistic Printing 4/28/04

DOT/Volpe

Bud Byb Brian Ryles BP 4/28/04

1935 SLR2-00121 East of South storage area containment

FSDS # SA-000023 + 24

LATE ENTRY.

1400 Collected sample of grey water from Shower trailers. Analyzing for LA. Collected sample packed and sent FedEx to Resoviors in Denver

1700 Dropped off sample.

VOID SLR2-00115 Sample ID for water sample BP 4/28/04

1935 SLR2-00122 started personal sample in South Storage area containment, Hepa Vac + wet wipe

2000 left site to get supplies

2115 Arrived back to site.

2150 went to check on personal Air pump and worker had set aside for break and left running in area that made it a non representative. Voided sample. Not enough time in shift.

2350 Lunch.

Bud Byb

Location SLCR2/Artistic Printing Date 4/29/04

Project Client DOT/Volpe

Brian Pyles

0040 ER into Containment

0205 collected 30 min excursion on Worker in South Storage Area BP 4/29/04

0205 SLR2-00123 30 min excursion sample

Field Blank SLR2-00124 Field Blank for TCM

0235 collected SLR2-00123

COC ~~FSDS~~ # 000 026

FSDS-PA-000015

Collected Perimete Air samples.

SLR2-00116
117
118
119
120
121

Collected sample.
FCOC # SA-000023
24
COC # 000027

Sample locations are the same as previous day. See Pg 93.

4/29/04

Location SLCR2/Artistic Printing Date 4/29/04

Project Client DOT/Volpe

Brian Pyles/

1800 Arrived @ site

Weather: Cool 40°

Tasks: Wet/wipe & Hepa vac, Containment Construction, support personel.

PPE: Level C - interior cleaning (Hepa vac/wet wipe)
Level D - support personel & containment construction.

Sampling: All sampling will be collected I/A/W RAWP for Libby Asbestos Project EPA 11/03.

Calibrated pumps 612071, 626886, 602235, 666323, 626603, 666217 to 2.5 L/m & pump 626605 to 2.0 L/m with Dry Cal DCL 1783.

Sampling as follows:

1905 BP 4/29/04 SLR2-00125 — SE ~~Corner of~~ OC inventor storage area (North side of building).

1909 SLR2-00126 — east side of East loading dock

1915 SLR2-00127 — North side of ink Room Containment.

1919 SLR2-00128 — SE corner of ink Room Containment

1922 SLR2-00129 — East side of South storag area.

SLCR2 / Artistic Printing 4/29/04
DOT/Volpe
Br. [illegible] Brian Pyles
BP 4/29/04

1927 SLR2-00130 North of Break Rm Containment.

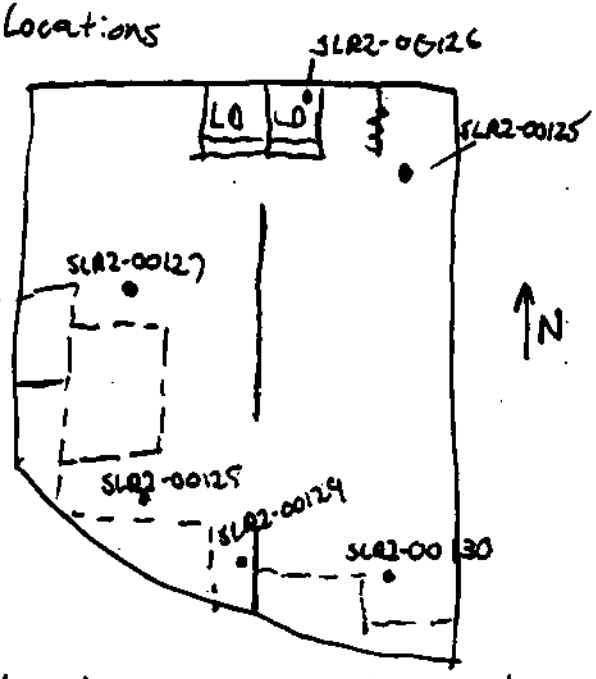
FSDS# SA-000025 + 26.

1930 Started Personal Sample FSDS# PA-000016

SLR2-00131 BP 4/29/04 Task: wet wipe/Hep Vac. 8 hr sample.

~~1940 Not~~ BP 4/29/04

Sample Locations



Note:

1945 Noticed workes sawing boards outside East loading dock. Near Sample SLR2-00126.

[illegible]

SLCR2 / Artistic Printing 4/29/04
DOT/Volpe
[illegible] Brian Pyles

2100 out for break
2140 back in from break.
2340 Lunch

[illegible] 4/29/04

SLCR2 / Artistic Printing 4/20/04
DOT/Volpe
Bud [illegible] Brian Pyles

0115 back into containment.
0125 Started 30 min excursion Sample
SLR2-00132 FS05 AA-000016
COC# 000029
0300 Break - collected 8 hr personal
SLR2-00131. 58l total Flow.
0315 Collected SLR2-00125
0319 126
0323 127
0330 128
0335 129
0340 130
Completed Air Samples
0355 containment check on NE Storage area, Bud will start cleaning in area after break.
0345. back in after break
Post calibrated pumps. Sealed & Bagged samples
4/20 Dropped Fedex.

SLCR2/Artistic Printing 4/20
DOT/Volpe
Bud [illegible] / Brian Pyles

1760 Arrived onsite.
Weather: Sunny Breezy 58
Tasks: A - Wet wipe & Hepa Vac interim cleaning
B - Containment Construction
C - Support.
PPE - Level C for task A
Level D for B & C
Sampling - All sampling will be collected I/A/W RAWP for Libby Asbestos Project EPA 11/03.
Calibrated Pumps 666323, 626603, 626605 666217, 602235, 626886 to 2.5 l/m.
Calibrated with DCL Lite 1753
Sampling as follows:
1820 SLR2-00133 — East Storage bay
1827 SLR2-00134 — East of inventory Storage Containment
1830 SLR2-00135 — NOE ink Rm containment
1835 SLR2-00136 — SE of ink Rm Containment
1841 SLR2-00137 — East of south Storage area containment

SLCR2/Artistic Printing 4/30/04

DOT/Volpe

Brian Ryles

1845 SLR2-00138 North of break Rm Containment

Calibrated Pump for Personal to 2.0 l/M. South Storage area containment Task: Wet wipe/HepaVac.

1850 SLR2-00139

found extension cord with no Ground prongs on end. Had ER discard and replace.

2040 Workers were cleaning on paper rolls in the inventory Storage area & found that some of the rolls had damage to them. We moved a couple of rolls and notice this. Decided that ER take pics & document these areas of concern. Pics of damaged rolls before moving them.

2050 Break.

2140 Back into containment.

2350 Lunch.

SLCR2/Artistic Printing 5/1/04

DOT/Volpe

Brian Ryles

0050 back to work

0120 Started Personal excursion 30min

0150 Collection SLR2-00140 South Storage area wet wipe/HepaVac

FS05# PA-000017

Field Blank SLR2-00141 Field Blank for samples

0240 collected Personal sample SLR2-00139. COC# 000030.

646 L total PA-000017

0305 Collected Airsamples.

0305	SLR2-00133		FS05# SA-000028
0307		134	29
0311		135	COC# 000031
0315		136	
0318		137	
0325		138	

0420 Drop of Fedex.

5/1/04

Location SLCR2/Artistic Printing Date 5/3/04

Project Client DOT/Volpe

Brian Bles

1650 Arrived @ site

Weather: Sunny 70°F

Tasks: (A) interior Cleaning, (wet wipe/Hepa Vac) — PPE Level C

(B) Containment Construction — C

(C) Support — C & D

Sampling – All sample will be collected I/A/W RAWP for Libby Asbestos Project EPA 11/03.

Calibrated Pumps, 691412, 626798, 666217, 666323, 612071, 626886, 602235, 626603 to 2.5 L/m with DCL 1783.

Sampling as follow: BP 5/3/04

1845	SLR2-00142	NAFU-E Side of building
1849	SLR2-00143	Loading Dock (east bay) east side of dock
1855	SLR2-00144	South side of Inventory Storage area
1902	SLR2-00145	N of ink Room containment
1907	SLR2-00146	SE corner of ink RM Containment
1910	SLR2-00147	E side of South Storage area Containment

Location SLCR2/Artistic Date 5/3/04

Project Client DOT/Volpe

Brian Bles BP 5/3/04

1915	SLR2-00148	NAFU west side of building
1918	SLR2-00149	NAFU south side of building
	SLR2-00150	Blank for air samples

FLOC# SA-000027

000030

000031

~~2030 Personal Stopped. Employee Came out for heat.~~ BP 5/3/04

1910 late Entry SLR2-00151 personal Sample Started 8hr sample. BP 5/3/04

2030 Personal Sample stopped. Employe came out of containment for heat stress.

2050 Break

2140 workers back in Containment

2150 Started personal pump.

2350 lunch

BP 5/3/04

SLCR2/ Artistic Printing 5/4/04
DOT/Volpe
[illegible] / Brian Ryles

0110 Back into Containment.
0130 outside ink Room containment to inspect machine. Workers needed more cleaning in Rm & under/inside machine. Discussed with workers what is needed to clean machine.
0215 Started 30 min excursion Sample
SLR2-00152 [illegible] 5/4/04 steps Vac/wet wipe

Did containment check on area above pre press Rm. Passed smoke test workers started cleaning area.
0245 Stopped personal Sample excursion SLR2-00152 & also Stopped personal SLR2-00151 FCOC# PA-000019 & COC# 000032.
Collected Air samples.

0325	SLR2-00142	collected 0357	SLR2-00149
0329	143		150 Blank
0332	144		SA-000027, 3931
0335	145		COC# 000033
0340	146		
0345	147		
0347	148		

[illegible] 5/4/04

SLCR2/Artistic Printing 5/4/04
DOT/Volpe
[illegible] / Brian Ryles

0430 Took Pics of containments.
0500 left site for Fedex drop.

[illegible] 5/4/04

SLR2/Artistic Printing 5/4/04
DOT/Volpe
Brian Ryles

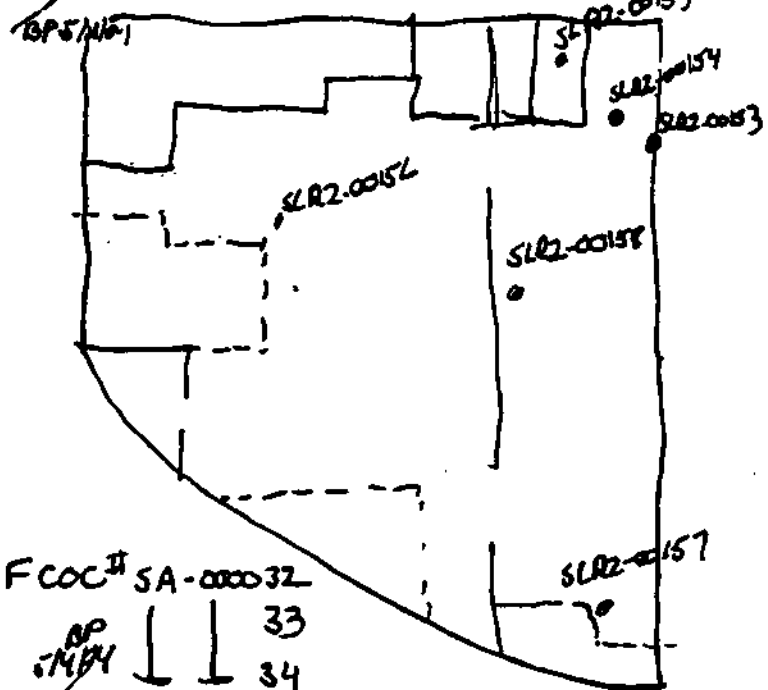
1515 Arrived @ site.
- Prepared samples for the night,
1800 Daily safety meeting.
Weather: Sunny 90°F
Tasks A. Interior cleaning (wet wipe, HEPA vac) Level C
B Containment Construction — C
C Support C+D
Sampling - All samples will be collected I/A/W RAWP for Libby Asbestos Project EPA 11/03.
Calibrated pumps 666323, 602225, 691412, 666217, 626798, 626603, 626886, 612071.

Sampling as follows:

1850 SLR2-00153 — NAFU East Side of Building.
1854 SLR2-00154 — south side inventory storage area.
1859 SLR2-00155 — Loading Dock East bay
1907 SLR2-00156 — North of Ink Room Containment
1912 SLR2-00157 — North of Break Room Containment

SLR2/Artistic Printing 5/4/04
DOT/Volpe
Brian Ryles

1915 SLR2-00158 East of pre press Room containment
1922 SLR2-00159 — Mens shower trailer Clean Room
1927 SLR2-00160 — Womens shower trailer Clean Room.



FCOC# SA-000032
33
34

1935 SLR2-00161 Started personal sample on North Inventory Storage area

SLR2 / Artistic Printing 5/4/04
DOT/Volpe
Brian Pyles

2045 Workers leave out for Break.
2120 Workers back in after break.
Prepared dust sampling equipment for Frank Edwards Bldg. Paul Kudarauskis on hand to help.
Sampling as follows: BP 5/4/04

2159	SLR2-00163	N Bld Office
2208	SLR2-00164	N Bld Office Ceiling Tile
NA FB	SLR2-00165	Field Blank
2215	SLR2-00166	High bay area North Bld.
2224	SLR2-00167	S. Bld. west half.
2230	SLR2-00168	S. Bld. East half.

FSDS # D-000002 + D-000003
COC # 000034,
Fedex # 844950889772.
2240 Left & locked Building.
2345 Workers out for break.
~~0050~~ BP 5/4/04

SLR2/Artistic Printing 5/5/04
DOT/Volpe
Brian Pyles

0005 Safety Standown. Found PPE in Clean trash and had Safety Standdown meeting.
0050 Back into containment.
0125 BP 5/5/04 SLR2-00162 started 30 min excursion on worker. in inventory Storage area Task - wet wipe/Hepa Vac.
0155 Collected Sample SLR2-00162, PA-000020.
0200 Inspection on machine in ink Boom Containment will be after 0300 Break. Looking better on detail.
0420 Collected air samples SLR2-00153, 154, 155, 156, 157, 158, 159, 160. Post calibration & sealed and Boxed samples for shipments.
0440 Went into containment to perform inspection on Machine in ink Rm Containment. Machine passed but had them clean platform around Machine. Gave OK to wrap machine and get ready for final wipe down and clearance. NA No Further Entry
0530 Left Site 5/5/04

SLR2/ Artistic Printing 5/5/04
DOT/Volpe
Brian Pyles

1710 Arrived @ site.
Weather: Sunny 90°F PPE
Tasks: (A) Interior cleaning - wet wipe/ Hepa Vac Level C
B - support ⊥ ⊥ ⊥ Level D
samples - All samples will be collected I/A/W
RAWP for Libby Asbestos Project
EPA 11/03.
Calibrated pumps 612071, 626876, 626603
602235, 666323, 691412, 666217
calibrated to 2.5 L/m. Calibrated with
Rotometer # 110432-4.

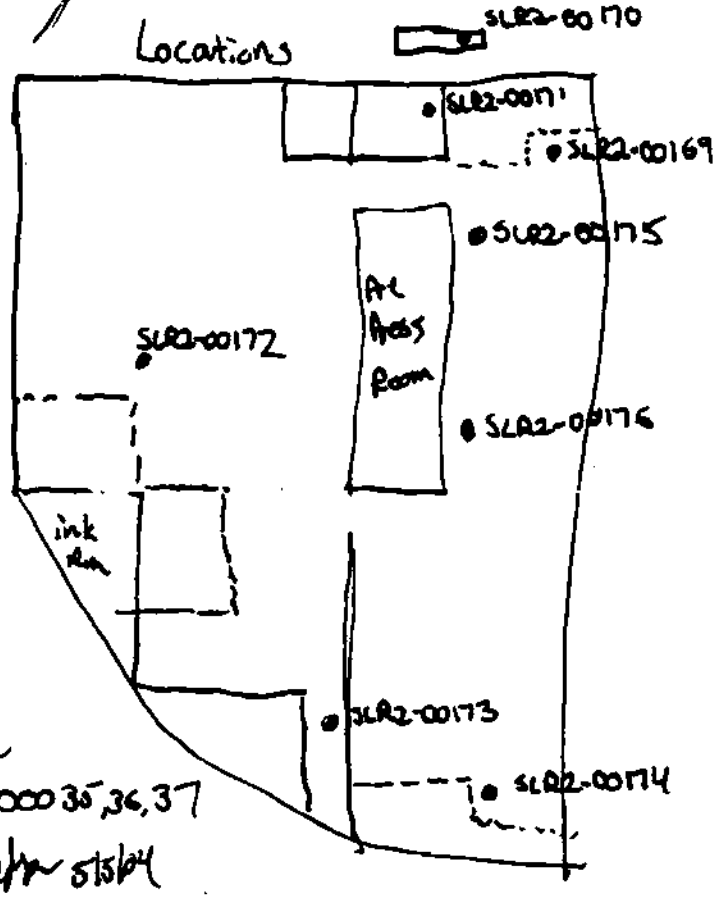
1940	SLR2-00169	— South of Inventory Storage area Containment
1943	SLR2-00170	— Mens shower trailer clean room
1949	SLR2-00171	— East Bay loading dock
1952	SLR2-00172	North of ink Room containment
1959	SLR2-00173	— East of South Storage area.
2005	SLR2-00174	— North of Break Room containment

BD 5/5/04

SLR2/ Artistic Printing 5/5/04
DOT/Volpe
BP 5/5/04 Brian Pyles

2007	SLR2-00175	— NE of Pre Press Room Crawl space
2010	SLR2-00176	— SE of Pre press Room crawl space Containment
NA	SLR2-00177	Field Blank

Locations



BP 5/5/04
FSDS
SA-000035,36,37

BR 5/5/04

Location: SLR2/ Artistic Printing Date 5/5/04

DOT/ Volpe

Brian Ayles /Brian Ayles

2050- Break

2140- Back into containment.

2230- Employee was shocked while working in area above pre press Room. Employee was OK. We had everyone exit boundary no further work until owner is contacted and electric is shut off. Electrical wiring after moving items around was noticed to be subpar. Not up to Standards. Worker was shaken and had headache. He refused going to hospital. Employee stayed outside containment rest of shift.

2340 Lunch

B Ayles
6/5/04

Location: SLR2/Artistic Printing Date 5/6/04

DOT/ Volpe

Brian Ayles /Brian Ayles

0100 back into containment.

Discussion on Cleaning ceiling above Machine. Difficulty in using vacs on ceiling. Brought in lift and tools to help. Will not be able to vac directly above machines so using lint rollers to get best we can. Will encapp these areas heavy.

0256 Collected Ambient Air samples

0255	SLR2-00169	Post calibrated
0257	170	checked samples
0300	171	Pumps. Sealed &
0305	172	Completed COC # 000037.
0307	173	
0310	174	
0316	175	
0317	176	
* NA	177 FB	

Late Entry: 2100 inspected Break Room Containment and passed for encapping.

0320 Prepared Sampling for Clearance Samples in Break Room Containment.

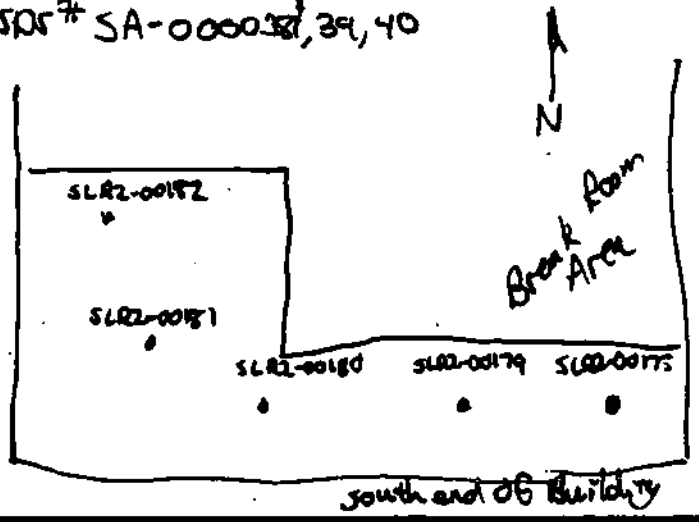
Brian Ayles

SLR2/Artistic Printing 5/6/04
DOT/Volpe
Brian Ryles

Sampling for clearance as follows.

0405	SLR2-00178	E Side Containment BP 5/6/04
0407	SLR2-00179	E Side Containment
0410	SLR2-00180	Center Containment
0412	SLR2-00181	W Side Containment
0415	SLR2-00182	West side Containment
Blank	SLR2-00183	Blank ~~Archive~~ BP 5/6/04
Archive Blank	SLR2-00184	Archive Blank BP 5/6/04

FSDS # SA-000038, 39, 40



SLR2/Artistic Printing 5/4/04
DOT/Volpe
Brian Ryles

0615 Collected Samples for Clearance

0615	SLR2-00178	FCOC # SA-000038	
0617	179		39
0620	180		40
0622	181	COC # 000038	
0624	182		
~~0629~~ BP 5/6/04	183	BP 5/6/04	
~~0635~~	184		

Note: Conduit in ink Room was shocking employees while cleaning ceiling in that area. Worker grounded with conduit and continued cleaning.

0640 sealed & completed COC. Left site.

BP 5/6/04

SLR2/Artistic Printing 5/6/04
DOT/Volpe
[illegible]

1700 Arrived @ Site.
Weather: Sunny 85°F
Tasks: A- wet wipe Hepa Vac
B- Moving equipment & items outside level C containment to inside for cleaning
C- Support people Level C

PPE
Level C

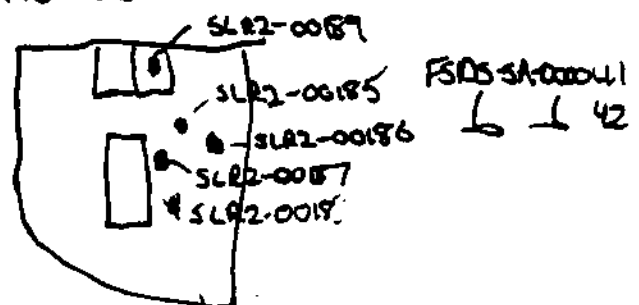
Sampling - All sampling will be collected I/A/W RAWP for Libby Asbestos Project EPA 11/03
1900 Calibrated pumps 666323, 626798, 626603, 691412, 612071, to 2 L/m with the DCL 1783 Dry Cal meter
Sampling as follows: [illegible] 5/6/04

1918	SLR2-00185	South side of east Bay Containment
1927	SLR2-00186	On east wall @ 30' of East Bay Containment
1932	SLR2-00187	NE Side of Pre Press Room
1936	SLR2-00188	SE Side of Pre Press Room
1939	SLR2-00189	East Bay loading dock.

- Worker were moving Boxes from shelving on east wall by containment

SLR2/Artistic Printing 5/6/04
DOT/Volpe
[illegible] / Brian Rhea

by east loading dock. There was no Boundary tape up and workers were in Level C PPE. Had ER put boundary tape up.
2000 Performed fit test on Todd Margulies CDM for respirator.
2050 Break
2115 Prepared data and samples for Clearance on South Storage area Containment.
Sample locations for ambients as follows



Clearance Samples are as follows:

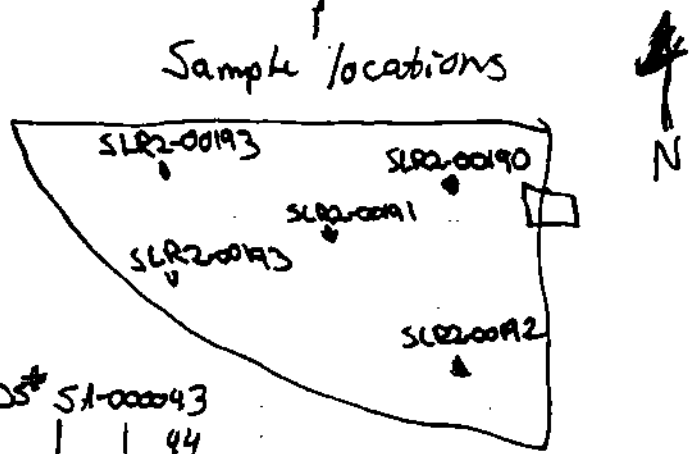
2211	SLR2-00190	South Storage Area Containment
2212	SLR2-00191	[illegible] 5/6/04
2213	SLR2-00192	

[illegible]

SLR2/Artistic Printing 5/6/04
DOT/Volpe
Bud AA / Brian Pyles

2214	SLR2-00193	BD 5/6/03 South Storag area Containment
2215	SLR2-00194	
NA	SLR2-00195	Fiel Blank
NA	SLR2-00196	Archive Blank

Sample locations



FSDS# SA-000043
44
45

2350 lunch
Collected Clearance samples from South Storage area.
SLR2 [signature] 5/6/04

SLR2/Artistic Printing 5/7/04
DOT/Volpe
Bud AA

Collected Clearance Samples from South Storage area. FSDS# SA-000043, 44, 45

0017 ~~2214~~	SLR2-00190
0019	191
0022	192
0025	193
0026	194

BD 5/7/04

0100 inspected pallets of binders from area already cleaned. Noticed large amounts of dust so sent pallets in to reclean. Noticed that workers needed reinforcement to clean stuff that need cleaned.
0240 Break.
0340 collected Ambient samples.

0340 ~~1915~~	SLR2-00185	FSDS# SA-000041, 42
0341 ~~1927~~	186	
0341 ~~1932~~	187	
0350 ~~1936~~	188	
0350 ~~1939~~	189	

[signature] 5/7/04

0430 Containment inspection on ink room, passed with 2 minor cleanups.
0530 left site Fedex drop off

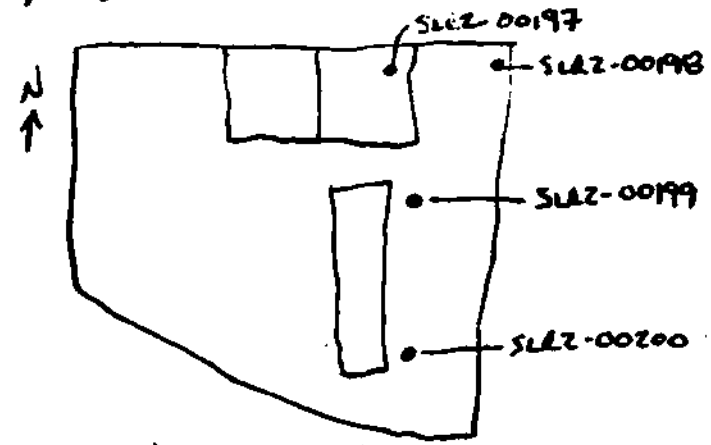
SLR2/Artistic Printing 5/7/04
DOT/Volpe
Todd Margulies/Todd Mgl

1710 Arrived Site
Weather: Sunny 82°F
Tasks: PPE: Level C
A. Wet Wipe, HEPA VAC
B. Moving Equipment And Items Outside Level C Containments 10' inside For Cleaning
C. Support People - Level C
D. Building Containments
Sampling: All Sampling Will Be Collected I/A/W RAWP For Libby Asbestos
Project EPA 11/03
1800 Calibrated Pumps 691412, 612071, 626798, 666323 To 2.5 L/min with the DCL
1783 Dry Cal Meter, Sampling As Follows:

1833	SLR2-00197	TDM 5/7/04 - East Bay Loading Dock
1839	SLR2-00198	- On East Wall ≈ 4' S of East Bay ~~Containment~~ Storage Tan 5/7/04
1841	SLR2-00199	- NE Side Of Pre Press Room
1843	SLR2-00200	- SE Side Of Pre Press Room

SLR2/Artistic Printing 5/7/04
DOT/Volpe
Todd Margulies/Todd Mgl

Sample Locations For Ambients As Follows:



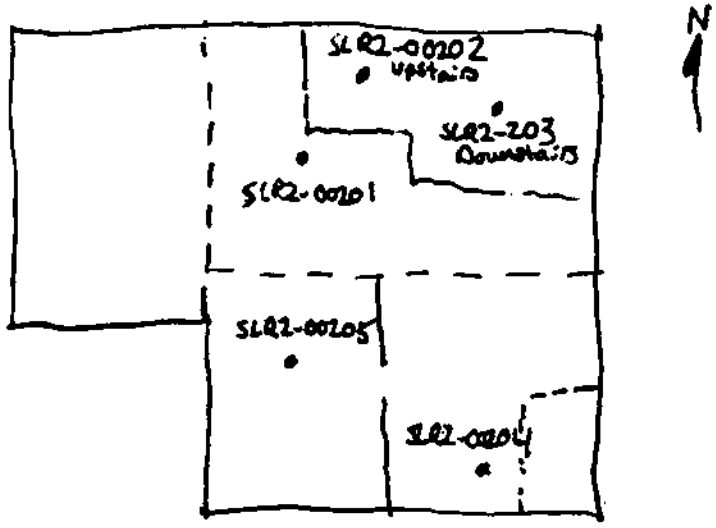
1845 Brian Ryles takes control of Logbook.
1850 went to Frank Edwards building to complete background sampling for work starting next week.
Sampling as follows:

1902	SLR2-00201	High Bay Bldg (Open Area)
1905	SLR2-00202	Upper Floor
1906	SLR2-00203	West Office Area
1908	SLR2-00204	South BLDG. East Side
1909	SLR2-00205	South BLdG. West Side

BP 5/7/04

SLR2/Artistic Printing/Frank Eduardo 5/7/04
DOT/Volpe
Br / Ryb20 / Brian Ryles

Sample Locations are as follows.



2235 Prepared clearance samples for ink Room containment, 2350: Todd Takes Control of Log-Book

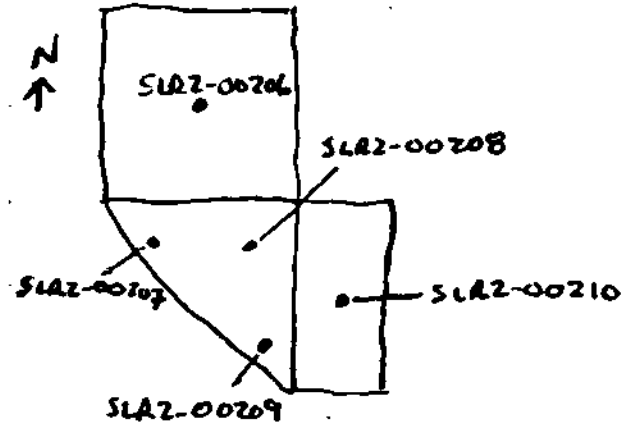
2319	SLR2-00206	- North Ink Room Containment
2333	SLR2-00207	- NW Corner of Ink Room
2335	SLR2-00208	- NE Corner of Ink Room
2335	SLR2-00209	- S Corner of Ink Room

Br 5/7/04

SLR2/Artistic Printing 5/7/04 8/04
DOT/Volpe
Todd Margulies / Todd Margulies 5/7/04

2336	SLR2-00210	- East Ink Room Containment
NA	SLR2-00211	- Field Blank
NA	SLR2-00212	- Archive Blank

Sample Locations For Ink Room Are As Follows: 5/7/04



2400 Break

Collected Ink Room Clearance Samples

0148	SLR2-00209	FSDS#	SA-000050
0151	SLR2-00210		SA-000051
0145	SLR2-00207		SA-000052
0147	SLR2-00208	C-O-C#	000043
0155	SLR2-00206		

Todd Margulies 5/8/04

Location SLR2/Artistic Printing Date 5/8/04

Project / Client DOT/VOLPE

Todd Mgl / Todd Margulies

Collected Ambient Samples

0310 SLR2-00197 FSDS #s SA-000046

0313 SLR2-00198 SA-000047

0315 SLR2-00199 C-O-C # 000042

0317 SLR2-00200

Collected Background Samples for Frank Edwards Bldg.

0405 SLR2-00201 FSDS #s SA-000048

0407 SLR2-00202 SA-000049

0410 SLR2-00203 COC # 000041

0412 SLR2-00204

0415 SLR2-00205

B. Pyles Takes control of logbook

0420 SLR2-00213 BD 5/8/04 This sample was collected on 5/6/04 on Roof of Artistic Printing Building. Soil is from SW corner of building. Requested to sample by Kuda and shipped with Today's samples.

[signature] 5/8/04

Location SLR2-Artistic Printing / Frank Edwards Bld. Date 5/10/04

Project / Client DOT / VOLPE

Todd Margulies / Todd Mgl

1700 Arrived Site — TDM

Weather: Very Windy, Partly Sunny ≈ 75°

Tasks: PPE: Level C

A. Wet Wipe, HEPA VAC — TDM

B. Moving Equipment And Items Outside Level C Containments To Inside For Cleaning — TDM

C. Support People - Level C — TDM

D. Building Containments In Frank Edwards Bldg.

Sampling: All Samples Will Be Collected I/A/W RAWP For Libby Asbestos Project EPA 11/03 — TDM

Tore Up COC #45 - Already Used By Tommy Cook ∴ Start w/ #46 — TDM

Tore Up Index ID #s SLR2-00214 & SLR2-00215 - Already Used By Tommy Cook, ∴ Start with # SLR2-00216 — TDM

1720 Merrill Of ER: Set Up To Begin @ Frank Edwards Bld ∴ Need Personal + 30 min. Excursion Sample. Modified Level C. Told Him To Call Tommy. Neg. Pressure Still In Effect For Above Pre-Press Room. Hope To Finish Up Pre-Press Room + East Bay Containment.

Todd Mgl 5/10/04

Location SLR2-ARTISTIC PRINTING/FRANK EDWARDS BLD. Date 5/10/04

Project / Client DOT/VOLPE

TODD MARGULIES / [signature]

1730 CALIBRATED PUMPS (626886, 666217, 602235, 602269, 691412), [612071, 626798] WITH OCL 1783 DRY CAL METER. SAMPLING AS FOLLOWS:

1818	SLR2-00216	- EAST BAY LOADING DOCK
1826	SLR2-00217	- ON E. WALL ≈ 4' S OF EAST BAY ~~CONTAINMENT~~ STORAGE
1829	SLR2-00218	- S SIDE OF EAST BAY CONTAINMENT
1831	SLR2-00219	- NE SIDE OF PRE PRESS ROOM
1834	SLR2-00220	- SE SIDE OF PRE PRESS ROOM
NA	SLR2-00221	- FIELD BLANK
2148	SLR2-00222	- TWA PERSONAL: FRANK EDWARDS BLDG.
2148	SLR2-00223	- EXC PERSONAL: FRANK EDWARDS BLDG.

CHRIS GARCIA & BUTCH WILLOUGHBY OF COAST GAUGE STRIKE TEAM ON-SITE. [signature] 5/10/04

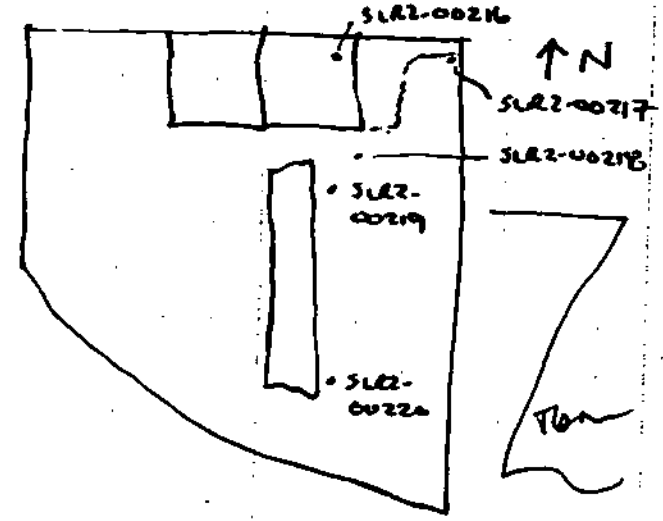
FRANK EDWARDS BLDG

Location SLR2-ARTISTIC PRINTING/ Date 5/10/04

Project / Client DOT/VOLPE

TODD MARGULIES / [signature]

SAMPLING LOCATIONS ARE AS FOLLOWS:



2100 BREAK

2148 BEGIN PERSONAL AIR SAMPLES IN FRANK EDWARDS BLDG.

2221 COLLECTED EXC PERSONAL SAMPLE @ FRANK EDWARDS BLDG. SLR2-00223 FSDS# PA-000021, C-O-C# 000046

2400 BREAK

COLLECTED AMBIENT AIR SAMPLES

0236 SLR2-00216
0239 SLR2-00217
0241 SLR2-00218
0242 SLR2-00219
0243 SLR2-00220

FSDS#'S SA-000053, SA-000054
C-O-C# 000047

[signature] 5/11/04

FRANK EDWARDS BLDG

132 Location SLR2- ARTISTIC PRINTING / Date 5/11/04

Project Client DOT / VOLPE

TODD MARGULIES / [illegible]

0300 BREAK — TDM

0432 COLLECTED TWA PERSONAL SAMPLE @ FRANK EDWARDS BLDG. SLR2-00222, FSDS# 000021 C-O-C# 000046

ALL FSDSs / C-O-C FORMS COMPLETED FOR DAY'S SAMPLING — TDM

FED-X BOX FOR SHIPPING SAMPLES COMPLETED — TDM

0530 OFFSITE - FED-X DROP OFF

[illegible]
TDM 5/11/04

FRANK EDWARDS BLDG.

SLR2 - ARTISTIC PRINTING / 5/11/04

DOT / VOLPE

TODD MARGULIES / [illegible]

1700 ARRIVED SITE — TDM

WEATHER: SUNNY ~55° PPE: LEVEL C

TASKS:

A. WET WIPE / HEPA VAC — TDM

B. MOVING EQUIPMENT AND ITEMS OUTSIDE LEVEL C CONTAINMENT TO INSIDE FOR CLEANING — TDM

C. SUPPORT PEOPLE - LEVEL C

D. BUILDING CONTAINMENTS IN FRANK EDWARDS BLDG — TDM

~~SAMPLING: TDM~~ 5/11/04 — TDM

1720 TOMMY: — TDM

① BREAK ROOM COLLECTED 5/6 ALL NDs

② S STORAGE AREA - NO LIBBY AMPHIBOLE ASBESTOS ∴ NDs "CLEAR" — TDM

③ INK ROOM: ALL NDs "CLEAR" — TDM

④ 1 SAMPLE - 1 STRUCTURE (0.004 STRUC/cm³) CHRYSOTILE — TDM

SAMPLING: ALL SAMPLES WILL BE COLLECTED I/A/W RAWP FOR LIBBY ASBESTOS PROJECT EPA 11/03 — TDM

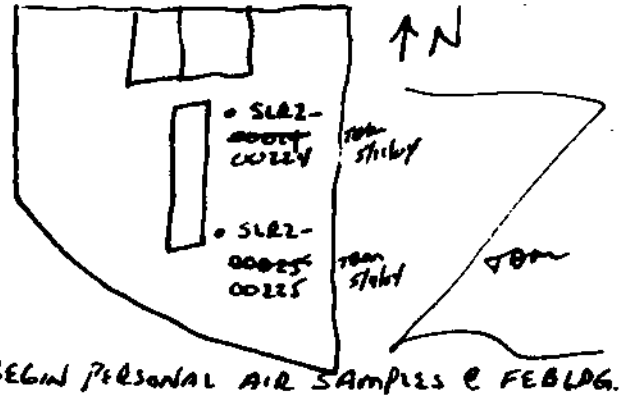
1730 CALIBRATED PUMPS 626798, 626886 (2.5 l/min) 626217, 602235 (20 l/min) WITH DCN 1783 DRY CAL METER [illegible] 5/11/04

FRANK EDWARDS BLDG.
Location SLR2-ARTISTIC PRINTING/ Date 5/11/04
Project Client DOT/VOLPE
TODD MARGULIES / [signature]

1824	SLR2-00224	- NE SIDE OF PRE PRESS ROOM — TDM
1826	SLR2-00225	- SE SIDE OF PRE PRESS ROOM
1848	SLR2-00226	- TWA PERSONAL FRANK EDWARDS BLDG.
1848	SLR2-00227	- EXC PERSONAL FRANK EDWARDS BLDG.

TDM 5/11/04 — TDM

RECEIVED FED-X: CUSTODY SEALS/CASSETTES
SAMPLE LOCATIONS ARE AS FOLLOWS:



1848 BEGIN PERSONAL AIR SAMPLES @ FE BLDG.
1921 COLLECTED EXC PERSONAL SAMPLE @ FE BLDG
SLR2-0027, FSDS# PA-000022, C-O-C# 000049 — TDM
[signature]

FRANK EDWARDS BLDG.
Location SLR2-ARTISTIC PRINTING/ Date 5/11/04
Project Client DOT/VOLPE
TODD MARGULIES / [signature]

2045 INSPECTED EAST BAY CONTAINMENT AREA WITH CHRIS GARCIA (COAST ~~GUARD~~ GUARD TDM 5/11/04). INSPECTION PASSED WITH 2 SMALL REDOS. ONE WAS A WINDOW W/ PAINT CHIPPING OFF IT. VACUUM UP PAINT CHIPS AND RE WET WIPE. TWO WAS TO WET WIPE ALL CONDUITS LEADING DOWN WALLS/POSTS TO OUTLET BOXES. AFTER THAT IS COMPLETE THEY CAN BEGIN TO ENCAP AREA. ONLY USE SILICONE ON CRACKS TO OUTSIDE. OTHERWISE USE ENCAP MATERIAL ON FLOOR CRACKS + OTHER WALL CRACKS. — TDM

NA SLR2-00228 - FIELD BLANK — TDM 5/11/04

2400 BREAK — TDM
EAST BAY CONTAINMENT AREA ENCAPPED. CLEARANCE SAMPLING TO BE CONDUCTED 5/11/04 pm or 5/12/04 AM. — TDM

0258 COLLECTED TWA PERSONAL SAMPLE @ FE BLDG.
SLR2-00226, FSDS# PA-000022, C-O-C# 000049 — TDM

0300 BREAK [signature] 5/12/04

FRANK EDWARDS BLDG.
Location SLR2-ARTISTIC PRINTING/ Date 5/12/04
Project/Client DOT/VOLPE
TODD MARGULIES/

COLLECTED AMBIENT AIR SAMPLES — TDM
0325 SLR2-00224 FSOS# SA-000055
0327 SLR2-00225 C-O-C# 000048
COMPLETED ALL C-O-Cs + FED-X BOX FOR SHIPPING SAMPLES — TDM
0540 OFF-SITE FED-X DROP OFF

5/12/04

FRANK EDWARDS BLDG.
Location SLR2-ARTISTIC PRINTING - Date 5/12/04
Project/Client DOT/VOLPE
TODD MARGULIES/

1700 ARRIVED SITE
WEATHER: BREEZY, PARTLY CLOUDY, ~55°
PPE: LEVEL C — TDM
TASKS: — TDM
A. WET WIPE, HEPA VAC — TDM
B. MOVING EQUIPMENT AND ITEMS OUTSIDE CONTAINMENTS (LEVEL C) TO INSIDE FOR CLEANING — TDM
C. SUPPORT PEOPLE - LEVEL C — TDM
D. CLEANING OF PRE PRESS ROOM — TDM
E. BUILDING CONTAINMENTS @ F.E. BLDG.
SAMPLING: ALL SAMPLES WILL BE COLLECTED I/A/W RAWP FOR LIBBY ASBESTOS PROJECT EPA 11/03. — TDM
1710 CALIBRATED PUMPS: 626603, 612071 (2.0 l/min) 691412, 602269 (2.5 l/min) w/ DCI 1783 DRY CAL METER TDM 5/12/04 — TDM

1840	SLR2-00229	- TWA PERSONAL, FRANK EDWARDS BLDG.
1840	SLR2-00230	- EXC PERSONAL, FRANK EDWARDS BLDG.
1817	SLR2-00231	- NE SIDE OF PRE PRESS ROOM
1819	SLR2-00232	- SE SIDE OF PRE PRESS ROOM

5/12/04

FRANK EDWARDS BLDG.

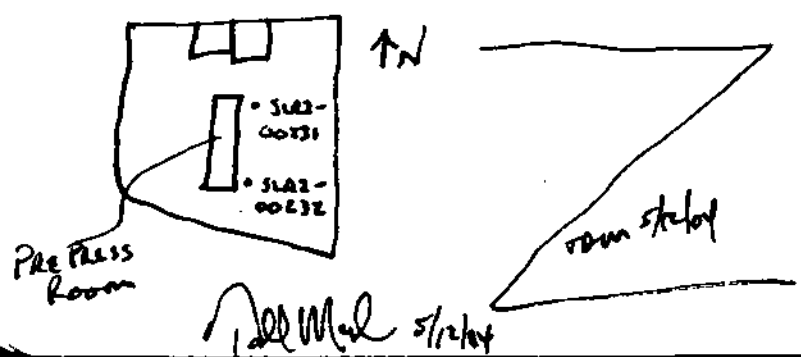
Location SLR2- ARTISTIC PRINTING Date 5/12/04

Project Client DOT / VOLPE

TODD MARGULIES / [signature] TDM 5/12/04

2234	SLR2-00233	- NW CORNER OF EAST BAY STORAGE
2235	SLR2-00234	- NE CORNER OF EAST BAY STORAGE
2236	SLR2-00235	- SE CORNER OF EAST BAY STORAGE
2236	SLR2-00236	- S WALL OF EAST BAY STORAGE
2237	SLR2-00237	- SW CORNER OF EAST BAY STORAGE
NA	SLR2-00238	- FIELD BLANK — TDM
NA	SLR2-00239	- ARCHIVE BLANK

1840 STARTED PERSONAL AIR SAMPLES @ F.E. BLDG.
AMBIENT AIR SAMPLE LOCATIONS ARE AS FOLLOWS



[signature] 5/12/04

FRANK EDWARDS BLDG.

Location SLR2- ARTISTIC PRINTING / Date 5/12/04

Project Client DOT / VOLPE

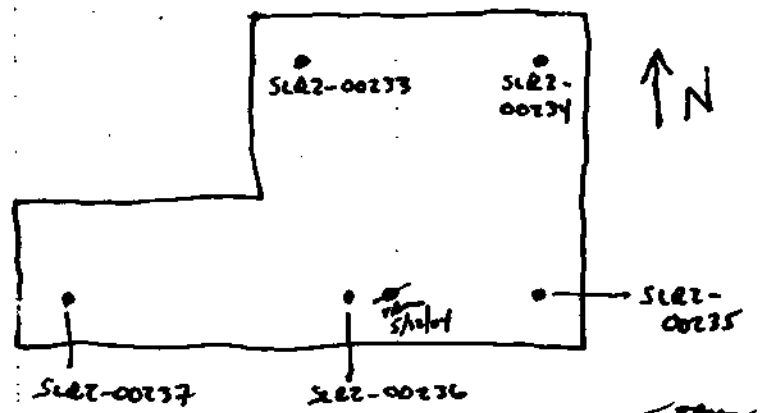
TODD MARGULIES

1913 COLLECTED EXC PERSONAL SAMPLE @ F.E. BLDG SLR2-00230, FSDS# PA-000023, C-O-C# 000051 — TDM

2100 BREAK

2215 BEGIN SET UP TO CLEARANCE SAMPLE EAST BAY STORAGE — TDM

EAST BAY STORAGE CLEARANCE SAMPLE LOCATIONS ARE AS FOLLOWS: — TDM



2410 LUNCH — TDM

COLLECTED CLEARANCE SAMPLES FROM EAST BAY STORAGE — TDM

0109: SLR2-00233
0110: SLR2-00234
0111: SLR2-00235
0112: SLR2-00236
0113: SLR2-00237

[signature] 5/12/04

120

Location FRANK EDWARDS BLDG. SLR2- ARTISTIC PRINTING) Date 5/13/04

Project Client DOT / VOLPE

TODD MARGULIES / [illegible]

FSDS #s SA-000057, SA-000058 COC #s 000052 — TDM

0250 COLLECTED TWA PERSONAL SAMPLE @ F.E. BLDG. SLR2-00229, FSDS # PA-000023, C-O-C # 000051 TDM 5/13/04

COLLECTED AMBIENT AIR SAMPLES — TDM

0315 SLR2-00231 FSDS # SA-000056, COC # 000050 — TDM

0317 SLR2-00232

COMPLETED ALL C-O-Cs, FED-X BOX AND FSDS, — TDM

NOTE: * 0300 BREAK — TDM

0545 OFFSITE - FED-X DROP OFF — TDM

TDM [illegible] 5/13/04

Location FRANK EDWARDS BLDG. SLR2- ARTISTIC PRINTING / Date 5/13/04

DOT / VOLPE

TODD MARGULIES [illegible]

1700 ARRIVED SITE — TDM

WEATHER: SUNNY, ≈60° PPE: LEVEL C

TASKS: — TDM

(A) WET WIPE, HEPA VAC — TDM

(B) MOVING EQUIPMENT AND ITEMS OUTSIDE LEVEL C CONTAINMENT TO INSIDE FOR CLEANING — TDM

(C) SUPPORT PEOPLE: LEVEL C — TDM

(D) BUILDING CONTAINMENTS IN F.E. BLDG.

NOTE: ≈1500 TOMMY COOK: — TDM

(1) NO PERSONAL AIR SAMPLING @ F.E. BLDG TODAY. — TDM

(2) ALL BACKGROUND SAMPLES @ F.E. BLDG WERE ND — TDM

SAMPLING: ALL SAMPLES WILL BE COLLECTED I/A/W RAWP FOR LIBBY ASBESTOS PROJECT EPA 11/03. — TDM

1710 CALIBRATE PUMPS: 691412, 602269 (2.5 l/min) w/ ~~DRY CAL~~ TDM 5/13/04 DCL 1783 DRY CAL METER

1715 TOMMY COOK (LEFT MESSAGE)

(1) RESULTS FROM F.E. BLDG. DUST SAMPLES?

(2) " " ARTISTIC PRINTING ROOF SAMPLE?

(3) HOW MUCH OF F.E. BLDG. SOUTH AREA NEEDS TO BE CLEANED? [illegible] 5/13/04

142

FRANK EDWARDS BLDG.

Location SLR2 - ARTISTIC PRINTING / Date 5/13/04

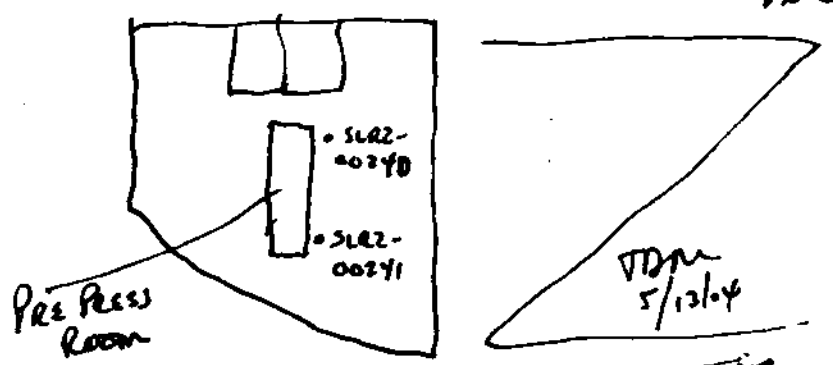
Dot / Volpe

TODD MARGULIES / [signature]

TDM 5/13/04

1824	SLR2-00240	- NE SIDE OF PRE PRESS ROOM
1826	SLR2-00241	- SE SIDE OF PRE PRESS ROOM
NA	SLR2-00242	- FIELD BLANK

AMBIENT AIR SAMPLE LOCATIONS ARE AS FOLLOWS:



TDM 5/13/04

1900 TOMMY:

① AT F.E. BLDG. "CLEAN" ENTIRE EAST + SOUTH PARTS OF BLDG - NOT WEST.

② 1st NIGHT OF PERSONNEL E F.E. BLDG "LOOK GOOD" PER LAB BUT NO CALCULATIONS YET.

2100 BREAK

2400 LUNCH

[signature] 5/13/04

FRANK EDWARDS BLDG.

Location SLR2 - ARTISTIC PRINTING / 5/14

Dot / Volpe

TODD MARGULIES / [signature]

COLLECTED AMBIENT AIR SAMPLES

0258 SLR2-00240 FSDS# SA-000060

0300 SLR2-00241 COC# 000053

COMPLETED COC, FSDS + FED-X BOX

0315 MERRILL OF ER INFORMED ME THAT STARTING MONDAY MAY 17TH @ 0600 THEY WILL BEGIN 24 HR WORK SCHEDULE. THEREFORE, CDM NEEDS ANOTHER PERSON ON SITE FOR ADDITIONAL 6 am - 6 pm DAYSHIFT.

0345 FAXED COC TO ANNI @ RESOURCES ENV. SVC. FROM TRAILER W. HOTEL. "2 PAGES SENT" ON FAX BUT NO PRINTED RECEIPT.

0530 OFFSITE FED-X DROP OFF

[signature] 5/14/04

FRANK EDWARDS BLDG.
SLR2-ARTISTIC PRINTING / 5/14/04
DOT / VOLPE
TODD MARGULIES / [signature]

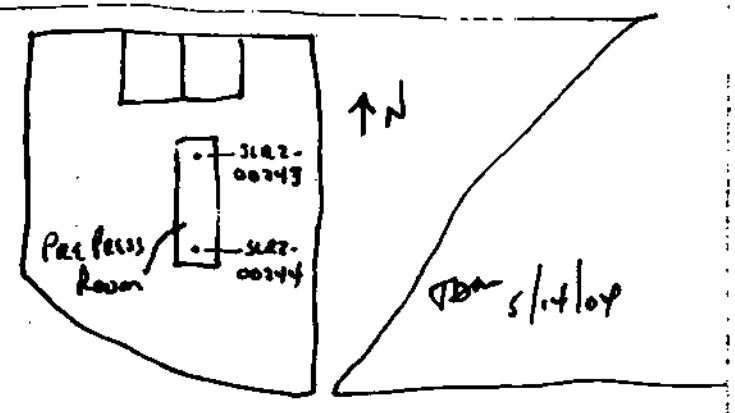
1705 ARRIVED SITE
WEATHER - SUNNY, BREEZY ~70° — TDM
PPE - LEVEL C — TDM
TASKS — TDM
① WET WIPE, HEPA VAC — TDM
② MOVING EQUIPMENT AND ITEMS OUTSIDE LEVEL C CONTAINMENT TO INSIDE FOR CLEANING.
③ SUPPORT PEOPLE - LEVEL C — TDM
④ BUILDING CONTAINMENTS IN F.E. BLDG. — TDM
⑤ BUILDING ~~CONTAINMENTS~~ CRITICALS IN OFFICES IN ARTISTIC PRINTING BLDG. TDM 5/14/04

SAMPLING: ALL SAMPLES WILL BE COLLECTED I/A/W RAWP FOR LIBBY ASBESTOS PROJECT EPA 11/30.
1715 CALIBRATE PUMPS 691412, 602269 (2.5 l/min) W/ DCL 1783 DRY CAL METER — TDM

1815	SLR2-00243	- NE SIDE OF PRE PRESS ROOM — TDM
1817	SLR2-00244	- SE SIDE OF PRE PRESS ROOM — TDM
NA	SLR2-00245	- FIELD BLANK — TDM 5/14/04

1800 ER SAFETY BRIEFING — TDM
[signature] 5/14/04

FRANK EDWARDS BLDG.
Location SLR2-ARTISTIC PRINTING - 5/14/04
Project / Client DOT / VOLPE
TODD MARGULIES / [signature]
(PRE PRESS ROOM) TDM 5/14/04
AMBIENT AIR SAMPLE LOCATIONS ARE AS FOLLOWS: — TDM



2015 MERRILL OF ER INFORMED ME THAT CLEANING WILL BEGIN TONIGHT IN OFFICES. THEREFORE 2 AMBIENTS WILL BE SET UP TONIGHT. LOCATIONS WILL CHANGE ON 5/15/04. — TDM
CALIBRATE PUMPS 612017 TDM, 612071 TDM 5/14/04, 626603 (2.5 l/min) W/ DCL 1783 DRY CAL METER — TDM

2041	SLR2-00246	TDM 5/14/04 ~~SE~~ SW TDM 5/14/04 - CORNER OF MAIN OFFICE AREA — TDM
2043	SLR2-00247	~~SW~~ SE TDM 5/14/04 - CORNER OF OFFICE AREA — TDM

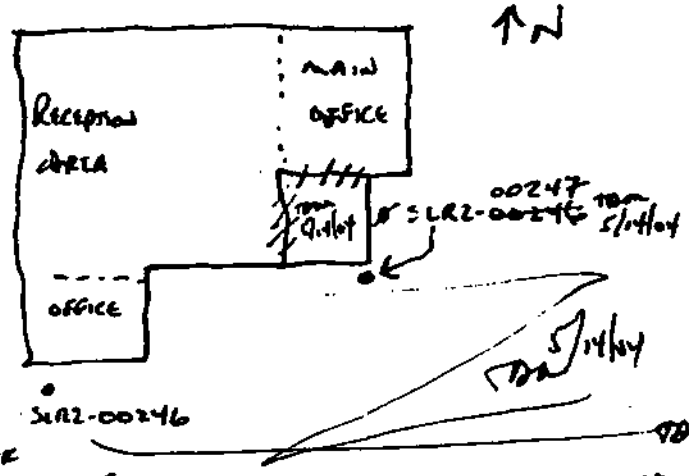
— TDM
[signature] 5/14/04

Location FRANK EDWARDS BLDG. SLR2- ARTISTIC PRINTING / Date 5/14/04

Project / Client DOT / VOLPE

TODD MARGULIES / [illegible]

OFFICE AMBIENT AIR SAMPLES LOCATIONS ARE AS FOLLOWS:



2100 BREAK

2130 TOMMY COOK

① EAST BAY STORAGE (NE STORAGE) "CLEAR"

② 1ST 2 PCM'S @ F.E. BLDG "LOOK GOOD" NO CALCULATIONS YET.

③ HE WILL BE ON SITE TUESDAY 5/18/04 AM.

2400 LUNCH

0230 CONDUCTED SMOKE TEST ON OFFICE AREA - PASSED - OK TO BEGIN CLEANING - AREA NOW CONSIDERED LEVEL C AREA.

TDM 5/15/04

The manufacturers of "Rite in the Rain" all weather writing products are grateful to the numerous environmental experts who have contributed to the development of this book. Should you have any additional improvements or corrections for future publications of this field book or have suggestions for other environmental field book formats, we welcome your input.

Although much error has been taken to insure the accuracy of the following reference pages, the [illegible] not guarantee the accuracy of the data contained herein.

To provide input or select pricing on these or custom printed field books, contact your "Rite in the Rain" dealer or [illegible] Darling Corp. 253-722-5000 or fax 253-722-5300 www.ritenthe[illegible]

Common Field Data Error Codes

Error Codes Are Used to Explain Common Mistakes and Are Written Above or Close to the Mistake

Commonly Used Error Codes Include:

- RE Recording Error
- CE Calculation Error
- TE Transcription Error
- SE Spelling Error
- CL Changed for Clarity
- DC Original Sample Description Changed After Further Evaluation
- WO Write Over
- NI Not Initialled and Dated at Time of Entry
- OB Not Recorded at the Time of Initial Observation

Note: Error Code Should Be Circled, Dated And Initialed When Recorded.

Hazard Classifications

Class 1 Explosives
Class 2 Gas
Class 3 Flammable Liquid
Class 4 Flammable Solids (Potential spontaneous combustion or emission of flammable gases when in contact with water)
Class 5 Oxidizing Substances and Organic Peroxides
Class 6 Toxic (poisonous) and infectious substances
Class 7 Radioactive Material
Class 8 Corrosives
Class 9 Miscellaneous dangerous goods

Container type abbreviations (for sampling guidelines):

- BR Boston Round
- ABR Amber Boston Round
- AJ Amber Jug
- CWM Clear Wide Mouth
- AWM Amber Wide Mouth
- Poly Polyethylene Bottles
- BOD Bottle

SLR2-0002

"Rite in the Rain"
ALL-WEATHER
Environmental
FIELD BOOK
No. 550

LIBBY SISTER SITES
SALT LAKE CITY 2
ARTISTIC PAINT / VP+L
REMOVAL OVERSIGHT
AIR + SOIL SAMPLING

Project / Client TABLE OF CONTENTS (CONT)

FRANK EDWARDS BLDG

SLR2- ARTISTIC PRINTING / Date 5/15/04

Project / Client DOT / VOLPE

TODD MARGULIES / Todd Mgl

COLLECTED PRE PRESS ROOM AMBIENT AIR SAMPLES

TDM 5/15/04 2 0309 SLR2-00243 FSDS# SA-000061 TDM

0310 SLR2-00244 COC# 000054

COLLECTED OFFICE AMBIENT AIR SAMPLES

0507 SLR2-00247 FSDS# SA-000062 TDM

0509 SLR2-00246 COC# 000055

COMPLETED ALL FSDSs, COCs, FED-X BOX

FAXED COCs TO ANNI @ RESOURCES ENV. SVC.

0530 OFFSITE, FED-X DROP OFF

Todd Mgl 5/15/04

FRANK EDWARDS BLDG.
SLR2 - ARTISTIC PRINTING / 5/15/04
DOT / VOLPE
TODD MARGULIES / [illegible]

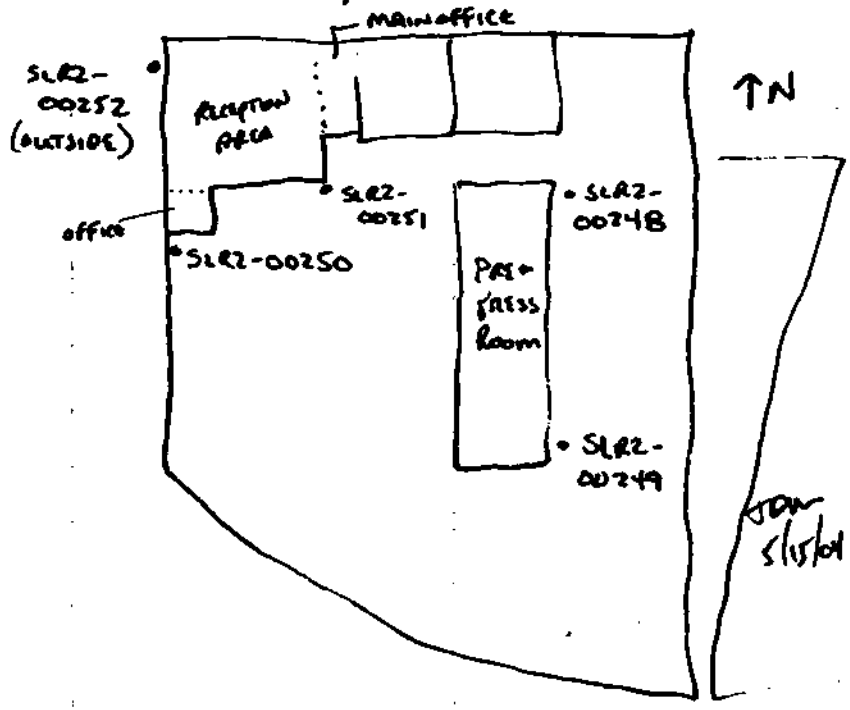
1700 ARRIVED SITE — TDM
WEATHER: SUNNY, ≈70° PPE: LEVEL C
TASKS: — TDM
① WET WIPE, HEPA VAC — TDM
② MOVING EQUIPMENT AND ITEMS OUTSIDE LEVEL C CONTAINMENT TO INSIDE FOR CLEANING — TDM
③ SUPPORT PEOPLE - LEVEL C — TDM
④ PRE PRESS ROOM (ABOVE) + OFFICE / R.E.B. — TDM
SAMPLING: AIR SAMPLES WILL BE COLLECTED I/A/W CAMP FOR LOBY ASBESTOS PROJECT EPA 11/03. — TDM
1710 CALIBRATE PUMPS 626886, 402269, 691412, 612071, 626607 (2.5 L/min) w/ DCL 1783 DRY CAL METER TDM 5/15/04

1812	SLR2-00248	- NE SIDE OF PRE PRESS ROOM — TDM
1815	SLR2-00249	- SE SIDE OF PRE PRESS ROOM — TDM
1818	SLR2-00250	- SW CORNER OF OFFICE AREA — TDM
1820	SLR2-00251	- SE CORNER OF MAIN OFFICE
1824	SLR2-00252	- NW CORNER OF ARTISTIC PRINTING BLDG TDM 5/15/04
		SLR2-00253 FIELD BLANK

[illegible] 5/15/04 NA

FRANK EDWARDS BLDG.
SLR2 - ARTISTIC PRINTING / 5/15/04
DOT / VOLPE
TODD MARGULIES / [illegible]

1800 ER SAFETY BRIEFING — TDM
AMBIENT AIR SAMPLES LOCATIONS ARE AS FOLLOWS:



2100 BREAK — TDM
2400 LUNCH — TDM
0100 COMPLETED WEEKLY REPORT FOR JEFF MONTERA — TDM
COLLECTED AMBIENT AIR SAMPLES — TDM
[illegible] 5/16/04

FRANK EDWARDS BLDG.

Location SLR2-ARTISTIC PRINTING / Date 5/16/04

Project Client DOT / VOLPE

TODD MARGULIES / [illegible]

0248 SLR2-00248 } FSDS# 000063, COC# 000056
0250 SLR2-00249
0252 SLR2-00250 } FSDS# 000064, COC# 000056
0254 SLR2-00251
0256 SLR2-00252

COMPLETED ALL FSDS's, COC, FED-X BOX
FAXED COC TO ANNI @ RESOURCES ENV. SVC.
MERRIL SAYS STORAGE AREA ABOVE PRE PRESS ROOM
WILL BE READY FOR INSPECTION 5/16/04 pm, TOOL
ENCAP, SAMPLE 5/17/04 am OR pm.

0400 OFF SITE FED-X DROP OFF

[illegible] 5/16/04

FRANK EDWARDS BLDG.

Location SLR2-ARTISTIC PRINTING / Date 5/16/04

Project Client DOT / VOLPE

TODD MARGULIES / [illegible]

1700 ARRIVED SITE

WEATHER: SUNNY, 70° PPE - LEVEL C

TASKS:

① WET WIPE, HEPA VAC OFFICE AREA
② MOVING EQUIPMENT AND ITEMS OUTSIDE LEVEL C CONTAINMENT TO INSIDE FOR CLEANING
③ SUPPORT PEOPLE - LEVEL C
④ INSPECTION ON STORAGE AREA ABOVE PRE PRESS ROOM
⑤ AMBIENT SAMPLING ON OFFICE AREA.

SAMPLING:

ALL SAMPLES WILL BE COLLECTED I/A/W RAWP FOR LOBBY ASBESTOS PROJECT EPA 11/03.

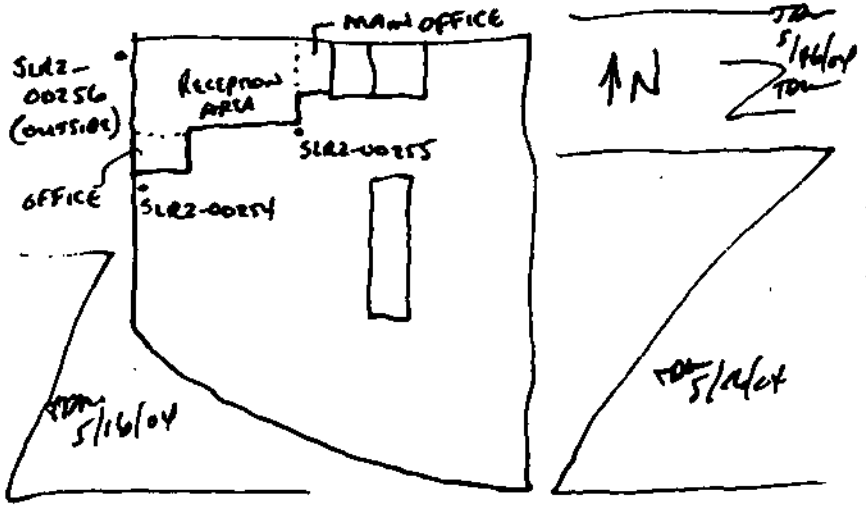
1710 CALIBRATE PUMPS 691412, 612071, 626603 (2.5 l/min) w/ DCL 1783 DRY CAL METER.

1817	SLR2-00254	- ~~SE SIDE OF P~~ SW CORNER OF OFFICE AREA
1819	SLR2-00255	- SE CORNER OF MAIN OFFICE
1822	SLR2-00256	- NW CORNER OF ARTISTIC PRINTING BLDG.

[illegible] 5/16/04

FRANK EDWARDS BLDG.
SLR2 - ARTISTIC PRINTING / 5/16/04
Project Client DOT / VOLPE
TODD MARGULIES / [signature]

ADDITIONAL TASK: — TDM
(6) CONTAINMENTS IN F.E. BLDG. — TDM
1730 FAXED JEFF MONTERA WEEKLY REPORT + AIMEE BLACK WEEKLY TIME SHEET — TDM
AMBIENT AIR SAMPLE LOCATIONS ARE AS FOLLOWS: — TDM 5/16/04



1800 ER SAFETY BRIEFING — TDM
2030 CONDUCTED INSPECTION ON STORAGE AREA (CRAWL SPACE) ABOVE PRE PRESS ROOM. IT PASSED INSPECTION WITH ONE ADDITIONAL THING NECESSARY TO BE DONE. ON THE WEST WALL FOAM NEEDS TO BE APPLIED BETWEEN 2 WALLS. ↑N FOAM IN AREA BETWEEN ALL BEAMS.
[signature] 5/16/04

FRANK EDWARDS BLDG.
SLR2 - ARTISTIC PRINTING / 5/16/04
Project Client DOT / VOLPE
TODD MARGULIES / [signature]

2130 LUNCH — TDM 5/16/04
NA SLR2-00257 - FIELD BLANK FSDS# SA-000066 COC# 000057 — TDM

COLLECTED AMBIENT AIR SAMPLE (OFFICE) — TDM
0300 SLR2-00254
0302 SLR2-00255
0303 SLR2-00256
} FSDS# SA-000065 COC# 000057 — TDM
COMPLETED FSDS, COC, FED-X BOX — TDM
0330 FAXED COC TO RESOURCES ENV. SVC — TDM
0415 OFFSITE FED-X DROP OFF

TDM 5/17/04

Location SLR2-ARTISTIC PRINTING Date 5/17/04

Project / Client DOT / VOLPE

TODD MARGULIES / Todd Mag

1700 ARRIVED SITE — TDM

WEATHER: PARTLY CLOUDY, ~70° P/E - LEVEL C

TASKS:

① WET WIPE / HEPA VAC — TDM

② MOVING EQUIPMENT + ITEMS OUTSIDE LEVEL C TO INSIDE LEVEL C CONTAINMENT FOR CLEANING — TDM

③ SUPPORT PEOPLE - LEVEL C — TDM

④ AMBIENT SAMPLING OFFICE AREA

⑤ CLEARANCE SAMPLING ABOVE PRE PRESS ROOM.

SAMPLING - ALL SAMPLES WILL BE COLLECTED W/A/W RAWP FOR C. BAY ASBESTOS PROJECT EPA 11/03. — TDM

1710 CALIBRATE PUMPS 691412, 612071, 626603 (2.5 L/MIN) W/ ~~DCL~~ TDM 5/17/04 DCL 1783 DRY CAL MSTER. TDM 5/17/04

1815	SLR2-00258	- WORKER ENTRANCE TO OFFICE AREA — TDM
1817	SLR2-00259	- OFF SE CORNER OF MAIN OFFICE — TDM
1822	SLR2-00260	- OUTSIDE OFF CORNER OF WEST BAY LOADING DOCK + MAIN OFFICE

Todd Mag 5/17/04 TDM

Location SLR2- ARTISTIC PRINTING Date 5/17/04

Project / Client DOT / VOLPE

TODD MARGULIES / Todd Mag

1730 TOMMY: NO PROBLEM RUNNING PROPANE FORKLIFT INSIDE CONTAINMENT IN ARTISTIC PRINTING. TAKE NOTE OF SAMPLE LOCATIONS (IE. NO TOO CLOSE TO FORKLIFT) + MAY HAVE TO RUN 2 SAMPLES (4 HR EACH) FOR 1 SAMPLE SUBMITTED TO LAB TO AVOID OVERLOADING. ALSO BE AWARE OF ADDED H+S ISSUES. — TDM

1800 ER SAFETY MEETING — TDM

1920	SLR2-00261	- NW CORNER OF CRAWL SPACE ABOVE PRE PRESS ROOM
1922	SLR2-00262	- NE CORNER OF CRAWL SPACE ABOVE PRE PRESS ROOM
1924	SLR2-00263	- CENTER OF CRAWL SPACE ABOVE PRE PRESS ROOM
1927	SLR2-00264	- SW CORNER OF CRAWL SPACE ABOVE PRE PRESS ROOM
1929	SLR2-00265	- SE CORNER OF CRAWL SPACE ABOVE PRE PRESS ROOM — TDM
NA	SLR2-00266	- FIELD BLANK FSDS# SA-000069, COC 000059 — TDM
NA	SLR2-00267	- ARCHIVE BLANK FSDS# SA-000070 COC# 000059 — TDM

Todd Mag 5/17/04

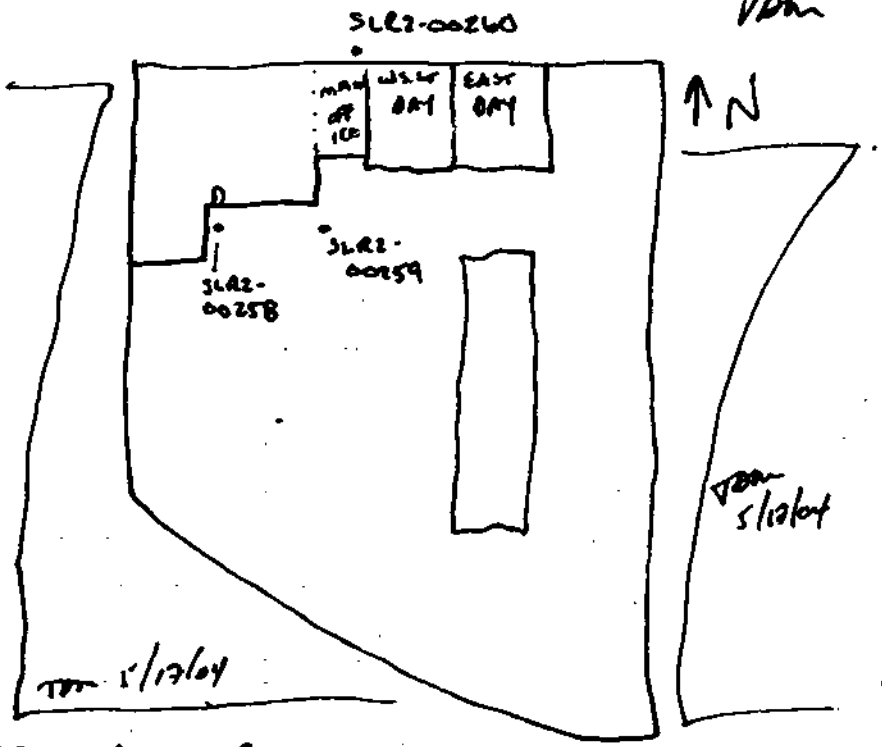
Location SLR2- Artistic Printing Date 5/17/04

Project Client Dot / Volpe

Todd Margulies / Todd Mgl

Ambient Air Sample Locations For Office Are As Follows:

TDM



1920 Began Clearance Sampling On Crawl Space Above Pre Press Room.

Todd Mgl 5/17/04

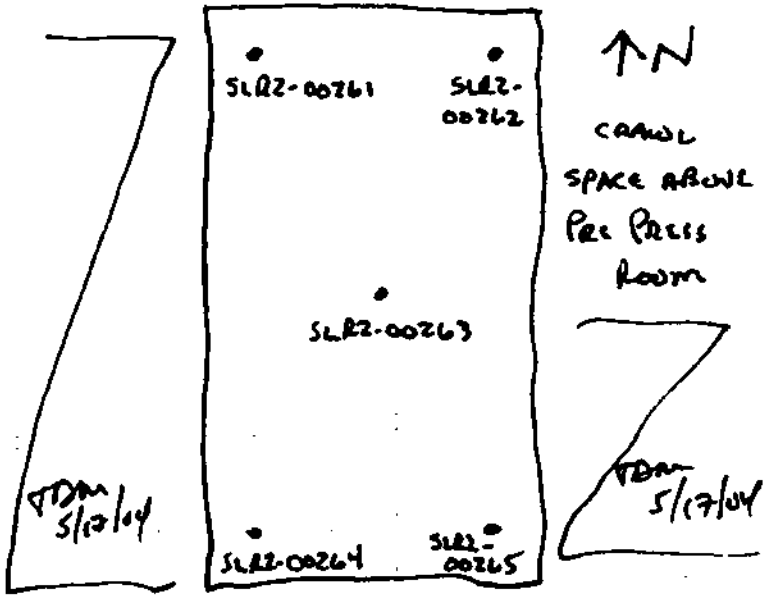
Location SLR2- Artistic Printing Date 5/17/04

Project Client Dot / Volpe

Todd Margulies / Todd Mgl

Clearance Air Samples For Crawl Space Above Pre Press Room Are As Follows:

TDM



2100 Containment Smoke Check In Crawl Space Above Offices. Passed! Before Work Begins Need Cross Members To Walk On, Radios, Someone On Lift At All Times.

TDM 5/17/04

SLR2 - ARTISTIC PRINTING 5/17/04
DOT/VOLPE
TODD MARGULIES [signature]

Am
As

COLLECTED CLEARANCE SAMPLES FROM CRAWL SPACE ABOVE PRE PRESS ROOM — TM

2208 SLR2-00261
2210 SLR2-00262
2212 SLR2-00263
2214 SLR2-00264
2216 SLR2-00265

FSDSs # SA-000068, SA-000069
COC # 000059

2400 LUNCH — TM

COLLECTED AMBIENT AIR SAMPLES FROM OFFICE AREA — TM

0257 SLR2-00258
0259 SLR2-00259
0301 SLR2-00260

FSDS # SA-000067
COC # 000058

COMPLETED ALL FSDSs, COC, FED-X BOX

0320 FAXED COCs TO RESOURCES ENV. SVC — TM

500 OFF SITE FED-X DROP OFF — TM

TM

1920

[signature] 5/18/04

SLR2 - ARTISTIC PRINTING 5/[illegible]/04
DOT/VOLPE
THOMAS E. COOK [signature]

THE FOLLOWING ENTRIES WILL BE MADE BY THOMAS E. COOK, CDM. COOK WILL BE OVERSIGHT ON DAYS (6A-6P) AND TODD MARGULIES WILL BE OVERSIGHT ON NIGHTS (6P-6A). — [signature]

1050A - ARRIVE AT SITE. TAKED WITH CRAIG MYERS (EPA) AND BUCH WILLOUGHBY ABOUT ONGOING ACTIVITIES. THE BUILDING OWNERS ARE STILL WORKING. IT IS SCHEDULED THAT THE EPA WILL HAVE CONTROL OF THE BUILDING ON MAY 19. CURRENTLY THERE ARE TWO CLEANING CREWS; ONE IN THE OFFICE AND ONE IN THE OFFICE ATTIC.

1115 - WALK GROUNDS WITH DARREL BIGGS (CDM). PROGRESS IS GOING VERY GOOD. THE AREAS CLEANED/CLEAR COOK VERY GOOD. NO VISIBLE SIGNS OF DEBRIS.

- HAD THE OR CREW INSTALL SOME FLAPS OVER THE MAKE UP AIR VENTS FOR H&S REASONS.
- WEATHER, WINDY ~60°F MOSTLY SUNNY
- TASKS (FOLLOWING PAGE)

[signature]

Location SLC2 - ARTISTIC PRINTING Date 5/18/04

Project Client Pat Wade

Thomas E. Cook

① INTERIOR CLEANING
② SUPPORT STAFF
③ OVERSIGHT

PPE: LEVEL C FOR TASK ①
LEVEL D FOR TASKS ② & ③. —
- ADVISED TODD MARGULIES TO HAVE ER CONTINUE CLEANING ALTHOUGH AMBIENT AIR SAMPLES WILL NOT BE COLLECTED ON 5/18/04 DAY SHIFT BECAUSE THE REQ. VOLUME OF AIR WILL NOT BE COLLECTED
1200 - BREAK FOR LUNCH
1245 - RETURN FROM LUNCH, CHECK IN AND DO SITE WALK.
1335 - MAKE RUN TO STAPLES FOR A FEW SUPPLIES.
1400 - RETURN TO SITE. MOST OF TODAY'S WORK WILL BE DONE FROM CAMERAS AND FREQUENT VISITS INSIDE THE ARTISTIC BUILDING CONTAINMENT.
1530 - DISCUSS W/ CAPPE-MYERS & CHRIS GARCIA THE OPTION OF LOADING OUT "MARKED" ITEMS TO A CLEAN AREA.

Location SLC2 - ARTISTIC PRINTING Date 5/18/04

Project Client Pat Wade

Thomas E. Cook

1700 - TODD MARGULIES ARRIVES ONSITE.
- RELINQUISH LOGBOOK TO T. MARGULIES.
WEATHER: PARTLY CLOUDY ≈70° PPE - LEVEL C
TASKS:
① WET WIPE/ACPA VAC
② CLEANING CRAWL SPACE ABOVE OFFICE AREA
③ SUPPORT PEOPLE - LEVEL C
SAMPLING: ALL SAMPLES WILL BE COLLECTED W/A/W RAWP FOR LIBBY ASBESTOS PROJECT EPA 4/30
1710 CALIBRATED PUMPS 691412, 612071, 626603 (2.5 l/min) w/ DCL-1783 DAY CAL METER

1813	SLR2-00268	- WORKER ENTRANCE TO OFFICE AREA
1824	SLR2-00269	- OFF SE CORNER OF MAIN OFFICE
1818	SLR2-00270	- OUTSIDE OFF CORNER OF WEST BAY LOADING DOCK + MAIN OFFICE.
NA	SLR2-00271	- FIELD BLANK FSDS# SA-000072 COC# 000060

1800 ER SAFETY BRIEFING

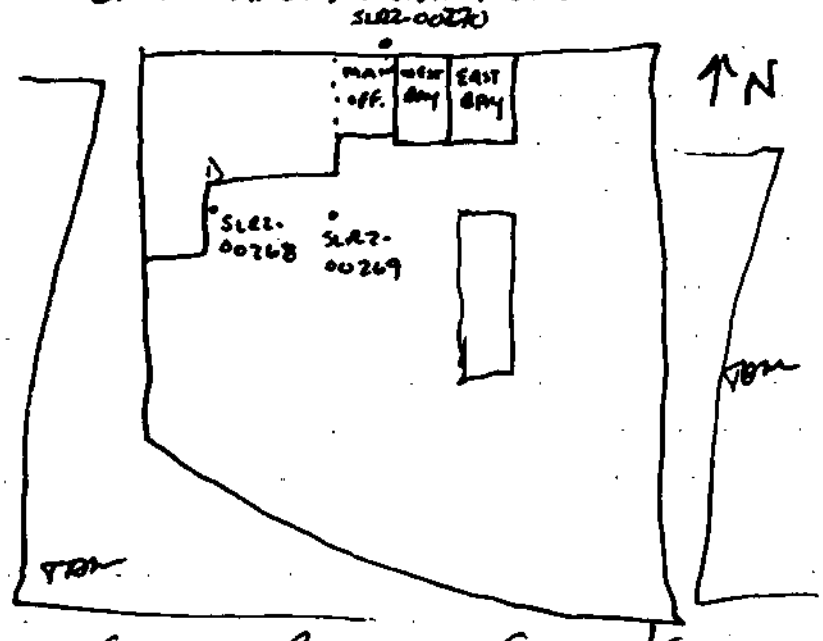
5/18/04

Location SLR2- Artistic Printing Date 5/18/04

Project / Client Dot / Volpe

Todd Margulies / Todd Margulies

Ambient Air Samples Locations For Office Area Are As Follows: TDM



1930 Conducted Containment Check w/ Smoke Tester On Office Area, Adavant Room, And Scheduling Office. All Passed.

Note: ER Outside Containment Support People Need To Remain At Their Posts At All Times. They Are Not To Leave Unless Someone Else Replaces Them. This Has Happened On A Few Occasions (No Replacement). Merrill Of ER, Craig Of EPA

Location SLR2- Artistic Printing Date 5/18/04

Project / Client Dot / Volpe

Todd Margulies / Todd Margulies

And Chris Of Coastguard Have All Been Appraised Of The Situation So That It Does Not Happen Again. TDM

2100 Break TDM

2130 Conducted Containment Check w/ Smoke Tester On East Bay Loadout Containment. Passed.

2400 Lunch TDM

TDM 0300 Break TDM

Collected Ambient Air Samples From Office Area TDM

0300 SLR2-00268
0301 SLR2-00269
0302 SLR2-00270
} FSDS# SA-000071
COC# 000060 TDM

Completed FSDS + COC TDM

No Fax Of COC To Lab As 5/18/04 Day Shift Samples Will Be Included On It. No FED-X Drop Off For Same Reason. TDM

0430 Off Site

Todd Margulies 5/19/04

Location SLC2 - ARTISTIC PRINTING Date 5/19/04

Project Client DOT/VOLPE

THOMAS E. COOK [signature]

0530 THOMAS E. COOK AUTHOR, CDM ARRIVES ONSITE TO BEGIN DAY. [initials]

WEATHER: CLEAR, ABOUT 50°F, FORECAST IS SUNNY.

TASKS TO BE PERFORMED:

1. INTERIOR CLEANING
2. OUTSIDE SUPPORT
3. OVERSIGHT

PPE TASK: 1 TO BE DONE IN LEVEL C
TASKS 2 & 3 TO BE DONE IN LEVEL D.

SAMPLING: ALL SAMPLES TODAY WILL BE COLLECTED IAW THE RAWP FOR THE LIBBY ASBESTOS PROJECT (ERD 11/03). [initials]

~~*SEE 05~~ TEC 5/19/04 [initials]

0550 - BEGIN CALIBRATING STATIONARY AIR SAMPLES CALIBRATE PUMPS 602269, 626886, & 626798 WITH DC8-1783 DRY CALL [initials]

0631 START SLR2-00272 - WORKER ENTRANCE TO OFFICE AREA [initials]

0632 START SLR2-00273 - SE CORNER OF MAIN OFFICE

0635 - START SLR2-00274 - OUTSIDE W BAY

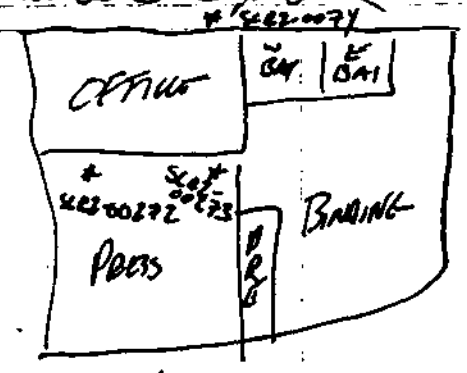
- SEE PAGE 21 FOR MAP [initials]

[signature]

Location SLC2 - ARTISTIC PRINTING Date 5/19/04

Project Client DOT/VOLPE

THOMAS E. COOK [signature]



MAP OF SAMPLE LOCATIONS

0640 - DO INSPECTION OF 2 FORK LIFTS DECON BY NIGHT CREW. DAY CREW WANTS TO REMOVE THEM FROM BUILDING THIS MORNING. THE FORKLIFTS LOOK GOOD. PASS CLEANING [initials]

0650 - CREW IS IN CONTAINMENT WORKING

0712 - DO INTERIOR WALK-THROUGH. PUMPS LOOK GOOD. PROGRESS GOING WELL [initials]

0830 - DO AN TEC 5/19/04 INSIDE CHECK

0850 - ER 6 COMING OUT FOR BREAK

0925 - ER GOING BACK IN.

1043 - MAKE CONTAINMENT ENTRY ABOVE OFFICE AREA. IN GENERAL, THE CLEANING IS GOING SLOW BUT EFFECTIVE. INSPECTED AREAS THAT WERE CLEANED BY THE NIGHT CREW AND THEY LOOK GOOD

[signature]

Location SLC2-ARTISTIC PRINT Date 5/19/04

Project Client DOT/VOLPE

Thomas E. Cook

ER HAS 3 PEOPLE INSIDE DONE GROSS REMOVAL (DUST, ETC) AND DETAIL. ONE OUTSIDE SUPPORT PERSON AND ONE PERSON ON THE VAC TRUCK. NO MAJOR HEALTH & SAFETY CONCERNS. NEED TO MAKE SURE CREW IS HYDRATED. — [illegible]

1145 - LEAVE CONTAINMENT. / ER COMING OUT FOR LUNCH

1215 - GOTO LUNCH — [illegible]

1315 - RETURN FROM LUNCH

1340 - ENTER ~~CONT~~ TEL 5/4/04 AP CHECK PUMPS

1418 - TALK W ER/EPA/COAST GUARD REGARDING CLEANING SHEETER/PRINTER. IT WAS DETERMINED THAT WE WOULD VAC & WIPE AS PREVIOUSLY PLANNED.

1627 - PULL AND POST-CALIBRATE SLR2-00272

1628 - PULL AND POST-CALIBRATE SLR2-00273

1629 - PULL AND POST CALIBRATE SLR2-00274

SEE FSDS SA-000073 FOR MORE INFO.

RELINQUISH ON COC 00060 ON FEDEX 845854957540.

1720 - ENTER S OFFICE E SIDE CONTAINMENT. LOOKS VERY GOOD AREA ADJ. — [illegible]

1730. RELINQUISH LOGBOOK TO TODD MARMILES.

NO MORE ENTRIES.

[illegible]

Location SLC2-ARTISTIC PRINT Date 5/19/04

Project Client DOT/VOLPE

Thomas E. Cook [illegible]

PHOTO LOG

PICTURE	ASPECT	CAPTION
1	W	ATTIC ABOVE OFFICE
2	NW	"
3	W	" SHOWING VAC HOSE
4	W	CLEANING IN ATTIC ABOVE OFFICE
5	W	"
6	W	"
7	N	S. OFFICE CONTAINMENT (OFFICE)
8	NW	ATTIC ABOVE OFFICE ENTRY

TDM

1	W	FORKLIFT REMOVING CLEAN PAPER ROLL
2	W	AMBIENT AIR MONITOR OUTSIDE OFFICE
3	N	SUPPORT PERSON FOR ATTIC ABOVE OFFICE
4	NW	CLEANING IN E. BAY CONTAINMENT

TDM 5/19/04

Location SLR2-ARTISTIC PRINTING Date 5/19/04

Project / Client DOT / VOLPE

TODD MARGULIES

1700 ON SITE — TDM

WEATHER: SUNNY ≈ 75° PPE: LEVEL C

TASKS: — TDM

① CLEANING OFFICE AREA + CRAWL SPACE ABOVE OFFICE AREA — TDM

② OUTSIDE SUPPORT — TDM

③ OVERSIGHT — TDM

SAMPLING: ALL SAMPLES WILL BE COLLECTED 1/4/W RAWP FOR LOBY ASBESTOS PROJECT EPA 11/03.

1715 CALIBRATED PUMPS 691412, 612071, 626603 (2.5 l/min) W/ DCL-1787 DRY CAL METER — TDM

TDM 5/19/04

1625	SLR2-00275	- UNDER CAVERNICE TO OFFICE AREA — TDM
1626	SLR2-00276	- OFF SE CORNER OF MAIN OFFICE — TDM
1628	SLR2-00277	- OUTSIDE OFF CORNER OF WEST BAY LOADING DOCK + MAIN OFFICE. — TDM

1800 ER SAFETY BRIEFING — TDM

1845 BILL BENSON (OWNER OF ARTISTIC PRINTING) WANTED TO GET A PIECE OF EQUIPMENT OUT OF THE BREAK ROOM CONTAINMENT AREA. A MEETING INCLUDING FLOYD NICHOLS (EPA), TDM 5/19/04

Location SLR2-ARTISTIC PRINTING Date 5/19/04

Project / Client DOT / VOLPE

TODD MARGULIES

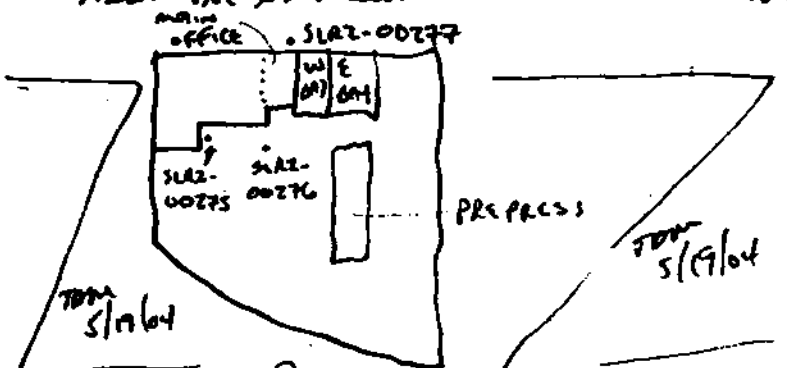
CHRIS GARCIA (CONSTGARCIA), MCARILL + BYRON (GR) AND BRIAN + TODD (CAM) WAS HELD TO DISCUSS IT. IT WAS DECIDED THAT FLOYD WOULD TELL BILL "NO" FOR THE FOLLOWING REASONS:

① POTENTIAL FOR RE-CONTAMINATING THE AREA. — TDM

② NEED TO RE-CLEAN AREA AFTER ENTERING IT. — TDM

③ DELAY IN FINISH DATE FOR ER AND SUBSEQUENT LATER DATE FOR ARTISTIC PRINTING TO GET BACK INTO BUILDING TO RESUME WORK. — TDM

AMBIENT AIR SAMPLE LOCATIONS FOR OFFICE AREA ARE AS FOLLOWS: — TDM



TDM 5/19/04

TDM 5/19/04

5/19/04

Location SLR2- ARTISTIC PRINTING Date 5/19/04

Project / Client DOT / VOLPE

TODD MARGULICS / [illegible]

1945 MERRILL HAD A SAFETY MEETING w/ NEW ED PEOPLE. I PRESENTED ARTISTIC PRINTING PERSONAL AIR SAMPLES RESULTS FOR THEIR INFORMATION. — TOM

2100 BREAK — TOM

2230 GOT ROTAMETER FROM ABOVE PRE PRESS ROOM FOR TOMMY FOR CALIBRATION. — TOM

2400 LUNCH — TOM

COLLECTED AMBIENT AIR SAMPLES FROM OFFICE AREA — TOM

0301 SLR2-00275
0303 [illegible]
~~0307~~ SLR2-00276
0305 SLR2-00277
} FSDS# SA-000074, COC# 000061 — TOM

COMPLETED FSDS + COC — TOM

NO FED-X DROP OFF COC FAX. — TOM

0400 OFF SITE — TOM

[illegible] 5/20/04

Location SLC2-ARTISTIC PRINTING Date 5/20/04

Project / Client DOT / VOLPE

THOMAS E. COOK [signature]

0600 - THOMAS E. COOK (ARTHUR) ARRIVES ONSITE

0605 - ER HAS MORNING TAILGATE SAFETY MEETING. I EMPHASIZE COMMUNICATION, HYDRATION, DECON SIGN IN/OUT, AND PCM LEVELS.

0620 - ER BREAKS AND STARTS TO ENTER DECON TRAILER FOR WORK.

0625 - CALIBRATE PUMPS 602235, 626798, AND 666217 WITH DRYCAL DC-L 1783.

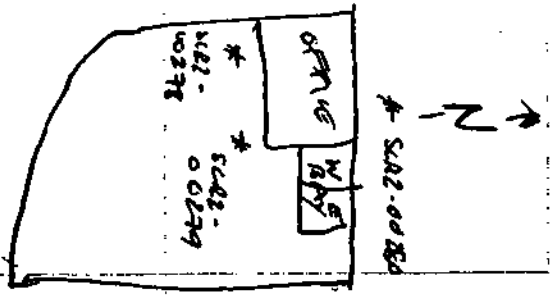
- ALL SAMPLING TODAY WILL BE DONE IAW THE RAWP FOR THE LIBBY ASBESTOS PROJECT, (ERD 11/03). — [illegible]

- TASKS WILL BE
  1. INTERIOR CLEAN OFFICE SPACE & ATTIC
  2. OUTSIDE SUPPORT.
  3. OVERSIGHT

PPE: LEVEL C FOR TASK 1, LEVEL D FOR 2 & 3.

WEATHER/FORCAST: CLOUDY, ABOUT 50°F → 78°F

SAMPLE LOCATIONS:



[signature]

SLR2 - ARTISTIC PRINT 5/20/04

Project Client: DOT/VOLPE

THOMASE COOK

0646 START SLR2-00278 - WORKER ENTRANCE TO OFFICE

0645 START SLR2-00279 OFF SE CORNER MAIN OFFICE

0642 - START SLR2-00280 OUTSIDE W DAY BY NAFV

0730 - GET PUMPS AND SUPPLIES READY FOR KUDARAUSKAS TO TAKE TO GREAT FALLS, MT.

0900 - LEAVE SITE FOR AIRPORT TO MEET WBD.

1040 - ARRIVE BACK ONSITE.

1110 - CHECK PUMPS AND DISCUSS CLEANING APPROACH WITH ER.

1200 - ER COMES OUT FOR LUNCH. GO TO LUNCH

1245 - BACK FROM LUNCH.

- CLEANING CONTINUES IN THE OFFICE AND ATTIC ABOVE OFFICE. ER ADVISED THEY MAY NEED AN INSPECTION (ATTIC) AROUND 1600.

1530 - ER SAYS ATTIC INSPECTION WILL BE LATER IN THE EVENING.

1643 PULL & POST CALIBRATE SLR2-00280

1645 PULL & POST CALIBRATE - SLR2-00279

1649 PULL & POST CALIBRATE SLR2-00278

1710 - ASSIGN SLR2-00281 FOR ARCHIVE BLANK

SLR2 - ARTISTIC PRINTING 5/20/04

Project Client: DOT/VOLPE

THOMASE COOK

SEE FSDS SA-000075 & 76 FOR MORE INFO. SAMPLES RELINQUISHED ON COC 61 AND SHIPPED ON FEDEX AIRBILL # 845854957530.

1730 - WALK THROUGH BUILDING WITH COAST GUARD, EPA, ER TO GET INFO ON CLEANING SENSITIVE EQUIPMENT BY BILL BENSON.

1900 - OFFSITE TO GO MAKE COPIES AND GO HOME

Location SLR2- Artistic Printing Date 5/2[redacted]

Project / Client DOT/Volpe

Brian Ryles/ [illegible]

1720 Arrived on-site

weather: Sunny 80's F

1800 ER tailgate safety meeting.

Tasks - A wet wipe/Hepa Vac Office area

- B Inspection + encap of attic area above office space,

C Building Containment.

1820 Calibrated pumps 602866, 666323, 691412, 612071, 626603. to 2.5 L/M with rotometer # 110432-4.

All sampling will be IAW the RAWP for Libby asbestos project (EPA 11/03).

Sampling as follows:

1845	SLR2-00282	Mens shower trailer
1847	SLR2-00283	Womens shower trailer
1861	SLR2-00284	E bay loading Dock
1855	SLR2-00285	SE corner of main office outside building
1900	SLR2-00286	outside building @ west entrance

Location SLR2- Artistic Printing Date 5/20[redacted]

Project / Client DOT/Volpe

Brian Ryles/ [illegible]

SLR2-00287 Field Blank Archive Blank

1910 Entered area above offices and completed inspection area clean but still minor dust. Will be encapsulated and no problems will exist with the clearance. Dust is in areas that have been cleaned and is imbedded in wood.

1945 exited area. ER will be encapping area next.

2100 Break.

2125 Back to work. ER continuing work on containment setup.

2200 Kuda (Volpe) arrived with samples (Soil + Dust) from Great Falls. Helped get samples ready for shipment.

2350 lunch

- ER did not have the right plugs for hogs to put in high bay areas. Electrical extensions cord and plugs did not match generators or spiderboxes. Will have to wait until day shift to complete containment.

B Ryles 5/20/04

SLR2 - Artistic Printing 5/21/04
DOT/Volpe
Brian Ryles / [illegible]

0045 Back to work.
- Light plants rented for cleaning of building were plugged in and tried. Not enough light for detail work. ER going to talk with electrician on plugging in stationary building lights to generator.
0300 Break
0315 Back to work
0350 Collected samples (ambients samples) in and around building. Collected & post calibrated as follows:
0350 SLR 2-00282 FSDS# SA-0000077
0352 SLR2-00283 SA-0000078
0357 SLR2-00284 COC# 080064
0400 SLR2-00285
0402 SLR2-00286
not SLR2-00287 Blank
0445 - ER found areas needing cleaned & sealed while working on encapping. Sealed areas and continued but not finished with encapp job yet.

[illegible]
5/21/04

SLR2 - Artistic Printing 5/21/04
DOT/Volpe
[illegible] / Brian Ryles

[illegible]
5/21/04

SLR2 - ARTISTIC PRINT 5/21/0

POT WOLPE

THOMAS E. COOK

0600 - COOK ARRIVES ONSITE. DO WALK-THROUGH WITH BRIAN PYLES. ATTIC WILL BE READY FOR CLEARANCE AROUND NOON. OFFICE READY AFTER INSPECTION.

0605 ER TAILGATE SAFETY MEETING

TASKS TO BE PERFORMED

1. INTERIOR CLEANING / WET WIPE & VACUUM
2. CONTAINMENT SETUP
3. OUTSIDE SUPPORT
4. OVERSIGHT

PPE - LEVEL C FOR TASK 1, LEVEL D 2 3 4

WEATHER/FORECAST - MOSTLY SUNNY 52° → 70°F

0630 CALIBRATE PUMPS 602269, 626886, 666217 WITH ROTAMETER 110432-4.

- ALL SAMPLES TO BE COLLECTED LAW THE, RAWP FOR THE LIBBY ASBESTOS PROJECT (EPA 11/05).

0658 START SLR2-00288 B/W E&W BDY DOOR

0702 START SLR2-00289 - NAFV ON W ENTRANCE

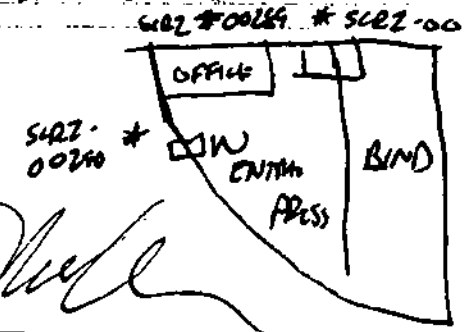
0704 SLR2-00290 - W BUILDING ENTRANCE

*SEE SAMPLE LOCATIONS ON P.35

SLR2 - ARTISTIC PRINT 5/2[illegible]

POT WOLPE

THOMAS E. COOK



0800 - CHECK PUMPS. NOTICE SAMPLE SLR2-00290 WAS ON HOLD. I MAY HAVE INADVERTENTLY DID THIS. VOID SAMPLE

0812 START SLR2-00291 @ LOCATION OF SLR2-00290.

0914 DO INTERIOR WALK OF THE CONTAINMENT SET UP AREA. GOING WELL. WAS ADVISED THAT CLEARANCE WILL BE READY @ LUNCH. —

1030 GO INTO CONTAINMENT AND DO VISUAL INSPECTION OF AREA (OFFICES) CLEANED.

- HAD KEN GO OVER A FEW MORE AREAS WITH VACUUM & WET WIPE. WILL INSPECT AGAIN PRIOR TO CLEARANCE SAMPLING —

1145 - ENTER ATTIC OVER OFFICE TO COLLECT CLEARANCE. DIFFICULT TIME SETTING UP.

SLC2 - ARTIST PRINTING Date 5/21/04

Joe Volpe

Thomas L Cook

~~1340~~ CALIBRATE PUMPS LISTED ON ~~ARGE~~ FSDS. GLC FSDS 81

1340 START **SLR2-00292** SW CORNER GLC

1341 START **SLR2-00293** SE CORNER GLC

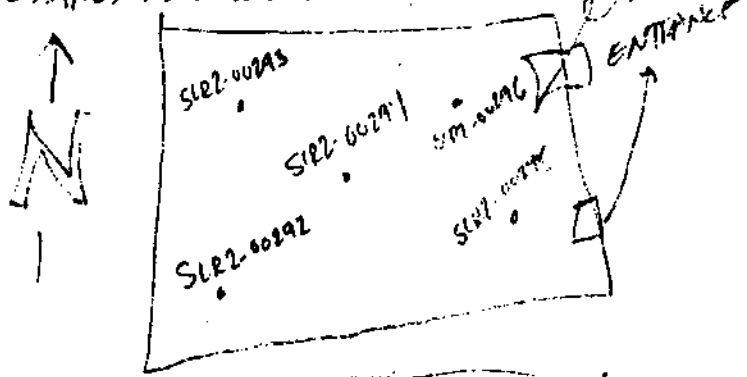
1342 START **SLR2-00294** CENTER GLC

1343 START **SLR2-00295** NW CORNER GLC

1343 START **SLR2-00296** - NE CORNER

SEE SAMPLE LOCATIONS — BELOW

- SEE FSDS SA-00081, 82, 83 FOR INFO
- SAMPLES RELINQUISHED ON COL 00065.



Location SLC2 - ARTISTIC PRINTING Date 5/21/04

Joe Volpe

Thomas L Cook

- ASSIGN **SLR2-00297** FIELD BLANK GLC

- ASSIGN **SLR2-00298** - ARCHIVE BLANK GLC

1643 STOP SLR2-00291 POST CALIBRATE
1648 STOP SLR2-00289 POST CALIBRATE
1652 STOP SLR2-00288 POST CALIBRATE

CHRIS GARCIA (USCG) ADVISES THAT SAMPLE SLR2-00288 FELL DOWN AND HE PICKED IT BACK UP AND TO CEILING.

- ALSO, FOR ABOUT 1 HR AROUND 1200-1300 FT QUICK STORM MOVED THROUGH CREATING LOTS OF WIND GUSTS. — GLC

- ASSIGN **SLR2-00299** ARCHIVE BLANK GLC

- 1700 B. PYLES ONSITE
- SEE FSDS SA-00079, 80. SEE COL 65 FOR INFO.
- NO MORE ENTRIES.

SLR2-Artistic Printing 5/21/04
DOT/Volpe
[signature] / Brian Pyles

1730 Arrived on site.
- Went on walk through with Tommy Cook. Setting up containment on west side of building in Press Room for start of cleaning.
- There is an exposed electrical box in Sout area of press room. Workers sealing up areas so no one will be able to access box.
- 1820 Tailgate safety meeting.
  - Tasks today are
    (1) Hepa Vac/wet wipe interior cleaning. PPE Level C
    (2) Support. PPE Level D
Weather: cool tonight 50's presently 80°F
1830 Smoke tested containment to see if criticals are working. Passed inspection but will check main area later. All criticals are good. Edward Rexroad U.S. Coast Guard Strike Team on site assisted on smoke test
[signature] 5/21/04

SLR2-Artistic Printing 5/21/04
DOT/Volpe
[signature] / Brian Pyles

1900 Calibrated pumps. Sampling will be completed IAW RAWP for Libby Asbestos Project (EPA 11/03). Sampling is as follows:

1940	SLR2-00300	Between E+W Loading Docks,
1942	SLR2-00301	NAFU @ west Bay.
1944	SLR2-00302	Outside west entrance to Building
[illegible]	SLR2-00303	ARCHIVE blank.

[signature] 5/21/04

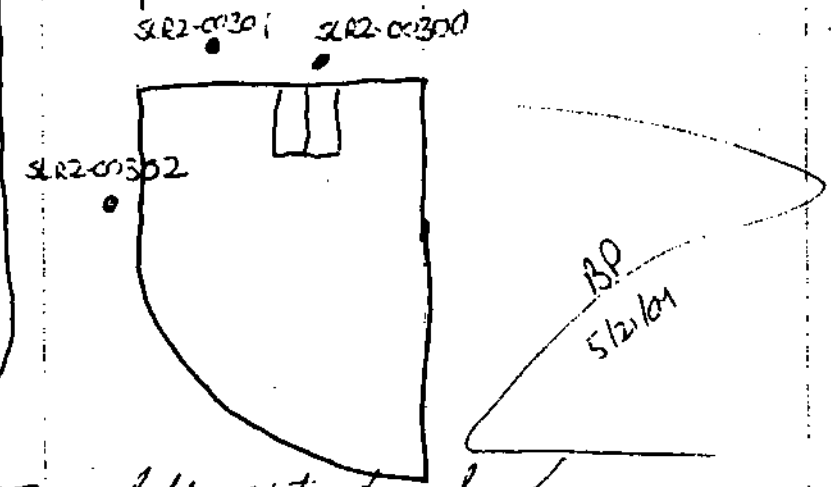
2100 Break.
2120 Back from break.
- Problems with electrical & building light. Electrician wired up lights backwards and overheated circuits. ER fixed problem and continued cleaning.
2350 out for lunch
[signature]

SLR2-Artistic Printing 5/22/04
DOT/Volpe
[signature] / Brian Pyles

0055 Back into containment
0210 went into containment to check on progress. Progress seems to be going well. Went to take pics but ~~[illegible]~~ no camera. One of workers slipped on wet wiped surface and broke alarm light off of machine. We took pic of broken light and will get epoxy to fix. Plastic is all that was broken, no wires or alarm
0250 out of containment
0300 break.
0330 Entered building, worker had question about cleaning of compute for blade on instrument fans.
0415 Completed inspection on air dryer in South Storage area of building. Workers still needed to take top cover off and clean top of machine inside. Also under machine still had major amounts of dust.
0445 left containment.
[signature] 5/22/04

SLR2-Artistic Printing 5/22/04
DOT/Volpe
[signature] / Brian Pyles

*Late entry
0400 Collected samples SLR2-00300, SLR2-00301, SLR2-00302. Post calibrated + sealed samples
FSDS# SA-000084 + 85.
COC# 000067
Sample Collection locations:



0515 left site for day.
[signature] 5/22/04

Location SLC2- ARTISTIC PRINTING Date 5/22/04

DOT | VOLPE

THOMAS E. COOK

0550 - COOK ARRIVES ONSITE. B. AILES LEAVES AT 0500 ACCORDING TO MCMILL, THERE WAS GOOD PROGRESS ON THE MACHINES. LAST NIGHT BY THE NIGHT CREW.

TASKS - ER TEC 5/20/04 THE FOLLOWING TASKS WILL BE PERFORMED:

1. INTERIOR CLEANING / HEPA VAC/WET WIPE
2. EXTERIOR SUPPORT
3. OVERSIGHT

PPE - LEVEL C FOR TASK 1, LEVEL D FOR TASK 2,3.

WEATHER - ~~ALL SAMPLES~~ TEC 5/20/04 PARTLY CLOUDY AND ~50° → 78°F. LIGHT BREEZE

* ALL SAMPLES TODAY WILL BE COLLECTED IAW THE RAMP FOR THE LIBBY ASBESTOS (EPA 4/03).

0600 - ER TAILGATE SAFETY MEETING

0630 - CALIBRATE PUMPS 602235, 602269, & 626798 WITH DRYCAL 1783

0646 START SLR2-00304 B/W E & W BAY

0648 START SLR2-00305 - NAPV ON W BAY BY N OFFICE ENTRY

0650 START SLR2-00306 - OUTSIDE W ENTRANCE

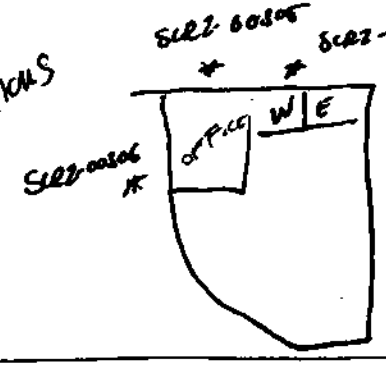
Location SLC2- ARTISTIC PRINTING Date 5/22/04

DOT | VOLPE

THOMAS E. COOK

ASSIGN SLR2-00307 FIELD ARCHIVE BLANK

SAMPLE LOCATIONS



0712 - ER INSIDE. THE DAY CREW IS FOCUSING ON THE BINDING ROOM (EAST SIDE). THREE TEAMS OF 2-3 WILL BE REMOVING BULK DUST & DEBRIS OFF THE FLOOR

0815 - PACK UP SKC PUMPS 666313, 626605, AND 612033 AND SEND BACK

0830 - PACK UP SOIL SAMPLES FROM GREAT FALLS COLLECTED BY R. KOBOSKIS.

0900 - ER IS STARTING TO COME OUT ON BREAK IN GRIDS.

0950 - EVERYONE IS BACK IN.

0952 - ENTER CONTAINMENT TO CHECK PROGRESS.

SLC 2 - ARTISTIC PRINT 5/22/04
DOT WOLDE
THOMAS E. Cook

PICTURE	DATE	CAPTION	APPR.
1	5/21/04	CLEANING OFFICE	N
2	"	EQUIPMENT CLEANED & COVERED.	NW
3	"	CLEANING OFFICE	N
1	5/22/04	ARTISTIC PRINTING TEMP OFFICE	NE
2	"	SITE SETUP	S
3	"	"	SE
4	"	CLEANING BINDING ROOM	E
5	"	"	E
6	"	"	S
7	"	"	SE
8	"	" BREAK AREA	S
9	"	"	N
10	"	"	SW
11	"	"	W
12	"	"	N
13	"	"	W
14	"	COOL INSPECTING - CLEANED ITEMS	E
15	"	"	SW

SLC2 - ARTISTIC PRINTING 5/22/04
DOT / WOLDE
THOMAS E. Cook

1000 ENTER CONTAINMENT TO CHECK LAST NIGHTS PROGRESS AND HOW THE DAY CREW IS DOING W/R/T CLEANING THE MACHINES. IT LOOKS GOOD ON THE W SIDE (PRESS ROOM). NEED TO IMPROVE ON HOUSECLEANING. ON THE ~~W~~ E SIDE, PROGRESS IS DOING GOOD. WILL GO IN AFTER LUNCH TO INSPECT COMPLETED MACHINES.
1053 - EXIT CONTAINMENT AFTER FEW PICTURES
1103 - DOWNLOAD PREVIOUS DAY PICTURES.
1206 - GO TO LUNCH
1245 - RETURN FROM LUNCH
1300 - ER BACK INSIDE WORK
1418 - CALLED LAB. CLEANING SAMPLES IN ATTIC ARE NONDETECT PER VERBAL. INFORM ER.
1530 - GO INTO CONTAINMENT TO CHECK PROGRESS. IN GENERAL, THE TEAMS INSIDE ARE DOING VERY WELL. INSPECTED SOME MACHINES THAT ER CLAIMED TO BE DONE AND ~~THOUGHT THEY COULD BE~~ TEC 5/22/04 SHOWED SOME AREAS THAT NEED TO BE WIPED AGAIN.

Location SLC2 - Artistic Printing Date 5/23/0

Project Client Jet Wipe

Thomas E. Cook [signature]

Pk ONE CONCERN IS THAT THE CREW IS
1 SPENDING TOO MUCH TIME ON THE INTRACACIES OF
2 THE MACHINE AND NOT THE OBVIOUS AREAS.
3 HAD MEETING WITH INSIDE GROUP LEAD-
4 ERS TO EXPLAIN WHAT I WILL BE LOOKING
2 FOR WITH RESPECT TO CLEARING & COVERING
3 MACHINES CLEARED COLE MACHINE, MACHINE ON SW
4 CORNER OF BUILDING AND A FEW MISCELLANEOUS
5 MACHINES IN THE CENTER OF THE ROOM.
6 1700 - EXIT E ROOM (BINDING ROOM) TO
7 ENTER OFFICE ATTIC & COLLECT PUMPS. — [initials]
8 1815 - EXIT CONTAINMENT. — [initials]
9 1844 - STOP & POST CALIBRATE SLR2-000306
10 1846 - STOP & POST CALIBRATE SLR2-000305
11 1848 - STOP & POST CALIBRATE SLR2-000304.
12 - SEE FSDS SA-85B & 86, COC 67.
13 1915 - LEAVE SITE. [illegible] TO B PYLES.
14
15
—

[signature]

Location SLR2/Artistic Printing Date 5/22/0

Project Client DOT/Volpe

[signature] / Brian Pyles

1720 Arrived @ site
1800 Tailgate Safety Meeting. Discussed last nights work. Everything going well possible ahead of schedule.
Tasks for today:
1) wet wipe/Hepa Vacum, PPE-Level C
2) Support Oversight PPE-Level D
Will also be collecting clearance samples in office areas today.
- Floyd Nichols (EPA) on site is happy with removals & cleanup, said that next couple of days will show the job.
Sample collected Ambient Air will be collected IAW RAWP for Libby Asbests project.
— Samples as follows:

1910	SLR2-00308	Between E & W Bay/
1912	SLR2-00309	NAFU on west Bay/
1919	SLR2-00310	outside west entrance of Building.

BP 5/22/04

[signature]

Location SLR2/Artistic Printing Date 5/22/04

Project / Client DOT/Volpe

Brian Pyles

2100 Break

- Workers are ready for inspection on machines + air dryer in west containment.

2145 Entered containment for inspection on Press room machines. Had them rework North side of machine that is located on west side of press Room. All is still working well.

BP 5/22/04

~~2155~~

2215 Exited Boundary.

Prepared for Clearance samples in Office area.

2250 Entered to Start clearance samples Sampling as follows: BP 5/22/04

2302	SLR2-00311	Main office entry
23 ~~1~~05	SLR2-00312	Main Entry way at top of Stairs
23 ~~1~~07	SLR2-00313	Reception area east side
23 ~~1~~12	SLR2-00314	SE office
23 ~~1~~15	SLR2-00315	Reception area

Location SLRR / Artistic Printing Date 5/22/04

Project / Client DOT/Volpe

Brian Pyles

NA SLR2-00316 Field Blank

2355 Break for lunch

5/22/04

Location SLR2/Artistic Binding Date 5/23/04

Project / Client DOT/Volpe

Brian Ryles

0115 Entered Office containment to collect Clearance Samples

0115 SLR2-00311 FSDS# SA-000088

0118 SLR2-00312 SA-000087

0120 SLR2-00313 COC# 000067

0125 SLR2-00314

0127 SLR2-00315

not SLR2-00316 Blank

0200 Entered containment for inspection on Machine on west side. OK'd to Cover + seal. Did inspection on Machine on East wall of Press Room OK'd to cover. Workers were putting 600 neg air in space under middle machine to vent area under machine.

0230 out of containment.

0345 Collected AA samples from perimeter of building.

0345 SLR2-00308 FSDS# SA-000087

0347 SLR2-00309 COC# 000067

0349 SLR2-00310

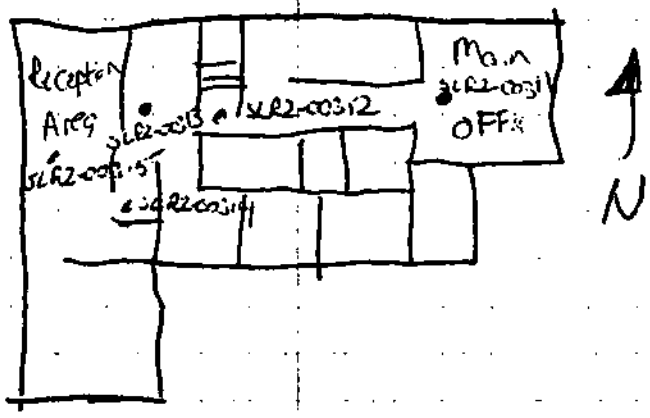
BP 6/23/04

Location SLR2/Artistic Printing Date 5/23/04

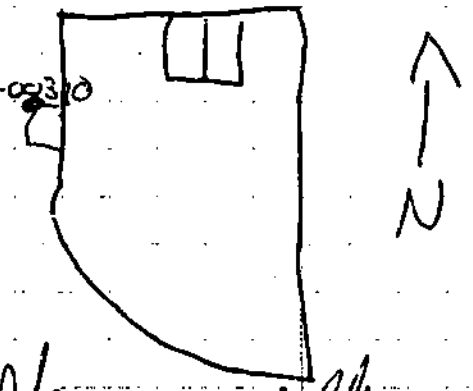
Project / Client DOT/Volpe

Brian Ryles / Br. Ryles

Sample locations for Clearance Samples taken today as follows:



Sample locations for ambients



B Ryles

0515 left Site

B Ryles

No Further entries

SLC2-00 TO ARTISTIC PRINTING 5/23/04

Dot Vape

Thomas E. Cook

0555 - ARRIVE ON SITE. B. PYLESS LEAVES NOTE ON PREVIOUS NIGHT PROGRESS. — QC

0600 - ER SAFETY MEETING. DISCUSS SOME CLEANING PROCEDURES. — QC

0620 - ALL SAMPLES TODAY WILL BE COLLECTED IAW THE RAWF (FINAL DRAFT) FOR THE LIBBY ASBESTOS PROJECT (EPA, 11/03). TODAYS TASKS WILL INCLUDE:

① INTERIOR CLEANING OF THE BINDING ROOM
② OUTSIDE SUPPORT
③ OVERSIGHT

PPE - LEVEL C FOR ①, LEVEL D OF ② ③.
WEATHER 68° F & SUNNY, CALM BREEZE
CALIBRATE PUMPS 602235, 602269, 626603 AND 69142 W DRYCAL DCL 1783. — QC

0644 START — SLR2-00317 — ER TRAILER BREAK ROOM

0656 START — SLR2-00318 — B/W E & W BAY

0657 START — SLR2-00319 — N OF BLDG BY NAFU

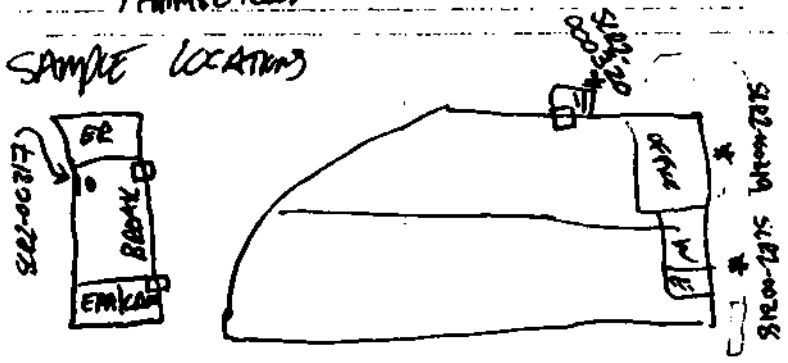
0659 START — SLR2-00320 — W OF BLDG

SLC2-ARTISTIC PRINTING 5/23/04

Dot Vape

Thomas E. Cook

SAMPLE LOCATIONS



0743 - WALK PERIMETER OF SITE TO CHECK NEG AIR & PUMPS — QC

0900 - ER COMING OUT ON BREAK IN GROUPS. ALWAYS A CREW WORKING.

0915 - CREW STARTS HEADING BACK IN

1000 - ENTER CONTAINMENT TO CHECK ON PROGRESS. CLEARED 4 MACHINES. WORKERS ARE DOING A GOOD JOB, NEED TO FOCUS ON OBVIOUS PANELS, VACUUMING UNDER MACHINES WHEN FINISHED HAD THEM GO BACK TO ABOVE 3 AND RECLEAN. — QC

1030 - ER DOES SAFETY FIRE DRILL. NOT ABLE TO HEAR HORN BLAST INSIDE. WILL WORK PROCEDURE OUT. THAT IS, MAKE SURE VAC TRUCK OPER.

SLC2-ARTISTIC PRINT Date 5/23/04

Thomas E. Cook

SHUT OFF POWER TO VAC HOSE. — gc
1145 - COME OUT OF CONTAINMENT.
ER STARTING TO GO TO LUNCH.
1230 - BACK FROM LUNCH — gc
1415 - ENTER CONTAINMENT TO VIEW HOW THE CLEANING IS GOING ON. — gc
CLEANED APPROX 4 MACHINES, HAD ER RE CLEAN A FEW MACHINES. — gc
1608 - STOP AND POST CALIBRATE SLR2-00317
1615 - STOP AND POST CALIBRATE SLR2-00318
1618 - STOP AND POST CALIBRATE SLR2-00319
1620 - STOP AND POST CALIBRATE SLR2-00320
- SEE FSDS SA-00090, 00091 FOR ADDITIONAL INFORMATION. SEE ~~LOC~~ TCC 5/23/04 COC 00067. — gc
- NO MORE ENTRIES. TURN LOGBOOK OVER TO B. PYLES. — gc

SLR2-Artistic Printing Date 5/23

DOT/Volpe

Brian Pyles / [signature]

1730 Arrived onsite
1800 Safety (Tailgate safety meeting)
- Decon procedures
Activities tonight will be
1) wet wipe / Hepa Vacuum level C
2) Support " " level D
1530 Calibrated Pumps GG217, C1207 / 62.5L with DC Lith 1783.
All sampling is collected IAW RAWP for Libby Asbestos project EPA (11/03).
Sampling as follows BP 5/23/04

1845	SLR2-00321	Between E and W Bay loading docks NAFU - North side of building.
1850	SLR2-00322	

2100 Break.
2210 Went into area to check on progress. Inspected machine in center crawled underneath to check on condition. Progress is well on machines, found problems on north end of machine

[signature]

58

Location SLR2-Artistic Printing Date 5/24/04

Project Client DOT/Volpe

Brian Pyles / Brian Pyles

Workers helped isolate exhaust on machine and continued cleaning

0010 5/24/04 exited Boundary for lunch.

0300 Out for ~~lunch~~. BP 5/24/04 Break

0315 Back into containment. Workers ready for check + have questions on a couple of items

0355 Entered boundary to do inspection on main machine and computer/Print Boards. On North end of building/Machine where exhaust goes up to Roof. Here is still material/corn. starch around gears and on side. Feel it will be OK but will talk to Tommy about issue.

0500 Exited boundary.

Late entry * collected air samples

0340 - SLR2-00321 FSDS #000092

0342 SLR2-00322 COC# 000069

Brian Pyles

No Further Entry

Location SLC2-ARTISTIC PRINTING Date 5/29/04

Project Client DOT/Volpe

THOMAS E. COOK

0555 - COOK ARRIVES ONSITE TO CONTINUE OVERSIGHT DUTIES. ER WILL PERFORM THE FOLLOWING TASKS IN THE RESPECTIVE PPE:

(1) INTERIOR CLEAN (HEPA VAC, WET WIPE) LEVEL C

(2) OUTSIDE SUPPORT LEVEL D

(3) OVERSIGHT INSIDE & OUT LEVEL C & D

* ALL SAMPLING TO BE DONE IAW THE RAMP FOR THE LIBBY ASBESTOS PROJECT (EPA 11/03) WEATHER: BREEZY, PTL. CLOUDY ~69°F.

0600 - ER SAFETY TAKE AT MEETING

- DISCUSS CLEANING PROTOCOL W/ EPA, BRIAN

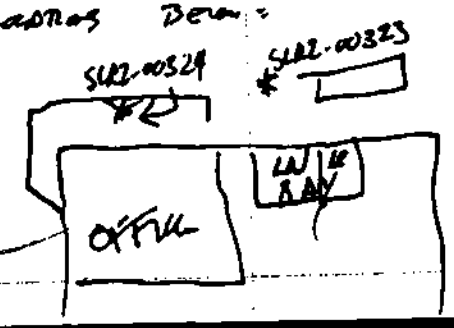
- HOW CLEAN IS CLEAN?

0615 - CALIBRATE PUMPS 602966 & 626886 W/ DRYCAL 1783.

0631 START SLR2-00323 - B/W E & W BAY

0632 START SLR2-00324 NORTH BAY W/ NORTH

* SEE LOCATIONS BELOW:



Location SLC2-ARTISTIC PRINTING Date 5/24/04

Project Client DOT/VOPE

THOMAS E. Cook

0800-0915- WORK ON LIBBY PROJECT SELECT HOUSES

0930- ENTER CONTAINMENT TO CHECK PROGRESS. LOOKS GOOD. PASS 3 MACHINES OBSERVED SOME MACHINES THAT NEEDED AN EXTRA CLEANING. TOOK FEW PICTURES. THE MACHINES SHOULD BE COMPLETED BY TOMORROW AM. ~~THE~~ TEE-STRIP ON THE EAST SIDE. ER WILL BEGIN CLEANING THE CEILING AND WALLS

1200- COME OUT OF CONTAINMENT AND CHECK PUMPS. NOTICE PUM 602966 STOPPED @ 213 MINUTES (100%). POST CALIBRATE AND SWITCH SAMPLE SLR2-00323 TO PUMP 691412.

1212- CONTINUE SAMPLE SLR2-00323.

1215- LUNCH

1300 BACK FROM LUNCH. RECIEVED SOME TEM STATIONARY SAMPLES FROM THE LAB. 2 LA STRUCTURES WERE FOUND ON 5/21/04 (FRIDAY) SAMPLE (SLR2-00289). ACTION TAKEN: DISCUSS NEG AIR MACHINES AND NAFU VENT. ENSURE FILTERS ARE CHANGED REGULARLY AND RE-DIRECT NAFU AIR FLOW.

Location SLC2-ARTISTIC PRINTING Date 5/24/04

Project Client DOT/VOPE

THOMAS E. Cook

1603 STOP & POST CALIBRATE SLR2-00323 & 324. SEE FSDS SA-000093 FOR MORE INFO. SAMPLES PLACED ON COC 000069.

1630- ENTER CONTAINMENT. INSPECTED A FEW MACHINES AND ~~ABST~~ TEE STRIP PASS THEM. TOMORROW THE CREW WILL BEGIN TOMORROW ON THE CEILING AND WALLS.

1740- EXIT CONTAINMENT

1800 ER NIGHT CREW MEETING

1830- OFFSIGHT

LATE ENTRY !!

5/25/04 1626 → ASSIGN ARCH DIANE SLR2-00327

YESTERDAY TO STAY TO SAMPLES COC 00069

62

Location SLR2 - Artistic Printing Date 5/24/04

Project / Client DOT/Volpe

Bw. 1 [illegible] / Brian Pyles

1745 Arrived @ site. Discussed with Tommy Cook about cleaning of machine in question yesterday, we agreed that machine was acceptable + finish 14 tonight by 1st break.

Weather: Sunny 70°F

Activities: Tasks 1) wet wipe/hepa vac level C

2) Support - Level D

Calibrated pumps 612071 + 666217 to 2.5 l/min with DCL 1783.

All sampling will be I/A/W RaWP for Libby Asbestos project (11/03).

Sampling as follows: BP 5/24/04

1840 **SLR2-00328** — Between E+W Bay

1842 **SLR2-00329** — N of building by NAFU + N Entrance.

2100 Break

Workers made best attempt to remove starch from exhaust to machines. Had to remove fan motor from pipe. Applied Vac hose to piping and removed material

Location SLR2 - Artistic Printing 5/24/04

Project / Client DOT/Volpe

Bw. 1 [illegible] / Brian Pyles

that was there.

2200 entered boundary and inspected machines. all is well @ machines. Workers starting on small shelves, cabinets + also starting on ceiling. Tried using cherry picker around machinery and going to work very slow.

2359 Out for lunch.

Workers continued details on smaller equipment. Finished covering machines and ready to start on ceilings.

BP 5/24/04

Location SLR2-Artistic Printing Date 5/25/[illegible]

Project / Client DOT/Volpe

[illegible] / Marian Ryles

0300 break.
0320 Back in for break.
- Workers started ceiling and having trouble with electric hoses & vacuum hoses. Moving things around to make it better for cleaning.
0350 collected samples
0350 SLR2-00325 FSDS#SF-000094
0352 SLR2-00329 COC7

[illegible] 5/25/04

Location SLR2-ARTISTIC PRINTING Date 5/[illegible]/04

Project / Client DOT / Volpe

Thomas E. Cook [illegible]

0555-ARRIVE ONSITE. [illegible]
0600-ER TAILGATE SAFETY MEETING. DISCUSS H&S AND WALL/CEILING CLEANING.
0715-CALIBRATE PUMPS 666323 & 626663. WE ARE OUT OF CASSETTES. SET UP PUMPS SO WHEN CARTRIDGES ARRIVE THEY ARE READY. [illegible]
- ALL SAMPLES WILL BE COLLECTED IAW THE FINAL DRAFT RAWP FOR LOBBY ASBESTOS PROJECT. (EPA 11/03). TASKS WILL INCLUDE ① INTERIOR CLEAN ② OUTSIDE SUPPORT ③ OVERSIGHT PPE IS LEVEL C FOR ① AND LEVEL D FOR ② & ③.
0800-DISCUSS CLEARANCE SAMPLE/LAB DELIVERY WITH MEMBER TAYLOR & D. NIGGS. PLAN TO COLLECT CLEARANCE FRIDAY AM & DELIVER THEM TO AIRPORT ON FRIDAY. [illegible]
0815-WORKERS LOBBY TO 25 WORK [illegible]
0930-DO SITE WALK [illegible]
ON 5/24/04 IT WAS DETERMINED THAT DUST SAMPLES WOULD BE COLLECTED ON THE MACHINES TO SUPPLEMENT VISUAL INSPECTIONS. 2 DUST SAMPLES, CONSISTING OF 3 POINT LOCATIONS WILL BE COLLECTED IN EACH ROOM.

[illegible]

Location SLR2-ARTISTIC PRINT Date 5/25/04

Project / Client DOT/Volpe

Thomas E. Cook

1000- CALIBRATE SKC pump 602235 WITH DRYCAL DC-1783 AND PREPARE CASSETTES FOR DUST SAMPLING.

1115- HOTEL CALLS W/R/T FEDEX (CARTRIDGED) PACKAGE. GO GET PACKAGE AND SET UP PUMPS.

1212 START SLR2-00330 B/W E & WDD/

1213 START SLR2-00331 N of BLDG BY NAFU

ASSIGN SLR2-00332 BLANK (ARCHIVE

1230- GO TO LUNCH

1245- RETURN AND ENTER CONTAINMENT, CLEAR A FEW MORE MACHINES AND TALK ABOUT THE CEILING/WALL CLEANING APPROACH.

~~1300~~ 1300 PREPARE TO COLLECT SOME DUST SAMPLES. SEE DIAGRAM ON FOLLOWING PAGE.

*SEE FSDS D-00004 & 00005 FOR INFO AND COLLECTION DESCRIPTION. APPROXIMATE LOCATIONS ON 67.

1310 COLLECT SLR2-00333

1317 COLLECT SLR2-00334

Location SLR2-ARTISTIC PRINT Date 5/25/04

Project / Client DOT/Volpe

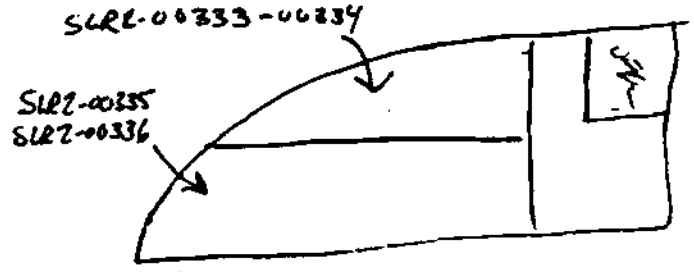
Thomas E. Cook

1324 Collect SLR2-00335

1332 Collect SLR2-00336

1338- Assign SLR2-00337 BLANK

APPROXIMATE SAMPLING LOCATIONS



1530 - EXIT CONTAINMENT

~~1600~~ 5/25/4

1800 - ER AM SHIFT SAFE/ MEETING

1815 - TALK W/ M. TAYLOR & D. DIGGS ON FEB SCHEDULE

1930 - OFFSITE

Location SLR2 / Artistic Printing Date 5/26/04
Project Client 377W / 1003 DOT / Volpe
Bri B/S Brian Pyles

1800 Arrived @ site.
- Weather Sunny 60° with earlier rain.
- Tasks today same as before PPE
  1) interior cleaning / Hepa vac Level C
  2) Support Level D
- Discussed ladder safety on tasks being done today.

Due to sample cassettes running out + getting them today samples were running for only running for App 6 hrs. Will let them run into this shift and collect later.

No Calibrations or pump set ups.

2100 Break. Discussed with workers on progress. Working on ceilings + walls.

2400 lunch

B B/S
5/26/04

Location SLR2 / Artistic Printing Date 5/26
Project Client DOT / Volpe
Br B/S / Brian Pyles

0050 back to work Continue
BP 5/26/04 ~~Seat~~ ceilings + walls.
0300 Break.
0315 Back into containment.
Continued on ceiling + walls.
0515 left site
Late entry
2355 5/25/04 collected
2355 SLR2-00330
2356 SLR2-00331

[signature]

Location SLR2-ARTISTIC PRINTING Date 5/26/04

Project Client DOT / Vape

Thomas E. Cook

0600 - ARRIVE ONSITE. B. PYLOS ALREADY GONE, ER DOING TALEATE MEETING!

0615 - ALL SAMPLES TODAY WILL BE COLLECTED IAW THE RAWP FOR THE ASBESTOS PROJECT (EPA 11/00). THE TASKS FOR TODAY INCLUDE:

1. INTERIOR CLEANING - LEVEL C
2. OUTSIDE SUPPORT - LEVEL D
3. OVERSIGHT - LEVEL D

- CALIBRATE PUMPS 666217 & 612071 WITH DRYCAL DCL 1783 — OK.

0703 - START SLR2-00338 —

0708 - START SLR2-00339 — OK

- ASSIGN SLR2-00340 BLANK (READ).

0800 - WORK ON LIBBY PROJECT TRACKING

1000 - ENTER CONTAINMENT. CONTINUE WALLS & CEILING CLEANING. — OK

1130 - EXIT CONTAINMENT — OK

1200 - 1245 LUNCH

1415 - PULL OUT SAMPLE STUFF AND WIPE DOWN

1644 - STOP & POST CALIBRATE SLR2-00338

1645 - STOP & POST CALIBRATE SLR2-00339

Location SLR2-ARTISTIC PRINTING Date 5/26/04

Project Client DOT / Vape

Thomas E. Cook

1709 - PACK UP SOME SKC TO SEND BACK

1800 - ER EVENING SHIFT ONSITE — OK

NO MORE ENTRIES

Location SLR2- Artistic Printing Date 5/26/04

Project Client DOT/Volpe

Bm [illegible] / Brian Pyles

1800 arrived onsite

weather - Sunny 60°F PPE

Tasks - (1) wet wipe / Hepa vac Level C

(2) support Level D

Will continue cleaning of ceilings + walls tonight. Also set up containment in west bay loading dock for cleaning. Calibrated pumps 626886, 666323, to 2.5 l/m with Drical DC 1783.

- All sampling will be IAW RAWP for Libby asbestos Project (11/03)

Sampling as follows: BP 5/26/04

1910	SLR2- 00341	Between E+W Bay / Loading dock
1912	SLR2- 00342	NAFU N side of building Main entrance
NA	SLR2- 00343	ARCHIVE Blank

FSDS # SA-000097

COC# 000074

2000 Containment check on West Bay loading dock. It passed, workers setting up lift and vac hose to start cleaning Loading dock. BP 5/26/04

Location SLR2- Artistic Printing Date 5/26/

Project Client DOT/Volpe

Bm [illegible] / Brian Pyles

2100 Break

2120 Back its containment.

2100 lunch

B. [illegible]

5/26/04

Location SLR2 - Artistic Printing Date 5/27/04

Project Client DOT/Volpe

Brian Pyles / Brian Pyles

0105 entered containment. Progress excellent. Should be done with ceiling tonight. Still little work on HVAC Systems. Also workers should be done with West Bay loading dock also.

0250 exited containment.

0300 Break.

0400 Collected air samples & post calibrated pumps.

0400 collected SLR2-00341

0402 collected SLR2-00342

0430 had discussion with ER on some issues with Binding Room & area north of pre-press room. Will need to talk with day crew on issues.

0500 left site.

Brian Pyles

No Further entries

Location SLR2 - ARTISTIC PRINTING Date 5/27/04

Project Client DOT/Volpe

Thomas E. Cook

0600 - ARRIVE ONSITE. ER IS HAVING A TAILGATE MEETING. PYLES LEAVES AT 0500. TODAYS TASK WILL BE
① INTERIOR WETWIPE IN LEVEL C PPE
② OUTSIDE SUPPORT IN LEVEL D PPE
③ OVERSIGHT IN LEVEL D PPE.

* ALL SAMPLING TODAY WILL BE DONE IAW THE LIBBY PAWP FOR THE LIBBY ASBESTOS PROJECT (EPA 11/03).

0615 - ER MEETING OVER. THERE SEEMS TO BE SOME MIS COMMUNICATION W/ HT POLY SHEETING ON CLEAN MACHINES. THE NIGHT STAY ABOUT 3 HOURS TO HELP DAY CREW CATCH UP.

- CALIBRATE PUMPS 60 2235 & 612071 WITH SKC TOCSILOY DCL 1783.

0716 START SLR2- 00344

0721 START SLR2- 00345

* ASSIGN SLR2- 00346 * BSLANK

Location SLC2 - Artistic Printing Date 5/27/04

Project / Client DOT/Volpe

Thomas G. Cook [signature]

1410 - ENTER CONTAINMENT. ER STILL HAS PLENTY TO DO. THEY WILL BE ASKING FOR A CONTAINMENT CHECK.

1345 - GO TO REIS ENV & FRED MEYER TO GET SMOKE TUBES AND FANS. [initials]

1738 - PVU SLR2-00344

1739 - PVU SLR2-00345

SEE SA-00098, COC 74 FOR ADDI INFO. & NO MORE SAMPLES TO BE PUMP. [initials]

1930 - B. PYLES INSIDE CONTAINMENT HE IS DOING INSPECTIONS OF BOTH SIDES NOW. HE THINKS PRESS ROOM WILL BE READY TO INSPECT BY 2100 [initials]

Brian Pyles taked control of logbook. Any Further entries will be done by Brian Pyles.

2000 - exited Boundary. went to lunch.

- ER will be finished with ceiling on Press Room. Found couple of small areas that needed cleaned. Once these are done then walls and floors will be done.

- Binding room has continuing cleaning ceiling. Not finished with northend yet. [initials]

Location SLR2 - Artistic Printing Date 5/27/04

Project / Client DOT/Volpe

[signature] Brian Pyles

2100 Break

- Talking with workers seems that should be done about midnight & ready for encapp

2115 back into containment. - inspected Binding room for encapping. Passed inspection and area ready for encapping after lunch.

2220 Out of containment.

2400 lunch

5/28/04. 0100 started encapping Binding Room. went into containment and inspected press room. Passed inspection will be Ready for encapp when Binding room complete.

0210 exited boundary.

0230 left site Will Return in Morning.

[signature]
5/28/04

Location SLC2 - ARTISTIC PRINTING Date 5/28/04

Project / Client DOT / Vape

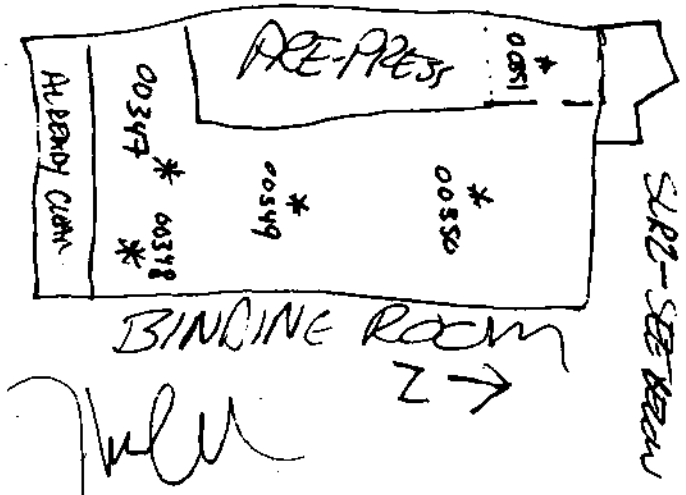
Thomas Cook

0600 ARRIVE ONSITE. ER STARTING H&S MEETING. PER NOTE FROM ER, ENCAP WAS COMPLETED ON THE BINDING @ 0230 AND PRESS ROOM 0500. ER TASKS WILL INCLUDE DEMAINT FROM SITE IN LEVEL D. WEATHER: HUMID, PARTLY ~60°F

- CALIBRATE HIGH VOL PUMPS 0603236569, 0304508585, 0603236633, 0603236585, AND 0304508588 W ROTAMETER 110432.4

*ALL SAMPLES TO BE COLLECTED IAW THE RAMP FOR THE LIBBY ASBESTOS PROJECT (EPA 03).

SEE MAP BELOW FOR LOCATIONS



Location SLC2 - ARTISTIC PRINT Date 5/28/04

Project / Client DOT / Vape

Thomas Cook

0730 - ENTER CONTAINMENT. CHRIS GARCIA WITH USCG WILL ASSIST

0830 - START

SLR2- 00347

SLR2- 00348

SLR2- 00349

SLR2- 00350

SLR2- 00351

*SEE P. 78 FOR LOCATIONS ASSIGN

SLR2- 00352 FOR BLANK TO READ.

0835 - LEAVE CONTAINMENT

1020 - REENTER CONTAINMENT

1022 - STOP & POST CALIBRATE SAMPLES ABOVE.

1029 - MOVE SAMPLES COLLECTION PUMPS FROM BINDING ROOM TO PRESS ROOM

- SEE NEXT PAGE

TARGET SHEET

EPA REGION VIII

SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1008490

SITE NAME: VERMICULITE INTERMOUNTAIN

DOCUMENT DATE: 06/01/2005

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☑ TYPES OF DOCUMENTS NOT TO BE SCANNED
  (Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX F FRANK EDWARDS BUILDING FSDS (FIELD SAMPE DATA SHEETS)

Contact the Superfund Records Center to view available document.
(303) 312-6473

Appendix G
Frank Edwards Building Logbook Entries

SLR2-003

"Rite in the Rain"

ALL-WEATHER

Environmental

FIELD BOOK

No. 550

LIBBY SISTER SITES
SALT LAKE CITY 2
FRANK EDWARDS BLDG.
REMOVAL OVERSIGHT

SLR2/Frank Edwards Building 6/3/04

DOT/Volpe

Brian Fyles

1230 Arrived on site. Spoke with ER about containment checks. They are ready for 3 containment checks on FEB.
Workers were on lunch so left site to check into hotel & change into level D.
1330 Arrived on site. Discussed with workers on containments & schedule.
1410 Entered zone to inspect containments. Upon smoke testing found that the hard offices had trouble with venting. Suggested that if they set up neg air hogs in these areas it will help. No venting just to push air through to the other areas. Additionally the exhaust on CNAFU East side of building was loosened. They had to fix.
1530 Exited boundary. Told them to fix these areas and go ahead with dirty work.
1600 Left site for day.

No further entries

SLR2/Frank Edwards building 6/4/04

Project Chief DOT/Volpe

Brian Fyles / Brian Fyles

0545 Arrived @ site
Weather: 90° today & Sunny.
Activities: (1) unloading trailers of items from artistic printing.
PPE - level d → level c → (2) wet wipe/Hepa Vac Office areas in FEB.
- calibrated pumps 666217, 626886, 666323, 612071 with Dry Cal DC-1783
- All samplings will be done IAW the RAWP for Libby Asbestos Project (EPA 03).

Sampling as follows - BP 6/4/04

0645	SLR2- 00365	NW Entry into Containment
0648	SLR2- 00366	SW Entry into Containment
0650	SLR2- 00367	East NAFU
NA	SLR2- 00368	Archive Blank
0730	SLR2- 00369	Personal 8 hr TWA

730 left site

SLR2 - Frank Edwards bld. 6/4/04

DOT/Volpe

Brian Pyles / Brian Pyles

0930 Arrival back @ site.
- Went through Artistic Printing Building. Workers still unloading trucks of inventory for building.
- Checked on FEB.

1150 lunch

1315 Back from lunch

1325 Into Containment to check progress. Worker doing well with cleaning Building, Removing ceiling tiles & carpet.

~~1500 Out of containment BP 6/4/04~~

~~1515 Collected air samples~~

1442 Collected personal Air sample TWA.

1442 SLR2-00369 FSDS# PA-000024
COC# 000077

1500 Out of containment

1515 Collected Air Samples.

1515 SLR2-00365 FSDS# SA-000106

1517 366 6 107

1521 367 COC# 000077

NA 368 FB

Brian Pyles

SLR2 / Frank Edwards bld. 6/4/04

Project Client DOT/Volpe

Brian Pyles / Brian Pyles

Past Calibrated pumps, calculated Flows, Sealed samples, Completed COC, Air bill, Samples Ready for Shipment.

Note: Did not collect Excursion personal today.

1800 left site.

Brian Pyles 6/4/04

SLR2-0003 FEB 6/7/04

~~Tles~~ DOT/Volpe

Brian Pyles / [signature]

0450 Arrived @ site.
Weather: Sunny to 80°F today.
Activities: (1) Restoration in Artistic Printing building. PPE Level D.
(2) Wet wipe/Hepa Vac in FEB. PPE Level C.
- Calibrated Pumps 602235, 666323, 666217, 626886, 612071. to 2.5 l/m with Drycal 1783.
- All sampling will be completed I/A/W RAWP for Libby Asbestos Project EPA (11/03).

Sampling as follows: BP 6/7/04

0550	SLR2- 00370	NW Entry into Containment
0552	SLR2- 00371	SW Entry into Containment
0557	SLR2- 00372	NAFU e side of building.
0545	SLR2- 00373	BP 6/7/04 Personal 8h TWA. Wet wipe/Hepa Vac

[signature] 6/7/04

SLR2-0003 FEB 6/7/04

Project Client DOT/Volpe

Brian Pyles / [signature]

0800 Break
0820 Back into containment. Workers waiting on 2 pieces of glass to complete restoration in Artistic Printing Building
1045 Lunch
1200 Back into Containment.
Linda Jonnson whom I was monitoring left site for the day. Finished sample and will run excursion on another worker. The 8hr TWA was stopped @ 1045.
1320 Started 30 min. exc. on worker
1320 BP 6/7/04 30 min Excursion
SLR2- 00374
1350 collected Sample.
Post checked personal Samples.
FSDS# PA-000025, PA-000026
COC# 000078 BP 6/7/04
Field Blank for Personal Samples
SLR2- 00375
1512 Collected air samples. Post calibrated completed COC; sealed samples. Completed paperwork. FSDS# SA-000008, COC# 000019.
1620 left site for Fexex. No further [signature] 6/7/04

Location SLR2 - Frank Edwards bld Date 6/8/[illegible]

Project / Client DOT / Volpe

[illegible] / Brian Pyles

0520 Arrived on site. Workers already dressing out for days activities.

Weather: Sunny 70°-80°F

Activities: Containment Moving: Construction

PPE = Level D

Wet Wipe / hepa vac Level C.

Heat may be a problem today. At 0600 already 70°+ F.

Calibrated Pumps 602235, 666323, 666217, 626886, 612071, to 2.5 l/m with Dry Cal 1783.

- All sampling will be collected I/A/W RAWP for Libby Asbestos Site Project EPA (11/03).

- Sampling as follows: BP 6/8/04

0540	SLR2- 00376	NW Entry into Containment
0542	SLR2- 00377	SW Entry into Containment
0546	SLR2- 00378	E side Building NAFU
0600	SLR2- 00379	8 hr TWA personal Wet Wipe / hepa vac

BP

Location SLR2 / Frank Edwards bld Date [illegible]8/04

Project / Client DOT / Volpe

[illegible] / Brian Pyles

Floyd Nichols EPA along with Darrel Strickland USCG on site today.

- Some workers were late this morning that were on travel yesterday. ER had second morn tailgate meeting.

0800 Break

0820 Back to work.

0930 Went into containment. Collected pics inside containment for removal activities. 40 ~~Sample~~ pics taken.

1025 left containment. Workers have completed removing ceiling tile, framing, computer wiring. All carpet has been removed.

1100 lunch

1210 Back to work.

1230 Containment check on South Building. Smoke test passed. They have 6-2,000 hogs in containment

- Observed insulation removal in ceiling of building. Using water + vacuum to remove insulation.

[illegible] 6/8/04

SLR2/ Frank Edwards Bldg. 6/8/04

DOT/ Volpe

Brian Pyles / [illegible]

1400 Break

1420 Back to work

1450 Started 30 min excursion sample for cleaning activity.

1450 **SLR2- 00380** BP 6/8/04 Wet wipe Hepa Vac 30 min EXC.

1520 collected sample for 30 min EXC.

1520 Collected Ambient Air Samples & Personal 8hr

1520 SLR2-00376

1523 377

1527 378

1530 379

BP 6/8/04

Post calibrated, sealed, bagged, completed COC, Prepared Samples for shipment.

1715 left site

B. Pyles 6/8/04 No Further Info

SLR2/ Frank Edwards Bldg. 6/9/04

DOT/ Volpe

Brian Pyles / [illegible]

0445 Arrived @ site

Weather 80's F. today & Sunny.

Activities: 1) Restoration Artistic Pint PPE Level D

2) Wet wipe/Hepa Vac - PPE Level C

3) Support - Level C

→ Calibrated pumps 66323, 66217, 626886, 612071, 602235. to 2.5 L/min. with DCL 1783.

→ All sampling will be completed IAW the RAWP for Libby Asbestos Project EPA (11/03).

Sampling as follows: BP 6/9/04

0615 **SLR2- 00382** NW Entry into Containment

0615 **SLR2- 00383** SW Entry into Containment

0618 **SLR2- 00384** NAFU E side of Bld.

NA **SLR2- 00385** ARCHIVE FB FSDS# SA-000110 111

BP 6/9/04

0640 **SLR2- 00386** Personal 8hr Sample Started

Location SLR2/Frank Edwards BLD Date 6/9/01
Project Client DOT/Volpe
Brian Pyles, Brian Pyles

0830 left site to have conference call.
1015 Returned to site
lunch. 1100.
Noticed personal sample had been turned off during working. Voided sample and did not run anymore. Was told to stop sampling any way so no further personal samples will be taken
1210 Back to work.
1230 into containment. Workers were setting up areas in North Building to pressure wash ceilings. Plastic was covering floor also discussed with Merrel Taylor if we could just tape plastic to floor with lip to keep from plastic being put on floor.
-Also found several areas in North Building that were damaged. Evidence from man lifts. Took photo documentation and also took several photos of Building.

Brian Pyles 6/9/01

Location SLR2/Frank Edwards Bld Date 6/9/01
Project Client DOT/Volpe
Brian Pyles / Brian Pyles

1400 left containment (Break).
1420 Back into containment. Also collected Ambient Air samples.
1420 SLR2-00382 NW Entry
1421 SLR2-00383 SW Entry
1427 SLR2-00384 NAFU E Side of Building
Ø SLR2-00385 Archive Blank
FSDS# 000110, 111
COC# 000081
Discussed with ER & showed Damage photos inside containment.
Photo log
1-53 Pics of Frank Edwards Building.
DCN 498, 499, 500, 501, 509 — Photos of Damage to N FRB Damage was caused by man lift operations.
1700 left site. Samples to Fedex &

Brian Pyles

SLR2/Frank Edwards Bld. 6/10/04

DOT/Volpe

Brian Pykes / [illegible]

0545 Arrived @ site

- Weather Rain 60°F

Activities: 1) Wet Wipe + Hepa Vac PPE-Level C

2) Support - Level d.

- calibrated Pumps # 602235, 666323, 612071, 626886, 666217, to 2.5 l/Min with DCL 1783.

- All sampling will be conducted IAW the RAWP for Libby Asbestos Site (11/03).

Sampling as follows

0620	SLR-00387	NW Entry into Containment
0620	SLR2- 00388	SW Entry into Containment
0621	SLR2- 00389	NAFU E side of Containment
0621	SLR2- 00390	Womens Clean Rm
0622	SLR2- 00391	Mens Clean Rm
Ø	SLR2- 00392	Blank (Archive

FSDS # SA-000112, 113.

[illegible] 6/10/04

SLR2/Frank Edwards Bld 6/10/04

Project Site: DOT/Volpe

Brian Pykes / [illegible]

0800 ~~Lunch~~ Break

0815 Back into containment

1100 lunch

1220 Back into containment. Found more damage inside containment. Talked with EE about it. Bad job practice + H&Safety.

1400 out of Containment. 4

Bad leak in Sky lights. Rain Coming down inside Containment. ~~Tho~~ Took photo of light.

1520 Collected Samples

1522 SLR2-00387	
1522	388
1520	389
1527	390
1527	391
NA	392 Blank

Sealed, Completed COC. Packed for Shipment.

1640 left site for Fedex

[illegible] 6/10/04

Location SLR2/Frank Edwards Bld Date 6/10/[illegible]

Project Client DOT/Volpe

Brian Pyles / [signature]

Photo log

6/10/04 Frank Edwards Bld Leaking Sky light.

1-10 Pics Leaking Skylight.

[signature] 6/10/04

Location SLR2/Frank Edwards Bld Date [illegible]/04

Project Client DOT/Volpe

Brian Pyles / [signature]

0500 Arrived of Site

Weather: Sunn to 80° Today.

Activities: 1) wet wipe/Pressure wash & Hepa Vac. PPE Level C

2. Support: Level D

- Calibrated pumps 612071, 602235, 666323, 626886, to 2.5 ml/min with Dry Cal 1783.
- All sampling will be IAW the RAWP for Libby Asbestos Project.

Sampling as follows: BP 6/11/04

0605	SLR2- 00393	NW Entrance to Containment
0606	SLR2- 00394	SW Entrance to containment
0600	SLR2- 00395	Break Room
0610	SLR2- 00396	NAFU E side of building
NA	SLR2- 00397	Archive Blank

FSDS# SA-000114.

[signature] 6/11/04

SLR2/Frank Edwards Bld Date 6/11/04
DOT/Volpe
Brian [illegible]

0800 Break
0820 Back into containment.
0830 Went into containment, workers are Pressure washing NW containment, finishing up plastic in other containments. Framing up containment walls in South Building. All seems well with removal activities.
1100 lunch
1220 back into containment
12/450 collected Air samples
1503 SLR2-00393
1503 SLR2-00394
1455 SLR2-00395
1500 SLR2-00396
[illegible] SLR2-00397
- post calibrated + packed + shipped samples
1640 left site

[illegible]
6/11/04
NO

Location SLR2/Frank Edwards Bld Date 6/14/04
Project Client DOT/Volpe
Brian Dyes/[illegible]

0800 Arrived @ site
Weather: Sunny to 80's F today
Activities (1) Wet wipe/Hepa Vac - PPE Level C
(2) Support - PPE Level D
- Calibrated pumps 602235, 666217, 666876 to 2.5 l/m with DCL 1783 Dry gas Meter.
- All sampling will be IAW the Rawp for Libby Asbestos Project EPA (11/03). Sampling as follows:

0640	SLR2- 00398	NW Containment Entrance.
0640	SLR2- 00399	SW Containment Entrance
0543	SLR2- 00400	NAFU
NA	SLR2- 00401	Blank

BP 6/14/04

FSDS# 000116
0800 Break
0815 Back into containment,
0830 Went into containment. Did walk through of work worked still pressure
[illegible]

SLR2/ Frank Edwards Blvd 6/1[illegible]
DOT/Volpe
Brian Pyles/ [illegible]

Washing North Building. Should be done today. Also workers started detailing NE Containment.

0715 Exited containment
1100 lunch
1220 Back into containment
1400 ~~Back~~ BP 6/14/04 Break
1420 Back into containment
1515 collected Air samples
1515 SLR2-00398 FSDS# SA-000116
1515 SLR2-00399 SA-000117
1512 SLR2-00400 COC# 000084
Ø SLR2-00401
post calibrated pumps. Completed COC's, sealed cassettes, packed samples for shipment
1640 Worked done for the day showered out
1710 left for Fedex. Done for the day.

[illegible] 6/14/04

SLR2/ Frank Edwards Blvd [illegible]/04
DOT/Volpe
Brian Pyles/ [illegible]

1130 Arrive @ site. Darrell Strickland of EPA (Coast Guard Strike Team) assisted in starting samples today. B. Pyles was ill and did not make it to site until 1130 hrs. Late entry for sampling.
- Pumps were calibrated to 2.5 l/m with DCL 1783.
- All sampling will be IAW the RAWP for Libby Asbestos project EPA(11/03).

Sampling as follows: BP 6/15/04

0611	SLR2- 00402	SW Entrance
0610	SLR2- 00403	NAFU East Side
0614	SLR2- 00404	SW Entrance
NA	SLR2- 00405	Blank

FSDS# 000118 000119,
COC# 000085
1320 went into containment for containment inspection. Workers were not ready for inspection yet. They still had to run exhaust hoses. BP

Location SLR2/Frank Edwards Bld Date 6/15/04
Project Client DOT/Volpe
Brian Pyles / [signature]

+ Seal up windows and a doorway. Checked on detailing in NE section of Building. Progress is good. Should Be ready tomorrow for encapp in this Area.
1400 out of containment
1420 collected samples.
1423 SLR2-00402
1420 403
1423 404
NA 405 Blank
Bagged + sealed samples. post calibrated pumps.
1500 into containment. Tested containment was working but pulling air in from another Containment. Shutoff logs to get flow right. Opened containment up until Cleaning is complete. When that area is Cleaned we will shut off area make neg air.
1530 Out of containment.
1650 left site for Fedex.

No Further entries
[signature] 6/15/04

Location SLR2/Frank Edwards Bld Date 6/16/04
Project Client DOT/Volpe
Brian Pyles / [signature]

0500 Arrived @ site.
Weather to 80°F + Sunny
Activities: (1) interior cleaning, Wet Wipe/Hepa Vac PPE-Level C
(2) Support PPE-Level D
+ Calibrated pumps 612071, 602235, 666217 to 2.5 l/m with DCL 1783 Dry Cal Meter.
+ All Sampling will be IAW the Libby asbestos project EPA (11/03).
Sampling as follows: BP 6/16/04

0610	SLR2- 00406	NW entrance into Containment.
0611	SLR2- 00407	SW entrance into Containment.
0614	SLR2- 00408	NAFU east side of building.
NA	SLR2- 00409	Archive Blank

0730 into containment to preform encapp inspection on NW containment. Found small areas to reclean. Gave them OK to encapp after lunch

SLR2/Frank Edwards Bld. 6/16
DOT/Dolpe
Brian Pyles/ [illegible]

1000 out of containment.
1100 lunch
1220 Back to work
1440 Collected Air Samples. Had to void SLR2-00407 due to sample was not in original order when set and possibly dropped or knocked over. Pump only showed little flow with pump running,
1440 SLR2-00406 FSDS# SA-000120, 121
1437 SLR2-00408 COC# 000086
NA SLR2-00409 Blank
Post calibrated with DCL 1783
Labeled & sealed samples. Packed for Shipment.
1600 left for fed ex.

[signature] 6/16/07

SLR2/[illegible]
Project Clim. DOT/[illegible]
Brian Pyles/ [illegible]

0500 Arrived @ site
Weather Overcast 80°F today
Activities: 1) Clearance sample PPE Level C
2) Wet wipe/encapp/vac PPE Level C
3) Support - PPE Level D
- Calibrated pumps for Ambient air Samples 602235, 612071, 666217 with DCL 1783 to 2.5 l/min.
- All samples will be collected IAW the RAWP for Libby Asbestos Project (11/03), Sampling as follows: BP 6/17/07

0551	**SLR2- 00410**	SW entry into Containment
0552	**SLR2- 00411**	West entry on South Building
0556	**SLR2- 00412**	NAFU east side of building.

- Prepared samples for clearance in NW containment in North Building
0700 ~~calib~~ entered Boundary to set up and calibrate pumps. NAFU for containment had broken and had to fix befor clearance was set up.

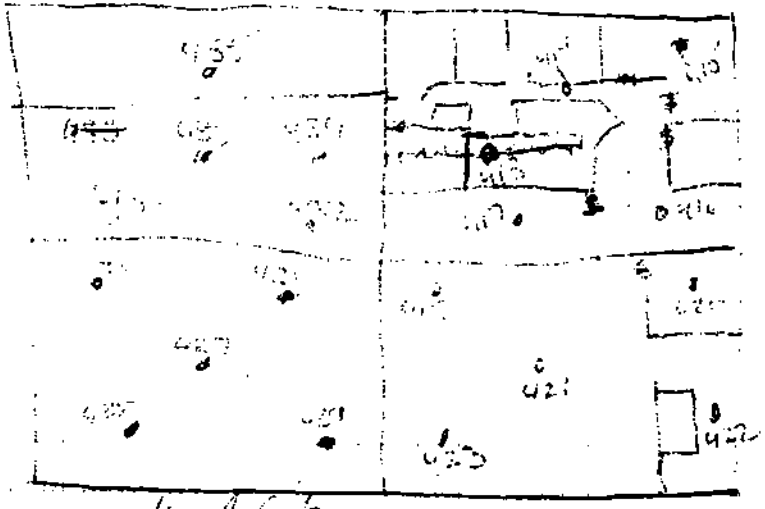
Location SLR2-0003 Date 6/7/04

Project Client DOT/Volpe

Brian Ryles / Brian Ryles

0711 Started Clearance samples

0711	SLR2- 00413	- Office area NE Containment
0714	SLR2- 00414	- Center of NE Containment
0715	SLR2- 00415	- [illegible] of NE Containment
0717	SLR2- 00416	- SE corner of NE Containment
0719	SLR2- 00417	- SW corner of NE Containment
0724	SLR2- 00418	[illegible]



Location SLR2-0003 Date 6/7/04

Project Client DOT/Volpe

Brian Ryles / [illegible]

Collected Clearance samples as follows:

0945	SLR2-00413	FSDS# SA-000123
0946	SLR2-00414	SA-000124
0947	SLR2-00415	COC# 000087
0948	SLR2-[illegible]	
0950	SLR2-[illegible]	

[illegible] of [illegible] SE corner of North Building. Samples as follows: Location on pg. 2

1156	SLR2- 00419	[illegible] of SE Containment
1158	SLR2- 00420	NE corner of SE Containment
1159	SLR2- 00421	Center of SE Containment
1203	SLR2- 00422	SE corner of SE Containment
1201	SLR2- 00423	SW corner of SE Containment

See Previous Page for sample locations

SLR2-0003 Date 6/

DOT/Volpe

Collected 2nd set of Clearance Samples from SE Containment of North Building

1448 SLR2-00419 FSDS # SA-000125
1450 00420 SA-000126
1449 00421 COC# 000088
1453 00422
1450 00423

Collected Ambient Air Samples

1514 SLR2-00410 FSDS# 000122
1515 411 COC# 000089
1517 412

Sealed all Samples, completed COC's, Calibrated (Post) all pumps. Prepared Samples for Shipment.

1650 left site to Ship Samples

No Further Samples 6/17/04

SLR2-0003 6/17/04

DOT/Volpe

~~Set~~ Brian Pyles / Low / UP

0445 Arrived @ site

Weather - Sunny to 80°F today

Activities 1) Encapping PPE-Level C
2) ~~Cleveland~~ BP 6/18/04 Cleaning/Hepa vac, Level C
3) Support Level D.

- Calibrated pump 666217 with DCC 1783 to 2.5 l/m.
- All samples collected IAW the RAWP for Libby Asbestos Project (11/03). Sample as follows: BP 6/18/04

0550 **SLR2- 00424** West entry @ South Building.

Prepared Clearance samples for North Building. SW corner Containment

0600 entered boundary. Set up pumps. Calibrated pumps. Sample locations on pg. 28. BP 6/18/04

0626 **SLR2- 00425** NW Section of SW containment

0627 **SLR2- 00426** NE Section of SW containment

0630 **SLR2- 00427** Center of SW Containment BP

Location SLR2-0003/Frank Edwards Bldg Date 6/18/04
Project Name DOT/Voice
Brian Ryles / [illegible]

0831 **SLR2- 00428** SW area of SW containment
0835 **SLR2- 00429** SE area of SW containment
[illegible] **SLR2- 00430** [illegible]

[illegible] SW containment
[illegible] SLR2-00425 FSDS# [illegible]
[illegible] SLR2-00426 [illegible]
[illegible] 427 [illegible]
[illegible] 428
[illegible] 429

1000 completed inspection of East area in South Building. Found areas to reclean. Workers almost done and gave them ok to encapp after areas are cleaned.
1010 left containment.
1100 lunch
12 Back from lunch prepared 2nd ~~conta~~ set of Clearance samples
[illegible]

Location SLR2-0003/Frank Edwards Bldg Date 6/18/04
Project Name DOT/Voice
Brian Ryles / [illegible]

1220 entered Containment, sampling as follows: Sample location see pg. 28.
1225 **SLR2- 00431** SW corner of NW containment
[illegible] **SLR2- 00432** SE corner of NW containment
[illegible] **SLR2- 00433** Center of NW containment
1227 **SLR2- 00434** NE corner of NW containment
1230 **SLR2- 00435** upstairs of NW containment.
1420 Collected Clearance samples
1420 SLR2-00431 FSDS SA-000130
1423 432 SA-000131
1427 433 COC# 000091
1430 435
1435 436
1415 Collected Ambient sample.
SLR2-00424 FSDS# SA-000127
COC# 000092
Note: When starting Clearance samples Notice Vermiculite wedged between 2 Linon used for Rafters

Location SLR2-0003/Front Edward Bld Date 6/19/04

Project Client DOT/Volpe

Brian Pyles/Bob [illegible]

Upstairs above office (kitchen). Went ahead and completed setting up samples blew down area (Craig Meyers from EPA was there and assisted). left containment to discuss situation. ER went back into containment and checked for any more areas of visible vermiculite. All we found was in that perticular area. Discussed with EPA what we found. Decided to go ahead + complete samples, get results, and decide wether to clean up depending on what we get for results. Will clean up visible but will wait until after.

1700 left for Fedex with samples

[illegible] 6/19/04

Location SLR2-0003/Front Edward Bld Date 6/19/04

Project Client DOT/Volpe

Brian Pyles/[illegible]

0900 arrived @ Site.

Weather - Sunny 90°F

Activities - Clearance sampling on South Building. PPE Level C

- All sampling will be IAW the RAWP for Libby Asbestos Site EPA (11/03).

1000 Entered Zon - Had to set up power for pumps. Had no power cords or spider box to run pumps. ~~Seep~~ BP

Sampling as follows: BP [illegible]

1040	SLR2- 00436	SE Section of East Containment in S Bld
1042	SLR2- 00437	NE Section of East Containment in S Bld
1045	SLR2- 00438	Center
1046	SLR2- 00439	NW Section
1048	SLR2- 00440	SW Section

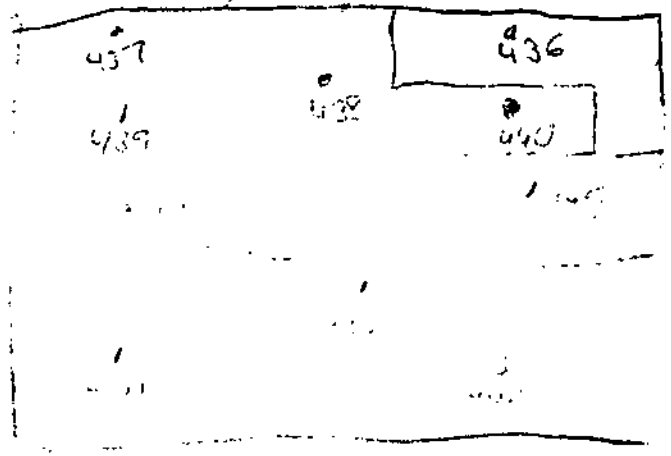
1100 left containment

[illegible]

SLR2/Frank Edwards Bld Date 6/[illegible]

Project Client DOT/Volpe

Brian Pyles / [illegible]



N

Collected 1st Clearance set

1240 SLR2-00436

1241 437

1242 438

1243 439

1244 40

Setup 2nd Set of Clearances. Samples as follows

1305 **SLR2- 00441** NW corner of west containment in S Bld

1306 **SLR2- 00442** SW corner

Location SLR2-Frank Edwards Bld Date [illegible]

Project Client DOT/Volpe

Brian Pyles / [illegible]

1308 **SLR2- 00443** Center

1309 **SLR2- 00444** NE corner

[illegible] **SLR2- 00445** SE corner

[illegible] **SLR2- 00446** [illegible]

See Pg 3 [illegible] locations.

1350 left containment,

1520 Collected 2nd set of Clearances samples.

1520 SLR2-00441 FSDS# SA 000134

1521 442 135

1522 443 COC# 000094

1523 444

1524 445

Prepared Samples for Shipment to lab

1600 left Site

No Funk [illegible] 6/19/04

SLR2/Frank Edwards Bld. 6/21/[illegible]
DOT/Volpe
Brian Pyles/ [illegible]

0600 arrived @ site
- Results for all clearance samples for the North Building are Nondetect for LA. Saturday's samples (6/19) will arrive @ Lab this morning for analysis.
- Workers are going into are- to clean up visible vermiculite found on Friday.

0900 complete clean up & started teardown of Containments.

1530 received Fax on East Side of South Building Results. All Nondetect for LA.

1600 Received info that last set of Clearance from S building [illegible] containments [illegible]. There are [illegible] in SLR2 [illegible] will encapp and resample tomorrow.

[illegible]

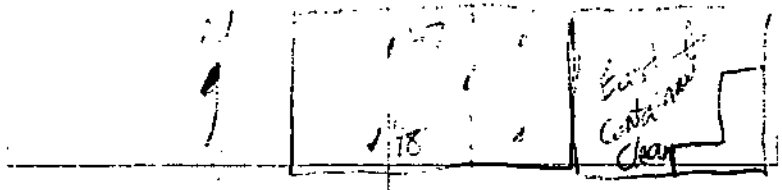
[illegible]

0900 Arrived on site
LR to continue Tearing down Containment & re encapping South Building Containment that failed Clearance.

0930 ER Completed encapping

1200 Extend Containment Set up pumps Sampling as follows:

1230	SLR2- 00447	NW corner of West Containment @ South Bld
231	SLR2- 00448	SW
[illegible]	SLR2- 00449	Center
[illegible]	SLR2- 00450	SE
[illegible]	SLR2- 00451	NE
[illegible]	SLR2- 00452	Blank



Appendix H
UP&L Switch House FSDS

Sheet No.: SA- 138

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR04 Page No: 12 Sampling Date: 8/11/04

Address: ~~100S~~ 147S 400W Owner/Tenant: PACIFICORP

Business Name: 3RD WEST SUBSTATION

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

Sampling Team: MACTEC (CDM) Other _____ Names: TOMMY COOK / ANDREW GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00453	SLR2- 00454	SLR2- 00455
Location ID	NA	NA	NA
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description	Decon entrance - North side of perimeter	NAFU - middle unit West side perimeter	NAFU - south unit West side perimeter
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	(FS) ~~FB-(field blank)~~ LB-(lot blank) AG 8/11/04
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor (Outdoor) ~~NA~~ AG 8/11/04
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 (DryCal) NA	Rotometer (DryCal) NA	Rotometer (DryCal) ~~NA~~ AG 8/11/04
Pump ID Number	666536	691378	~~NA~~ ~~6913~~ 6216879 AG 8/11/04
Flow Meter ID No.	AG 8/11/04 103349	103349	103349
Start Date	8/11/04	8/11/04	8/11/04
Start Time	0842 ~~1556~~ AG 8/11/04	0842	0841
Start Flow (L/min)	3.02	3.09	3.04
Stop Date	8/11/04	8/11/04 AG 8/11/04	8/11/04
Stop Time	1556 AG 8/11/04	1600	1600
Stop Flow (L/min)	3.00	3.04	~~2.92~~ NA AG 8/11/04
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	(No) Yes ~~NA~~ AG 8/11/04
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes ~~NA~~ AG 8/11/04
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	(Pre) Post Clear 2nd Clear 3rd Clear NA	(Pre) Post Clear 2nd Clear 3rd Clear ~~NA~~ AG 8/11/04
Field Comments Cassette Lot Number: _____	TOTAL MIN: 434 AVG FLOW: 3.01 TOTAL VOL: 1306 Archive Blank (circle): Yes (No)	TOTAL MIN: 438 AVG FLOW: 3.07 TOTAL VOL: 1345 Archive Blank (circle): Yes (No)	TOTAL MIN: 439 AVG FLOW: 2.98 TOTAL VOL: 1308 AG 8/11/04 Archive Blank (circle): Yes (No)
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

For Field Team Completion (Provide Initials)	Completed by AG	QC by [signature]

vs 101503

Sheet No.: SA- 139

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR04 Page No: 12 Sampling Date: 8/11/04

Address: 147 S 400W Owner/Tenant: PACIFICORP

Business Name: 3RD W SUBSTATION

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Tommy Cook / ANDREW GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00456 8/11/04		
Location ID	NA		
Sample Group	BLANK		
Location Description	BLANK		
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number			
Flow Meter ID No.		08/11/04	
Start Date			
Start Time			
Start Flow (L/min)			
Stop Date			
Stop Time			
Stop Flow (L/min)			
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: AVG FLOW: NA TOTAL VOL: Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: NA TOTAL VOL: Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: NA TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 140

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 14 Sampling Date: 8/12/04

Address: 147 S. 400 W. Owner/Tenant: PACIFICORP

Business Name: 3RD WEST SUBSTATION

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

Sampling Team: MACTEC (CDM) Other _____ Names: TOMMY COOK / ANDREW GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00457 AG 8/12/04	SLR2- 00458 AG 8/12/04	SLR2- 00459 AG 8/12/04
Location ID	NA	NA	NA
Sample Group	PROPERTY	PROPERTY	BLANK
Location Description	DELON ENTRANCE - N. SIDE OF PERIMETER	BETWEEN MIDDLE + SOUTH NAFU UNITS ON WEST SIDE PERIMETER	BLANK
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor Outdoor (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) DryCal NA	(Rotometer) DryCal NA	Rotometer DryCal (NA)
Pump ID Number	666536	691378	
Flow Meter ID No.	110432-4	110432-4	
Start Date	8/12/04	8/12/04	
Start Time	0710	0712	
Start Flow (L/min)	3.05	3.05	
Stop Date	8/12/04	8/12/04	8/12/04
Stop Time	1536	1535	
Stop Flow (L/min)	3.05	3.05	
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes (NA)
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes (NA)
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 506 AVG FLOW: 3.05 TOTAL VOL: 1543 Archive Blank (circle): Yes (No)	TOTAL MIN: 503 AVG FLOW: 3.05 TOTAL VOL: 1534 Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: NA TOTAL VOL: Archive Blank (circle): Yes (No)
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by AG	QC by [illegible]

vs 101503

Sheet No.: SA-141

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 16 Sampling Date: 08/13/04

Address: 147 S. 400 W. Owner/Tenant: PACIFICORP

Business Name: 3RD WEST SUBSTATION

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

Sampling Team: MACTEC (CDM) Other _____ Names: TOMMY COOK / ANDREW GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00460 AG 8/13/04	SLR2- 00461 AG 8/13/04	SLR2- 00462 AG 8/13/04
Location ID	NA	NA	NA
Sample Group	PROPERTY	PROPERTY	AG 8/13/04 BLANK ~~PROPERTY~~
Location Description	DELON ENTRANCE - N. SIDE OF PERIMETER	BETWEEN MIDDLE + SOUTH NAFU's ON WEST SIDE PERIMETER.	BLANK
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor Outdoor (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) DryCal NA	(Rotometer) DryCal NA	Rotometer DryCal (NA)
Pump ID Number	666536	691378	
Flow Meter ID No.	110432-4	110432-4	
Start Date	8/13/04 AG 8/13/04	8/13/04 AG 8/13/04	AG 8/13/04
Start Time	0648	0649	
Start Flow (L/min)	3.05	3.05	
Stop Date	8/13/04 AG 8/13/04	8/13/04 AG 8/13/04	
Stop Time	1529	1530	
Stop Flow (L/min)	3.05	2.94	
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes (NA)
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes (NA)
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments	TOTAL MIN: ~~520~~ 521 AG 8/13/04 AVG FLOW: 3.05 TOTAL VOL: 1589	TOTAL MIN: ~~520~~ 521 AG 8/13/04 AVG FLOW: 3.00 TOTAL VOL: 1563	TOTAL MIN: BLANK AVG FLOW: 0 TOTAL VOL: 0
Cassette Lot Number: _____	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)	Archive Blank (circle): Yes (No)
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by AG	QC by [illegible]

vs 101503

Sheet No.: SA- 142

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 18 Sampling Date: 8/16/04

Address: 147 S 400W Owner/Tenant: Pacific corp

Business Name: 3rd West Sub Station

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other - Names: Brian Pyles

Data Item	Cassette 1 BP 8/16/04	Cassette 2 BP 8/16/04	Cassette 3 BP 8/16/04
Index ID	SLR2- 00463	SLR2- 00464	SLR2- 00465
Location ID	NA	NA	NA
Sample Group	Property	Property	Blank
Location Description	Decon Entrance- N. Side of Perimeter	Between Middle + south NAFU's on West Side Perimeter	Blank
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	666 536	691378	
Flow Meter ID No.	~~110432-4~~ 103349	~~110432-4~~ 103349	
Start Date	8/16/04	8/16/04	
Start Time	0710	0712	
Start Flow (L/min)	3.08	3.06	
Stop Date			
Stop Time	1518	1518	
Stop Flow (L/min)	3.08	3.06	
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 488 AVG FLOW: 3.08 TOTAL VOL: 1,503 L	TOTAL MIN: 486 AVG FLOW: 3.07 TOTAL VOL: 1,492 L	TOTAL MIN: AVG FLOW: TOTAL VOL: Blank
Cassette Lot Number: 7842	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

Sheet No.: SA- 143

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 21 Sampling Date: 8/17/04

Address: 1475 400W Owner/Tenant: Pacificorp

Business Name: 3rd West SubStation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Brian Ryles

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00466	SLR2- 00467	SLR2- 00468
Location ID	NA	NA	NA
Sample Group	Property	Property	Property
Location Description	South of SLR2-00467 See logbook pg.21	North end of Basement See logbook pg.21	South end of Basement See logbook pg.21
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	R+R pump	R+R pump	R+R pump
Flow Meter ID No.	110432-4	110432-4	110432-4
Start Date	8/17/04	8/17/04	8/17/04
Start Time	1110	1110	1110
Start Flow (L/min)	9.9	9.9	9.9
Stop Date	8/17/04	8/17/04	8/17/04
Stop Time	1325	1325	1325
Stop Flow (L/min)	9.9	9.9	9.9
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 135 min AVG FLOW: 9.9 TOTAL VOL: 1336 L	TOTAL MIN: 135 min AVG FLOW: 9.9 TOTAL VOL: 1336 L	TOTAL MIN: 135 min AVG FLOW: 9.9 TOTAL VOL: 1336 L
Cassette Lot Number:	7842		
	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

Sheet No.: SA- 144

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 21 Sampling Date: 8/17/04

Address: 1475 400W (Owner) Tenant: Pacificorp

Business Name: 3rd West Substation

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

Sampling Team: MACTEC (CDM) Other _____ Names: Brian Pyles

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00469	SLR2- 00470	SLR2- 00471
Location ID	NA	NA	NA
Sample Group	Property	Property	~~Property~~ Blank
Location Description	South of SLR2-00470 See logbook pg. 21	Center of Basement See logbook pg. 21	Blank
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)
Matrix Type (circle)	(Indoor) Outdoor NA	(Indoor) Outdoor NA	Indoor Outdoor (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) DryCal NA	(Rotometer) DryCal NA	Rotometer DryCal (NA)
Pump ID Number	R+R Pump	R+R Pump	
Flow Meter ID No.	110432-4	110432-4	
Start Date	8/17/04	8/17/04	
Start Time	1110	1110	
Start Flow (L/min)	9.9	9.9	
Stop Date	8/17/04	8/17/04	
Stop Time	1325	1325	
Stop Flow (L/min)	9.9	9.6	
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes (NA)
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes (NA)
Sample Type	Pre Post (Clear) 2nd Clear 3rd Clear NA	Pre Post (Clear) 2nd Clear 3rd Clear NA	Pre Post (Clear) 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 135 min AVG FLOW: 9.9 TOTAL VOL: 1336 L	TOTAL MIN: 135 min AVG FLOW: 9.9 TOTAL VOL: 1336 L	TOTAL MIN: AVG FLOW: TOTAL VOL: Blank
Cassette Lot Number: 7842	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes (No)
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 145

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 23 Sampling Date: 8/18/04

Address: 1475 400W Owner/Tenant: Pacificorp

Business Name: 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Brian Ryles

Data Item	Cassette 1 BP 8/18/04	Cassette 2 BP 8/18/04	Cassette 3 BP 8/18/04
Index ID	SLR2- 00472	SLR2- 00473	SLR2- 00474
Location ID	NA	NA	NA
Sample Group	Property	Property	~~Property~~ Blank
Location Description	South side of Building by NAFU	Entrance to control Room (North)	Blank
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	666536	691378	
Flow Meter ID No.	103349	103349	
Start Date	~~8/16/04~~ 8/18/04 AG	~~8/16/04~~ 8/18/04 AG	
Start Time	0705	0710	
Start Flow (L/min)	3.05	3.06	
Stop Date	8/18/04 AG ~~8/16/04~~ BP 8/18/04	~~8/16/04~~ 8/18/04 AG BP 8/18/04	BP 8/18/04
Stop Time	1512	1518	
Stop Flow (L/min)	3.06	3.06	
Pump fault? (circle)	No Yes NA	No Yes NA BP 8/18/04	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 487 AVG FLOW: ~~2.255~~ 3.055 TOTAL VOL: 1,488 L	TOTAL MIN: 480 AVG FLOW: 3.06 TOTAL VOL: 1,469L	TOTAL MIN: AVG FLOW: TOTAL VOL: Blank
Cassette Lot Number: 7842	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA-146

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 26 Sampling Date: 8/19/04

Address: 1475 400W Owner/Tenant: Pac. Corp

Business Name: 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Brian Ryks

Data Item	Cassette 1 BP 8/19/04	Cassette 2 BP 8/19/04	Cassette 3 BP 8/19/04
Index ID	SLR2- 00475	SLR2- 00476	SLR2- 00477
Location ID	NA	NA	NA
Sample Group	Property	Property	Property
Location Description	See logbook Pg. 27	See logbook Pg. 27	See logbook Pg. 27
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	R&R Pump	R&R Pump	R&R Pump
Flow Meter ID No.	110432-4	110432-4	110432-4
Start Date	8/19/04	8/19/04	8/19/04
Start Time	1125	1125	1125
Start Flow (L/min)	9.9	9.9	9.9
Stop Date	8/19/04 BP 8/19/04	8/19/04 BP 8/19/04	8/19/04 BP 8/19/04
Stop Time	1342	1342	1342
Stop Flow (L/min)	~~1342~~ 9.9 BP 8/19/04	9.9	9.9
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 137 AVG FLOW: 9.9 TOTAL VOL: 1356	TOTAL MIN: 137 AVG FLOW: 9.9 TOTAL VOL: 1356	TOTAL MIN: 137 AVG FLOW: 9.9 TOTAL VOL: 1356
Cassette Lot Number: 7842	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

Sheet No.: SA-147

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 26 Sampling Date: 8/19/04

Address: 147 S 400W Owner/Tenant: Pacificorp

Business Name: 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Brian Ryles

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00478	SLR2- 00479	SLR2- 00480
Location ID	NA	NA	NA
Sample Group	Property	Property	Blank
Location Description	See logbook Pg. 27	See logbook Pg. 27	
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	R&R Pump	R&R	
Flow Meter ID No.	110432-4	110432-4	
Start Date	8/19/04	8/19/04	
Start Time	1125	1125	
Start Flow (L/min)	9.9	9.9	
Stop Date	8/19/04	8/19/04	
Stop Time	1342	1342	
Stop Flow (L/min)	9.9	9.9	
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 137 AVG FLOW: 9.9 TOTAL VOL: 1356	TOTAL MIN: 137 AVG FLOW: 9.9 TOTAL VOL: 1356	TOTAL MIN: AVG FLOW: TOTAL VOL: Blank
Cassette Lot Number:	7842		
Archive Blank (circle):	Yes No	Yes No	Yes No
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

Appendix I
UP&L Switch House Field Logbook Entries

CDM

Location SLC 2/UPL SIT Date 08/09/04

Project / Client DOT

A. GORDON 8/9/04 AG
08/09/04 8/9/04 AG
Oversight activities for Removal activities at Salt Lake City Libby Sister Site.
Final Draft Response Action Work Plan - Libby Asbestos Project 11/2003 8/9/04 AG
0800 T. Cook and A. Gordon attend site specific H+S meeting 8/9/04 AG
0900 Arrive @ site for tour of facilities and work conditions. Due to being an active electrical substation there are substantial H+S risks greater than that of normal asbestos removal site, i.e. high voltage. Work areas are clearly designated with caution tape and painted boundaries, by onsite electrical expert. All health + safety issues covered in depth by removal coordinator. 8/9/04 AG
1100 Depart work site to return to hotel. Meeting with all parties to discuss plan of action and details for asbestos clean up in control/switch house, upper and lower floors. 8/9/04 AG
1345 Return to work site. Examine
8/9/04

Location Date 08/09/04 cont.

Project / Client

perimeter of building to be cleaned and grounds in general. Construction of decon areas has begun. T. Cook and myself observe visible vermiculite on ground across entire site. This issue is brought to the attention of PRP oversight/sampling team and EPA. Recommend laying down poly sheets w/ particle board on top to create designated walkway. This coupled w/ dust suppression should be sufficient to reduce risk of any contamination due to visible vermiculite.
1600 Depart work site to return to hotel

08/09/04
ANDY GORDON

Location SLC 2/UPGBH Date 08/10/04

Project / Client DOT

A. GORDON ~~8/10/04~~ AG
08/10/04 ~~8/10/04~~ AG
Oversight of Asbestos Removal Activities
@ SLC Libby Sister Site. ~~8/10/04~~ AG
RAWP Final Libby Asbestos 11/2003
0600 Arrive on site w/T. Cook. Daily toolbox mtg w/removal work crew. Construction of recommended walkway will be completed today. Also, rec'd. copy of Response Action Sampling + Analysis Plan for this site from designated PRP oversight (R + R Environmental).
1045 Depart site to pickup/unpack Sampling materials FedEx'd from Denver. ~~8/10/04~~ AG
1230 Return to site w/T. Cook. Review Summary Addendum Rpt. for SLC2 11/2003. Enter site several times - inspecting decon area construction and NAFU's.
1415 Depart site w/T. Cook and R+R representative to local analysis lab.
1600 Return to site - work completed for day. Depart w/T. Cook back to hotel.

ANDY GORDON 08/10/04

Location

Date 8/10/04 cont.

Project / Client

* Late entry - Upon returning from trip to analysis lab it was noted that R+R rep allowed personal air monitor from Thermal West to continue running after shift had ended. Low vol pump was found in back of pickup, uncapped, outside worksite. When R+R rep was asked about this she informed us that it was standard sampling procedure for them.

ANDY GORDON 8/10/04

Location SLC2 - UPLSH Date 08/11/04

Project / Client DOT

A. Gordon — 8/11/04 — AG

08/11/04 — 8/11/04 — AG

Oversight of Asbestos Removal Activities. RAWP Final - Libby Asbestos 11/2003

0600 Arrive @ worksite w/ T. Cook. Proceed w/ daily toolbox mtg. Other items discussed include need for onsite daily schedule at least two weeks out and posted emergency #'s and procedures/hospital locations. Removal work in lower level of the control house will begin today after containment check. — 8/11/04 — AG

1800 Calibrate the following low vol pumps: 666536, 691378, 626879 to ≈ 3.0 L/min. Set up stands @ sampling locations on perimeter of site.

0840 Start pumps for perimeter monitor.

1030 Mtg. w/ R+R, P. Kuda, F. Nichols re: schedule + site operations. — 8/11/04 — AG

1045 Inform C. Jung (R+R) of pump faults (2 of 3) which were setup side by side w/ours. — 8/11/04 — AG

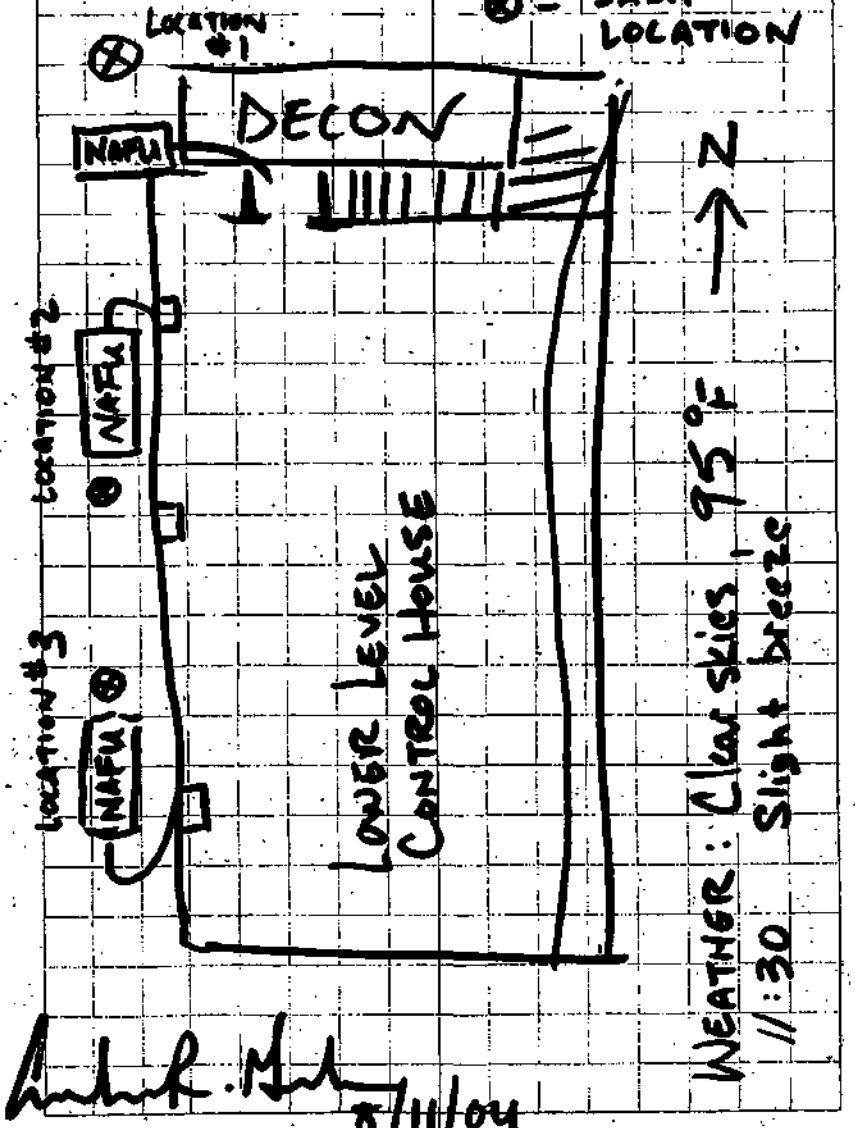
8/11/04

Location

Date 8/11/04 cont.

Project / Client

MAP OF PERIMETER AIR SAMPLING:



8/11/04

Location _____ Date 8/11/04 cont.

Project / Client _____

Created following samples for perimeter air monitoring:

SLR2- 00453
AG 8/11/04

SLR2- 00454
AG 8/11/04

SLR2- 00455
AG 8/11/04

See FSDS # SA-138

1245 Depart site for lunch ~~8/11/04 AG~~

1320 Return to site - continue overseeing removal and inspecting decon'd items. ~~8/11/04~~ AG

1345 Enter containment area to observe cleanup progress and work area. Hoses to NAFU's connecting to windows only (on west side of building - see map on previous page) and NAFU hose connecting through decon area only to main entrance. Setup described has possibility of creating counter drafts between NAFU. Upgraded to appropriate level C PPE before entering. ~~8/11/04~~ AG

Created blank SLR2- 00456 on FSDS #SA-139.
AG 8/11/04

~~8/11/04~~

Location _____ Date 8/11/04 cont.

Project / Client _____

1600 Stop perimeter samples for today and finish FSDS's. Please refer to FSDS # SA-138, 139 for further details. Samples SLR2-00453 thru 456 sent to Reservoirs on ~~Fed~~ ~~8/11/04~~ COC # ~~8/11/04~~ 00099 and FedEx airbill #821266776448. ~~8/11/04 AG~~

1655 Depart site for the day

ANDY GORDON 8/11/04

Location SLR2 / UPL SIT Date 08/12/04

Project / Client D&T

Clear skies, sunny w/slight breeze.

A. GORDON ~~8/12/04~~ AG

08/12/04 ~~8/12/04~~ AG

Oversight of Asbestos Removal Activities

RAWP Final Libby Asbestos 11/2003

0615 Arrive @ site w/T. Cook. Daily toolbox mtg. ~~8/12/04~~ AG

0630 Create following:

BETWEEN LOCATION 2+3
SLR2- 00458
AG 8/12/04

DEFON ENTRANCE
SLR2- 00457
AG 8/12/04

FB
SLR2- 00459
AG 8/12/04

~~8/12/04~~ AG

On FSDS# SA-140.

Calibrate pump #666536 and 691378 to 3.05 L/min. ~~8/12/04~~ AG

0710 Start pump 666536 w/air samp SLR2-00457 @ 0710 ~~8/12/04~~ AG

0712 Start pump 691378 w/air samp SLR2-00458 @ 0712. ~~8/12/04~~ AG

0720 Continue inspecting cleaned items taken from containment area and monitoring perimeter pumps. ~~8/12/04~~ AG

0745 Spoke w/Thermal West team leaders - due to scheduling changes

Andy R. Gordon 8/12/04

Location Date 8/12/04

Project / Client cont.

clean up of site will continue full time next week (Mon.-Thurs., 10 HRS/DAY) with Friday optional depending on progress. ~~8/12/04~~ AG

1215 Depart site w/T. Cook for lunch.

1300 Return to site. Continue monitor of removal + air sampling. ~~8/12/04~~ AG

1330 T. Cooks informs C. Jung (R+R) that 1 of 2 R+R perimeter pumps has faulted. ~~8/12/04~~ AG

1536 Stopped pump # 666536, sample SLR2-00457. ~~8/12/04~~ AG

1535 Stopped pump # 691378, sample SLR2-00458. ~~8/12/04~~ AG

1540 Post calibrate pumps and complete FSDS# SA-140. Create COC # 000097 to be QC'd by T. Cook. Above samples sent to Res on FedEx airbill # 8479 2476 0820 ~~8/12/04~~ AG

1610 Depart worksite for the day.

Andy R. Gordon 8/12/04

ANDY GORDON

Location SLC2 - UPLSH Date 08/13/04

Project / Client DOT

Clear skies, sunny + slight breeze.

A. GORDON ~~8/13/04~~ AG

08/13/04 ~~8/13/04~~ AG.

Oversight of Asbestos Removal Activities RAWP Final Libby Asbestos 11/2003

0600 Arrive @ site. Attend daily toolbox mtg. ~~8/13/04~~ AG

0625 Create the following:

DELON ENTRANCE	BETWEEN LOCATION 2 + 3
SLR2- 00460 AG 8/13/04	SLR2- 00461 AG 8/13/04
FB SLR2- 00462 AG 8/13/04	On FSDS# SA-1411 Also calibrate pumps 666536 + 691378

0648 Start pump 666536, sample SLR2-00460. ~~8/13/04~~ AG

*Note: Pumps calibrated to 3.05 L/min.

0649 Start pump 691378, sample SLR2-00461 ~~8/13/04~~ AG

0700 Continue inspecting cleaned items from containment and monitoring perimeter pumps air sampling. For more details regarding air sample locations see map on page 11, this logbook. ~~8/13/04~~ AG

Andrew R. Gordon 8/13/04

Location Date 08/13/04

Project / Client cont.

1130 Depart site w/T. Cook for lunch.

1230 Return to site. Removal continuing.

1330 T. Cook enters containment area w/appropriate level C PPE to inspect progress.

1529 Stop pump #666536, air sample SLR2-00460 ~~8/13/04~~ AG

1530 Stop pump #691378, air sample SLR2-00461. ~~8/13/04~~ AG

1600 Post calibrate both pumps:

#666536: 3.05 L/min.

#691378: 2.74 L/min. AG 8/13/04

Create COC #000098 for today's samples to be sent to Res on FedEx airbill #847924760831. T. Cook QC'd FSDS# SA-1411 and COC #98. ~~8/13/04~~ AG

1615 Depart site w/T. Cook.

Andrew R. Gordon 8/13/04

ANDY GORDON

Location SLC2-UPLSH Date 8/16/04

Project / Client DOT / Volpe COM - Brian Pyles

Pacific Corp 3rd West Substation

Weather: clear skies 66°F

Activities: Wet Wipe + Hepa Vac of items and Final Wipe down of Basement Containment of substation

PPE: Level C for Cleaning
Level D for Support and containment setup.

Gov. Doc - Final Draft RAWP for Libby Asbestos Project

0345 Arrived @ site.

0600 Tailgate Safety Meeting

0630 Calibrated Pumps 666536 + 691378 to 3.0 L/min with DC Lite #103349.

Sampling as follows: BP 8/16/04

0710	SLR2- 00463	Decon Entrance N. Side of Perimeter
0712	SLR2- 00464	Between middle + South NAFU's on west side Perimeter
N.A. Blank	SLR2- 00465	Blank

1200 Lunch

1310 Back into containment. Workers have completed cleaning items and started wipe down in containment.

Location SLC2-UPLSH Date 8/16/04

Project / Client DOT/Volpe COM - Brian Pyles

Pacific Corp 3rd West Substation

1330 Went into upstairs of substation to check out on setting up containment. - The back of breaker panel is open to all circuits and is going to be extremely difficult to clean. Contractors say that they are going to use compressed air to clean off circuits. It is going to be difficult to clear area as Nondetect for asbestos. With the circuits all open with 125 Amps DC minimum. Very dangerous work. Expressed concerned in this area. Called Paul Kudarauskas (Volpe) and expressed concerns. Said they discussed previous and going ahead with plans.

1518 Collected SLR2-00463 + SLR2-00464. Postcalibrated pumps. Calculated flows. Prepared samples for lab. Gave to R+R to ship to Resources Env. COC# 000100

1620 Left site.

BP 8/16/04 No Further Entries

Location SLC2-UPLSH Date 8/17/04

Project / Client DOT/Volpe COM-Brian Ryles

PacifiCorp 3rd West Substation

Weather: Rain 60°F

Activities: Encapping Basement, Clearance Sampling + Building containment.

PPE: Level C Encapping + Clearance
Level D Building Containment.

Gov. Doc - Final Draft RAWP for Libby Asbestos Project

0600 Arrived @ site. Morning Tailgate Meeting.

0645 Containment inspection for encapping. Area had some dust but was unpainted concrete and also old + brittle. While doing inspection noticed vermiculite in some mortar patching that has been done previous. Suggested to workers to encapp 2 coats with encapp. Left some heavy wooden boxes in Room but will encap them as well. Also there was some lead piping left in basement. Gave them OK after a few minor cleanups and workers started encapping.

0740 Completed encapping of basement.

BJP 8/17/04

Location SLC2-UPLSH Date 8/17/04

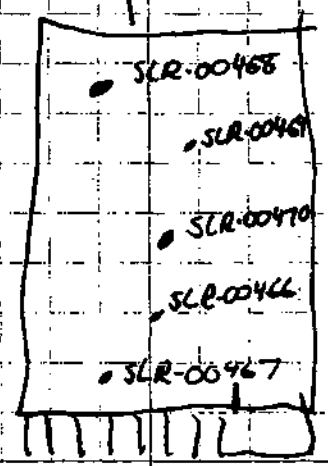
Project / Client DOT/Volpe COM-Brian Ryles

PacifiCorp 3rd West Substation

Prepared for clearance samples in basement sampling as follows:

1110

SLR2- 00466	South of SLR2-00466
SLR2- 00467	Northwest of basement
SLR2- 00468	South end of Basement
SLR2- 00469	BJP 8/17/04 South of SLR2-00470
SLR2- 00470	Center of Basement
SLR2- 00471	Blank.



BJP 8/17/04

Location SLC2-UPLSH Date 8/17/04

Project / Client 1475 400W CDM-Brian Pyles

3rd West Substation

1000 Meeting with Pacificorp, EPA, Champion etc. Discussing Soil Removals.

1325 Collected clearance Samples from Basements. Post calibrated samples & prepared Samples for Shipments

1600 lift site for Fedex.

Brian Pyles 8/17/04

Location SLC2-UPLSH Date 8/18/04

Project / Client 1475 S 400W CDM Brian Pyles

3rd West Substation

Weather: overcast 60° to 70° today

Activities: Wet wipe & Hepa vac control Room & Battery Room.

PPE: Level C

Gov. Doc. Final Draft RAWP for Libby asbestos site.

0600 Arrived @ site. Tailgate Safety meeting - workers have found trap door in battery Room for crawlspace. Had discussion on what to do with room. Will get with CDM & Volpe to discuss options.

0730 Received call from Kuda (Volpe) about 1 structure found on Perimeter sample. Discussed engineering controls to fix possible problems. Also discussed situation of crawlspace.

0820 Went into containment and inspected crawlspace. Found vermiculite in soils in crawlspace.

0840 exited crawlspace. Call Jeff Montero and informed him what I saw.

- Discussed with PacifiCorp and they want to seal up hole & cut in from outside building. BD

Location SLC2-UPLSH Date 8/18/04

Project / Client ~~[illegible]~~ DOT/Volpe CDM-Brian Pyles

3rd West Substation

- Jeff Montoya called back to discuss & Kuda also called. Conferenced in and discussed what pacificorp wants to do and all agreed.

LATE ENTRY Air sampling data for 8hr Air Ambient monitoring.

0710 BP SLR2- 00472 - South Side of Building by NAFU

8/17/04 SLR2- 00473 - Entrance to Control Room (North)

SLR2- 00474 Blank

1200 lunch

1320 Back at Site.

- Workers have completed all of bulk cleaning. Dust still evident in air. Since we cannot encapp this Room workers have continued this blow down & vacume rest of day. Will let room scrub all night and see tomorrow morning.

1500 Collected Samples.

Sample on South side of Building By NAFU Was laying on ground

Location SLC2-UPLSH Date 8/19/04

Project / Client DOT/Volpe CDM-Brian Pyles

3rd West Substation

SLR2-00472. Prepared Samples for Shipment.

1600 left Site

[signature] 8/17/04

Location SLC2-UPLSH Date 8/19/04

Project / Client DOT/Volpe COM-Brian Pyles

3rd West Substation

Weather: Overcast 66°F

Activities: Cleanup + Clearance samples.

PPE: Level D for Cleanup

Level C for clearance

Gov Doc: Final Draft RAWP for Libby Asbestos Project.

0600 Arrived @ site. Morning tailgate meeting.

- went into containment and notice negative air units were off. Apparently tripped breaker was the cause. Turned units back on and waiting to let area scrube before sample collection.

1100 Set up for Clearance Sampling

1125

SLR2- 00475

SLR2- 00476

SLR2- 00477

SLR2- 00478

SLR2- 00479

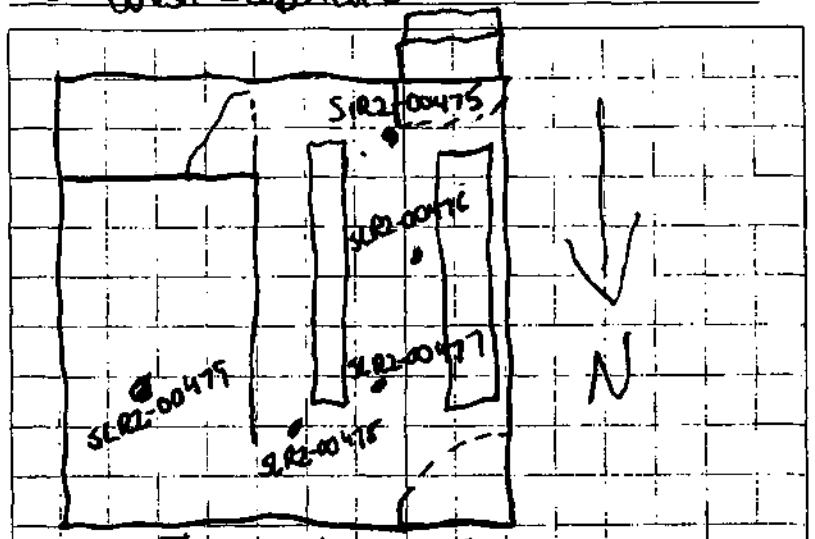
SLR2- 00480

See map next page

Location SLC2-UPLSH Date 8/19/04

Project / Client DOT/Volpe COM-Brian Pyles

3rd West Substation



FSDS# SA-146 + 147

COC# 000103

1342 Collected Samples. Post calibrated, prepared for shipping.

1600 left Site.

No Further entries 8/19/04

Appendix J
UP&L Yard FSDS

Sheet No.: S- 000014

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 36 Sampling Date: 9/10/04

Address: ~~3rd West Substation~~ 1475 900 W BP 9/10/04 Owner: PacifiCorp

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

Sampling Team: (circle) (CDM) PES Other _____ Names: Brian Riles

Data Item	Sample 1 BP 9/10/04	Sample 2	Sample 3
Index ID	**SLR2- 00481**		
Location ID	NA		
Sample Group	Property		
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	(FS) FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1020		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	See Site Map & Logbook		
Field Comments	Sample collected after 4" excavation. No visible vermiculite.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BP 9/10/04

vs 021302

Sheet No.: S- 00015

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 41 Sampling Date: 9/14/04

Address: 1475 400 W Owner: PACIFICORP

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

Sampling Team: (circle) CDM PES Other _____ Names: ANDY GORDON

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00484 AG 9/14/04		
Location ID	NA		
Sample Group	PROPERTY		
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	FS FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time			
Top Depth (in.)			
Bottom Depth (in.)			
Map Location	SEE LOGBOOK #SLR-04 PG. 41		
Field Comments	SAMPLES COLLECTED AFTER		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

VOID AG 9/17/04

vs 021302

Sheet No.: S- 000016

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 50 Sampling Date: 9/17/04

Address: 1475 400 W. Owner: PACIFICORP

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

Sampling Team: (circle) CDM PES Other _____ Names: ANDY GORDON

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00487 AG, 9/17/04		
Location ID	NA		
Sample Group	PROPERTY		
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Ca[illegible] (circle)	FS FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1200		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	SEE LOGBOOK # SLR-04 PG. 50		
Field Comments	SAMPLE TAKEN AS FINAL CLEARANCE FOR N. SIDE PARKING LOT. (ADDITIONAL 6" EXCAVATED, NO VISIBLE VERMICULITE.)		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

9/17/04

vs 021302

Sheet No.: S- 000017

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 70 Sampling Date: 10/6/04

Address: 1475 400(W) Owner: Pacificorp

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

Sampling Team: (circle) (CDM) PES Other _____ Names: Brian Pyles

BP 10/6/04

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00494		
Location ID	NA		
Sample Group	Property		
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	(FS) FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1140		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	See logbook Pg 71		
Field Comments	Sample Collected after approx 5 ft. excavation. Vermiculite still visible.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BP 10/6/04

vs 021302

Sheet No.: S-000018

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 74 Sampling Date: 10/11/04

Address: 1475 400 W. Owner: PACIFICORP

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

Sampling Team: (circle) (CDM) PES Other _____ Names: ANDY GORDON

Data Item	Sample 1	Sample 2	Sample 3
ndex ID	SLR2- 00497 AG 10/11/04		
Location ID			
Sample Group			
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Ca[illegible]y (circle)	(FS) FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp. # subsamples 5)	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1530		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	SEE LOGBOOK #SLR-04 PG. 74		
Field Comments	Sample collected after approx. 3' excavated. Visible vermiculite still present.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

10/11/04

vs 021302

Sheet No.: S- 000019

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 94 Sampling Date: 10/27/04

Address: 147 S 400 W Owner: Pacificorp

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

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

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00502		
Location ID	NA		
Sample Group	Property		
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	(FS) FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1610		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	See logbook p. 94		
Field Comments			
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Bob Tolford 10-27-04

vs 021302

Sheet No.: S- 000020

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 108 Sampling Date: 11/9/04

Address: 1475 400W Owner: Pacif. corp

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

Sampling Team: (circle) (CDM) PES Other _____ Names: Todd Burgesser

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00506 TB 11/9/04		
Location ID	NA		
Sample Group	Property		
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Ca[illegible]y (circle)	(FS) FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1415		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	See logbook SLR-04 pg. 109		
Field Comments	Sample collected on the east end of what is called the road 6-18" excavated.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Todd Burgesser 11/9/04

vs 021302

Sheet No.: S-00002

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 113 Sampling Date: 11/11/04

Address: 1475 400 W Owner: Pacificorp

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

Sampling Team: (circle) CDM PES Other _____ Names: Todd Burgesser

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00509 TB 11/11/04	SLR2- 00510 TB 11/11/04	SLR2- 00511 TB 11/11/04
Location ID	NA	NA	NA
Sample Group	Property	Property	Property
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	FS FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5
Sample Time	1035	1045	1055
Top Depth (in.)	0	0	0
Bottom Depth (in.)	2	2	2
Map Location	logbook pg 114	logbook pg 114	logbook pg 114
Field Comments	South east pit area 15' excavate	South east pit area 15' excavate	Sout east pit area. 15' excavated
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 021302

Sheet No.: S- 000072

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 123 Sampling Date: 11/17/04

Address: 400 W. ~~100~~ 127 S. Owner: PACIFICORP

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

Sampling Team: (circle) [CDM] PES Other _____ Names: ANDY GORDON

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00514 KG 11/17/04		
Location ID	NA		
Sample Group	PROPERTY		
Location Description (circle)	[Yard Soil] Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Ca[illegible]y (circle)	[FS] FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil [Surface Soil] Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab [Comp. # subsamples 5]	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	~~1540~~ AS 1530		
Top Depth (in.)	Ø		
Bottom Depth (in.)	2		
Map Location	SEE PG. # 122 IN SLR-04		
Field Comments	CONFIRMATION SAMPLE FOR SE CORNER OF SITE APPROX. 10' EXCAVATED DEPTH.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

11/17/04

vs 021302

Sheet No.: S-000023

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 138 Sampling Date: 12-2-04

Address: 1478 400 W Owner: Pacificorp

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

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

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00519 BT 12-2-04	SLR2- 00520 BT 12-2-04	
Location ID	NA	NA	
Sample Group	Property	Property	
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	(FS) FD _____	(FS) FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab Comp. # subsamples ____
Sample Time	1350		
Top Depth (in.)	0	0	
Bottom Depth (in.)	2	2	
Map Location	logbook p. 138	logbook p. 138	
Field Comments	West of conduit wall see logbook for diagram	East ~~side~~ of conduit wall BT	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 021302

Sheet No.: S- 000024

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-04 Page No: 144-145 Sampling Date: 12-7-04

Address: 147 S 400 W Owner: PacifiCorp

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

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

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00523		
Location ID			
Sample Group			
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Ca[illegible]y (circle)	FS FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	1445		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	P 145 (Logbook SLR-04)		
Field Comments	East of conduit wall and junction box/manhole.		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

No Blank 12/7/04

vs 021302

Sheet No.: S- 000025

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: N/A Field Logbook No: SLR2-UPL Page No: _____ Sampling Date: 12/21/04

Address: 1475 400W Owner: Pacificorp

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

Sampling Team: (circle) (CDM) PES Other _____ Names: Brian Pyles

BP 12/21/04 BP 12/21/04

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00524	SLR2- 00525	
Location ID	NA	NA	
Sample Group	Property	Property	
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	(Yard Soil) Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	(FS) FD _____	(FS) FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab Comp. # subsamples ____
Sample Time	1020	1030	
Top Depth (in.)	0	0	
Bottom Depth (in.)	2	2	
Map Location	See logbook	See logbook	
Field Comments	Sample grid by truck loading area.	Sample area SE corner of Artistic Printing.	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

BP

vs 021302

Sheet No.: S 000026

[illegible]BY SISTER SITES FIELD SAMPLE DATA SHEET
SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: [illegible] Page No: [illegible] Sampling D[illegible] 1/13/05

Address: 3RD WEST SUBSTATION Owner: PACIFICORP

Land Use: (circle) Re[illegible]ntial School Commercial Mining Roadway Oth[illegible]

Sampling Team: (circle) DM PES Other [illegible] Names: [illegible] COOK

Data Item	Sample 1	Sample 2	
Index ID	SLR2- 00526	SLR2- 00527	SLR2- 00528
Location ID	NA	[illegible]	NA
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	YARD [illegible] Soil [illegible] Area [illegible]way	Yard Soil Garden Soil Play Area Driveway Other	YARD Gar[illegible] Pla[illegible] Dr[illegible]
Category (circle)	[illegible]	PS FD	[illegible]
Matrix Type (circle)	[illegible] Waste [illegible]ace Soil SURFACE Soil	Mining Waste Subsurface Soil Surface Soil Fill Other	SURFACE SOIL
Type (circle)	COMP subsamples 5	Grab Comp # subsamples 5	COMP 5
Sample Time	1352	1356	1359
Top Depth (in.)	0		0
Bottom Depth (in.)	2		2
Map Location	SEE LOGBOOK		
Field Comments	NO VISIBLE VERMICULITE		
	Val[illegible]	Entered Validated	

vs 021302

Sheet No.: S- 000 27

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: PROPERTY Field Logbook No: SLR-06 Page No: 14 Sampling Date: 1/31/05

Address: 400 W. 100 S. Owner: PACIFICORP

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

Sampling Team: (circle) (CDM) PES Other _____ Names: ANDY GORDON

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00529	SLR2- 00530	SLR2- 00531
Location ID	AG 1/31/05	AG 1/31/05	AG 1/31/05
Sample Group	PROPERTY	PROPERTY	PROPERTY
Location Description (circle)	(Yard Soil) Garden Soil Play Area Driveway Other _____	(Yard Soil) Garden Soil Play Area Driveway Other _____	(Yard Soil) Garden Soil Play Area Driveway Other _____
Category (circle)	(FS) FD _____	(FS) FD _____	(FS) FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5
Sample Time	1245	1254	1223
Top Depth (in.)	0"		→ AG
Bottom Depth (in.)	2"		→ AG
Map Location	SEE LOGBOOK #SLR-06, PG. 14		→ AG
Field Comments	CLEARANCE SAMPLE TAKEN AT DEPTH (APPROX.) 4-5'	CLEARANCE SAMPLE TAKEN AT DEPTH (APPROX.) 9-10'	CLEARANCE SAMPLE TAKEN AT DEPTH (APPROX.) 14"
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 021302

Sheet No.: S- 00028

LIBBY SISTER SITES FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: SLR-06 Page No: 16 Sampling Date: 3/8/05

Address: 400 W. 100 S. Owner: PACIFICORP

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

Sampling Team: (circle) CDM PES Other _____ Names: ANDY GORDON

Data Item	Sample 1	Sample 2	Sample 3
Index ID	SLR2- 00532 AG 3/8/05	SLR2- 00533 AG 3/8/05	
Location ID	NA	NA	
Sample Group	PROPERTY	PROPERTY	
Location Description (circle)	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____	Yard Soil Garden Soil Play Area Driveway Other _____
Category (circle)	FS FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	Grab Comp. # subsamples 5	Grab Comp. # subsamples 5	Grab Comp. # subsamples ____
Sample Time	1200	1210	
Top Depth (in.)	0"	0"	
Bottom Depth (in.)	2"	2"	
Map Location	SEE LOGBOOK # SLR-06 PAG. 16 →		
Field Comments	CLEARANCE SAMPLE TAKEN AT DEPTH APPROX. 13-14"	CLEARANCE SAMPLE TAKEN AT DEPTH APPROX. 13-14"	
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

vs 021302

Sheet No.: SA- 148

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 37 Sampling Date: 9/10/04

Address: ~~3rd West Substation~~ 1473 400 W Owner/Tenant: Pacificorp

Business Name: Utah Power 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Brian Pyles

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00482		
Location ID	NA		
Sample Group	Property		
Location Description	East Side Containment outside Track Staging area. P3		
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	666536		
Flow Meter ID No.	DC-Lite 103349		
Start Date	9/10/04		
Start Time	0715		
Start Flow (L/min)	3.054		
Stop Date	9/10/04		
Stop Time	1418		
Stop Flow (L/min)	2.983		
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: 4654	TOTAL MIN: 363 AVG FLOW: 3.019 TOTAL VOL: 1096 Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) BP Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

BP 9/10/04

BP 9/10/04

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

vs 101503

Sheet No.: SA- 149

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 46 Sampling Date: 9/16/04

Address: 1475 400 W. Owner/Tenant: PACIFICORP

Business Name: Utah Power 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: ANDY GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00485 AG, 9/16/04	SLR2- 00486 AG, 9/16/04	
Location ID	NA	NA	
Sample Group	PROPERTY	NA	
Location Description	N. SIDE CONTAINMENT OUTSIDE PARKING LOT #1	NA - BLANK	
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	6666536	—	
Flow Meter ID No.	DC-Lite 103349	—	
Start Date	9/16/04		
Start Time	0652		
Start Flow (L/min)	3.00		
Stop Date	9/16/04		
Stop Time	1629		
Stop Flow (L/min)	3.02		
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 577 AVG FLOW: 3.01 TOTAL VOL: 1737	TOTAL MIN: Ø AVG FLOW: Ø TOTAL VOL: Ø	TOTAL MIN: AVG FLOW: TOTAL VOL:
Cassette Lot Number: _____	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 150

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 59 Sampling Date: 9/24/04

Address: 1475 400 W. Owner/Tenant: Pacificorp

Business Name: Utah Power 3rd W. Substation

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

Sampling Team: MACTEC (CDM) Other _____ Names: ANDY GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00490 ~~AG 9/24/04~~	SLR2- 00491 ~~AG 9/24/04~~	
Location ID	NA	NA	
Sample Group	PROPERTY	NA	
Location Description	E. SIDE CONTAINMENT TRUCK STAGING AREA. P3	BLANK - NA	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor (NA)	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	1026602	–	
Flow Meter ID No.	DC-Lite 103399	–	
Start Date	~~AG 9/24/04~~ ~~9/26/04~~ 9/24/04		
Start Time	1941		
Start Flow (L/min)	3.03		
Stop Date	9/24/04		
Stop Time	1613		
Stop Flow (L/min)	3.00		
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 392 AVG FLOW: 3.02 TOTAL VOL: 1183 Archive Blank (circle): Yes (No)	TOTAL MIN: Ø AVG FLOW: Ø TOTAL VOL: Ø Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 151

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 66 Sampling Date: 10/1/04

Address: 147 S 400 W Owner/Tenant: Pacificorp

Business Name: 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: Brian Ryles

Data Item	Cassette 1 BP 10/1/04	Cassette 2 BP 10/1/04	Cassette 3
Index ID	SLR2- 00492	SLR2- 00493	
Location ID	NA	NA	
Sample Group	Property	~~Property~~ Blank BP 10/1/04	
Location Description	Construction trailer (office trailer) Break Room P6	Blank	
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	BP 10/1/04 ~~103394~~ 626538		BP 10/1/04
Flow Meter ID No.	103394		
Start Date	10/1/04		
Start Time	0800		
Start Flow (L/min)	3.04		
Stop Date	10/1/04 BP 10/1/04	BP 10/1/04	
Stop Time	1140		
Stop Flow (L/min)	3.02		
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 360 AVG FLOW: 3.03 TOTAL VOL: 1,091	TOTAL MIN: AVG FLOW: TOTAL VOL:	TOTAL MIN: AVG FLOW: TOTAL VOL:
Cassette Lot Number: 4654	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

Sheet No.: SA- 152

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 72 Sampling Date: 10/7/04

Address: 1475 400W (Owner) Tenant: Pacificorp

Business Name: Utah Power 3rd West Substation

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

Sampling Team: MACTEC (CDM) Other _____ Names: Brian Riles

Data Item	Cassette 1 BP 10/7/04	Cassette 2 BP 10/7/04	Cassette 3
Index ID	SLR2- 00495	SLR2- 00496	
Location ID	NA	NA	
Sample Group	Property	Blank	
Location Description	East Side by Truck loading area P3	Blank	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB)-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor (NA)	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	626602		
Flow Meter ID No.	DC-Lite 103349		
Start Date	10/7/04		10/7/04
Start Time	0920	BP 10/7/04	BP
Start Flow (L/min)	3.03		
Stop Date	10/7/04		
Stop Time	1600		
Stop Flow (L/min)	3.01		
Pump fault? (circle)	(No) Yes NA	No Yes (NA)	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes (NA)	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: 4654	TOTAL MIN: 400 AVG FLOW: 3.02 TOTAL VOL: 1,208 L Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

Sheet No.: SA- 153

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 80 Sampling Date: 10/15/04

Address: 1475 400 W. Owner/Tenant: PACIFICORP

Business Name: Utah Power 300 W. Substation

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

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

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00498 AG 10/15/04	SLR2- 00499 AG 10/15/04	
Location ID	NA	NA	
Sample Group	PROPERTY	NA	
Location Description	North fenceline on perimeter of main yard in front of water tank. P1	NA - Blank	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor (NA)	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	666536	–	
Flow Meter ID No.	DC-Lite 103349	–	
Start Date	10/15/04	–	
Start Time	1924		
Start Flow (L/min)	3.02		
Stop Date	10/15/04	AG	
Stop Time	1204		
Stop Flow (L/min)	3.00		
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 160 AVG FLOW: 3.01 TOTAL VOL: 481 Archive Blank (circle): Yes (No)	TOTAL MIN: Ø AVG FLOW: Ø TOTAL VOL: Ø Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 154

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 87 Sampling Date: 10/22/04

Address: 1475 400 W. Owner/Tenant: PACIFICORP

Business Name: Utah Power 3RD W. Substation

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

Sampling Team: MACTEC (CDM) Other _____ Names: ANDY GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00500 AG 10/22/04	SLR2- 00501 AG 10/22/04	
Location ID	NA	NA	
Sample Group	PROPERTY	NA	
Location Description	West perimeter gate off 400 W. PA	NA- Blank	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor (NA)	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	1666536		
Flow Meter ID No.	DC-Lite 103349		
Start Date	10/22/04		
Start Time	0812		
Start Flow (L/min)	3.00		
Stop Date	10/22/04		
Stop Time	1134		
Stop Flow (L/min)	3.00		
Pump fault? (circle)	(No) Yes NA	No Yes (NA)	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes (NA)	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 202 AVG FLOW: 3.00 TOTAL VOL: 606 Archive Blank (circle): Yes (No)	TOTAL MIN: Ø AVG FLOW: Ø TOTAL VOL: Ø Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 155

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 96 Sampling Date: 10/29/04

Address: 1475 400 W. Owner/Tenant: Pacificorp

Business Name: Utah Power 3rd West Substation

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

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

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00503 AF 10/29/04	SLR2- 00504 AF 10/29/04	
Location ID			
Sample Group			
Location Description	E. side on perimeter fence by truck load-out (R+R P3) P3		
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor NA	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	691378	—	
Flow Meter ID No.	DC-Lite 103349	—	
Start Date	10/29/04		
Start Time	0905		
Start Flow (L/min)	3.00		
Stop Date	10/29/04	AF 10/29/04	
Stop Time	1435		
Stop Flow (L/min)	3.068		
Pump fault? (circle)	(No) Yes NA	No Yes NA	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes NA	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	TOTAL MIN: 330 AVG FLOW: 3.068 TOTAL VOL: 1012	TOTAL MIN: AVG FLOW: TOTAL VOL:	TOTAL MIN: AVG FLOW: TOTAL VOL:
Cassette Lot Number: _____	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No	Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by Rob Tolliford	QC by

vs 101503

Sheet No.: SA- 156

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 105 Sampling Date: 11/5/04

Address: 1475 400 W Owner/Tenant: Pacificorp

Business Name: Utah Power 3rd West Substation

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Names: _____

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00505 11/5/04		
Location ID	NA		
Sample Group	Property		
Location Description	On North perimeter fence, by water tank P1		
Category (circle)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor Outdoor NA	Indoor Outdoor NA	Indoor Outdoor 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 DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	666536		
Flow Meter ID No.	DC-Lite 103349		
Start Date	11/5/04		
Start Time	0645		
Start Flow (L/min)	4.530		
Stop Date	11/5/04		
Stop Time	1405		
Stop Flow (L/min)	2.95		
Pump fault? (circle)	No Yes NA	No Yes NA	No Yes NA
MET Station onsite?	No Yes NA	No Yes NA	No Yes NA
Sample Type	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 440 AVG FLOW: 2.97 TOTAL VOL: 1309 Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by Rob Tolford	QC by

vs 101503

Sheet No.: SA- 157

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 117 Sampling Date: 11/12/04

Address: 1475 400 W. Owner/Tenant: PACIFICORP

Business Name: UTAH POWER, 3RD WEST SUBSTATION

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

Sampling Team: MACTEC (CDM) Other _____ Names: Tommy Cook

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00512	SLR2- 00513	
Location ID	NA	NA	
Sample Group	PROPERTY	PROPERTY	
Location Description	- RUNCATE OF R&R ON S PERIMETER NEXT TO P2.	FIELD BLANK	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor (NA)	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	691378	FIELD BLANK	
Flow Meter ID No.	DLLITE 103349		
Start Date	11/12/04		
Start Time	0755		
Start Flow (L/min)	3.03		
Stop Date	11/12/04		
Stop Time	1509		
Stop Flow (L/min)	3.01		
Pump fault? (circle)	(No) Yes NA	No Yes (NA)	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes (NA)	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 434 AVG FLOW: 3.02 TOTAL VOL: 1311 Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: FIELD BLANK Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes (No)
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

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

vs 101503

Sheet No.: SA- 158

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-04 Page No: 125 Sampling Date: 11/19/04

Address: 1475 400 W. Owner/Tenant: PACIFICORP

Business Name: 3RD W. SUBSTATION

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

Sampling Team: MACTEC (CDM) Other _____ Names: ANDY GORDON

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00515 AG 11/19/04	SLR2- 00516 AG 11/19/04	
Location ID	NA	NA	
Sample Group	PROPERTY	NA	
Location Description	SOUTH PERIMETER FENCE NEAR CONTROL HOUSE. SEE LOGBOOK SLR-04, PG. 125 R+R site code: P2	BLANK	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank)) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor (NA)	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	626602	NA	
Flow Meter ID No.	DC Lite -103349	NA	
Start Date	11/19/04		
Start Time	0812		
Start Flow (L/min)	3.02		
Stop Date	11/19/04		
Stop Time	1443		
Stop Flow (L/min)	3.02		
Pump fault? (circle)	(No) Yes NA	No Yes (NA)	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes (NA)	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 391 AVG FLOW: 3.02 TOTAL VOL: 1180 Archive Blank (circle): Yes (No)	TOTAL MIN: Ø AVG FLOW: Ø TOTAL VOL: Ø Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes No
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

For Field Team Completion (Provide Initials)	Completed by AG	QC by TEC

vs-101503

Sheet No.: SA- 159

LIBBY FIELD SAMPLE DATA SHEET (FSDS) FOR STATIONARY AIR

Field Logbook No: SLR-4 Page No: 129 Sampling Date: 11/23/04

Address: 1475 WOON Owner/Tenant: PACIFICORP

Business Name: 3RD WEST SUBSTATION

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

Sampling Team: MACTEC (CDM) Other _____ Names: Tommy Cook

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	SLR2- 00517	SLR2- 00518	
Location ID	NA	NA	
Sample Group	PROPERTY	~~PROPERTY~~ TBZ	
Location Description	NORTH PERIMETER R&R SITE P1	FIELD BLANK 11/23/04	
Category (circle)	(FS) FB-(field blank) LB-(lot blank)	FS (FB-(field blank) LB-(lot blank)	FS FB-(field blank) LB-(lot blank)
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor NA	Indoor Outdoor 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 (DryCal) NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	626602		
Flow Meter ID No.	103349		
Start Date	11/23/04		
Start Time	0803		
Start Flow (L/min)	3.03		
Stop Date	11/23/04		
Stop Time	1540		
Stop Flow (L/min)	2.97		
Pump fault? (circle)	(No) Yes NA	No Yes NA	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes NA	No Yes NA
Sample Type	(Pre) Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments Cassette Lot Number: _____	TOTAL MIN: 457 AVG FLOW: 3.00 TOTAL VOL: 1371 L Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes (No)	TOTAL MIN: AVG FLOW: TOTAL VOL: Archive Blank (circle): Yes (No)
QC (Field Team) ____ Entered (LFO) ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

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

vs 101503

...assette 2 (OT 12-6-[illegible])		Cassette 3	
...ot blank)	FS FB-(field blank)	LB-(lot blank)	
...005211			
	25mm	37mm	
)	TEM- .45	PCM- 0.8	
NA	Rotometer	DryCal	NA

Data Item	Cassette 1 (OT 12-6-[illegible])				Ca...
	FS FB-(field blank)	LB-(lot blank)		FS FB-(field blank)	LB-(...
Index ID	SLR2- 005214			SLR2-	
Filter Diameter (circle)	25mm	37mm		25mm	37mm
Pore Size (circle)	TEM- .45	PCM- 0.8		TEM- .45	PCM- 0.8
Flow Meter Type (circle)	Rotometer	DryCal	NA	Rotometer	DryCal
Pump ID Number	NA			626 602	
Flow Meter ID No.	NA			103349	
Start Date	12-3-04			12.3.04	
Start Time				0742	
Start Flow (L/min)	3.03			3.03	
Stop Date				12.3.04	
Stop Time				1402	

NA - [illegible] 12-3-04

Appendix K
UP&L Yard Field Logbook Entries

CDM

Location SLC2-UPLSH Date 8/30/04

Project / Client DOT/Volpe CDM-Brian Ryles

3rd West Substation

Weather: Overcast Today to 100 F

Activities: Site Prep

PPE: Level D

Gov. Doc: Final Draft RAWP for Libby Asbestos Project

1400 Arrived on site Very little work completed today.

1500 left site.

8/30/04

No Further entry

Location SLC2-UPLSH Date 8/31/04

Project / Client DOT/Volpe CDM-Brian Ryles

3rd West Substation

Weather: Sunny Today 80's

Activities: Site Prep

PPE: Level D

Gov. Doc: Final Draft RAWP for Libby Asbestos Project

0700 Arrived @ site. Employees did Not Start Showing up until 0800.

0800 Morning Safety Meeting.

0900 Walk through on site. Recomended Changes on Shower trailer & they needed Negative air unit in trailer

- No digging equipment on site yet. Suppose to start tomorrow.

1200 Lunch.

1500 No Changes. Still working on Shower trailer & Fencing Up. No Staging area for trucks yet.

1600 left for the day.

No Further entry

8/31/04

28 30

Location SLC2-UPLSH Date 9/1/04

Project / Client DOT/Volpe CDM-Brian Pyles

3rd West Substation

W Weather: Sunny 90's today.

Ac Activities: Site Prep

P PPE: Level D

G GOV Doc. Final SAAP for RAWP E-Libby Asbestos Project.

1 0800 Safety Meeting

No Changes on set up.

Floyd Nichols CEPA on site today. Still working on set up. No Material Being Moved today.

9/1/04

No Further entries

Location SLC2-UPLSH Date 9/2/04 31

Project / Client DOT/Volpe CDM-Brian Pyles

3rd West Substation

Weather: Sunny/90's today/

Activities: Site Prep

PPE: Level D

Gov Doc. Final SAAP for RAWP for Libby Asbestos Project.

0600 Safety Meeting. Volpe + EPA on site. Workers still Not ready for digging yet. Problems with setting up decon showers. Pad. No dirty work today

9/2/04

No Further entries

Location SLC2-UPLSN Date 9/3/04

Project / Client DOT/Volpe COM-Brian Pyles
3rd West Substation

Weather: Cold Rain / lightening.
Activities - Still Setup.
PPE - A Level (1)
Gov. Doc. Final SAAP for RAWP
for Libby Asbestos site.
0600 Morning Safety Meeting.
Rain + Lightening stopped work
early. Still Setting up. Should Be
ready today for dirty work tmrw
start on Next Tuesday 9/7 after
Labor day break.
1400 left site for day. Travel
Home today.

Brian Pyles
9/3/04
No Further Entries

Location SLC2-UPLSH Date 9/7/04

Project / Client DOT/Volpe COM-Brian Pyles
3rd West Substation

Weather: Sunny 80°
Activities: Soil Removal + Hauling Trucks.
PPE: Level D-Support
Level C-Excavation
Gover Doc. Final SAAP for RAWP for
Libby Asbestos Site.
1200 Arrived @ Site. Workers started
Removing soil + Stock Piling material
to load out trucks tomorrow. Started
on the far North area @ 100 south and
working their way South. Water supression
need improving. Safety with Electric
Substation seems fine.
1400 Entered zone to check material.
All is well. Few flake and one area
on North end need rescraped. No
other issues.
1530 Out of containment.
1600 left site.

No Further entries
9/7/04
B. Pyles

Location SLC2-UPLSH Date 9/8/04

Project / Client DOT/Volpe CDM-Brian Ayles

3rd West Sub Station

Weather: Sunny 80°

Activities: Soil Removal + Truck Hauling

PPE: Level C - Soil Excavation

Level D - Support

Gov Documents: Final SAAP for RAWP for Libby Asbestos Site.

0600 Safety Meeting. Truck Drivers on site for orientation.

0930 1st Truck Left.

1100 5th Truck Left.

1200 lunch

1300 Into Containment. Workers found Gross amounts of Material in area by old Processing Plant Foot Print. Material seem to go from 1' BGS to 10' BGS. They found what seems to be a basement floor, Pacicorp decided to remove all Material within the footprint and 4 ft of material East Section of containment. 10 loads of material today

1700 left site.

9/8/04

No further entry

Location SLC2-UPLSH Date 9/9/04

Project / Client DOT/Volpe CDM-Brian Ayles

3rd West Sub Station

Weather: Sunny 80°

Activities: Soil Removal + Hauling

PPE: Level C - Soil Excavation

Level D - Support

Gov Documents: Final SAAP for RAWP for Libby Asbestos Site

0600 Morning Safety meeting.

Continued soil excavation of Foot Print of Old processing plant. Also finishing up East area and will be ready tomorrow for sampling. No other activities

8 Truck load and out today

no left site.

9/9/04

No further entries

Location SLC2-UPLSH Date 9/10/04

Project / Client DOT/Volpe COM-Brian Ryles

3rd West Substation

Weather: Sunny/ 60°F

Activities: Soil Excavation

PPE: Level C

Gov. Doc - Final SAAP for RAWP for Libby Asbestos Project. BR 9/10/04

0600. Morning Safety ~~Project~~ Meeting.

Continuing Soil Removal. Hauling soil also.

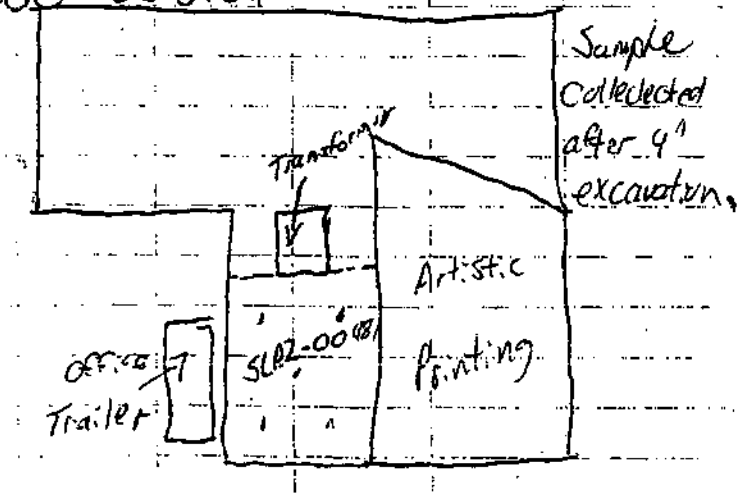
1020 Collected sample on North Side of Containment BR 9/10/04

1020 **SLR2- 00481** 5 pt. composite.

Soil confirmation Samples

FSOS# S-000014

COC# 000104



Location SLC2-UPLSH Date 9/10/04

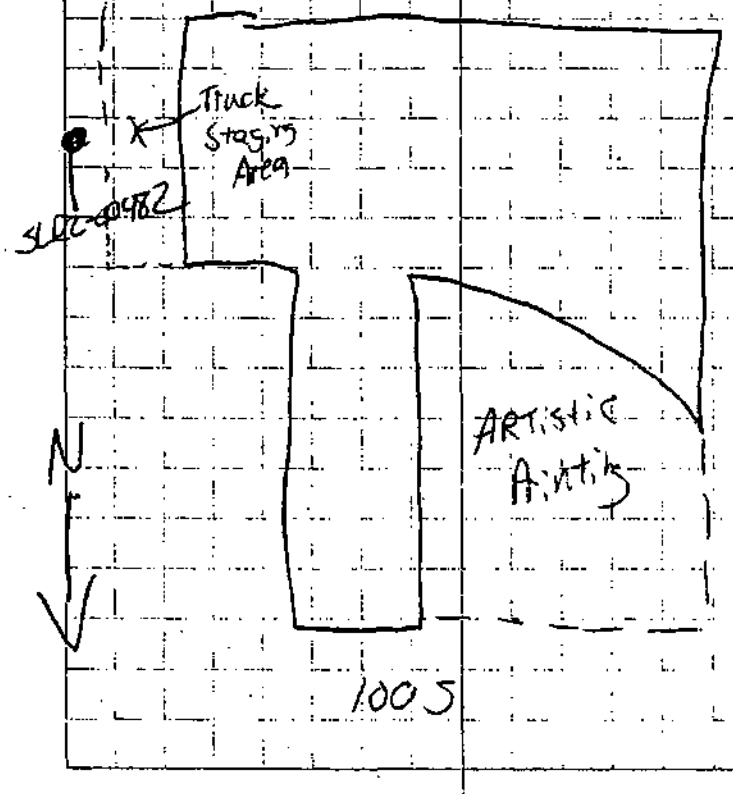
Project / Client DOT/Volpe COM-Brian Ryles

3rd West Substation

~~West~~ Air sampling perimeter sampling. Air to QA E+R perimeter sampling. Location is @ fence outside of Truck Staging areas. Sampling as follows:

0715 **SLR2- 00482** East Side outside By Truck Staging area

BR 9/10/04 **SLR2- 00483** Blank



Location SLC2-UPLSH Date 9/10/04 cont.

Project / Client DOT/Volpe CDM: ANDY GORDON

3RD W. SUBSTATION

1200 Arrive onsite. Assume logbook from B. Pyles. 9/10/04 AG

1210 Go over all work completed so far during excavation for the last week w/Brian and meet other contract personnel onsite. 9/10/04 AG

1315 Depart site for lunch. AG

1345 Return to site. Due to truck schedules and the inability of personnel to be onsite over the weekend, to wet down excavated material, the decision was made to stop work for the day after the last of staged material was loaded + taken away. AG

1418 Stop air monitoring pump #666536 and collect sample # SLR2-00482 from outside truck staging area. Calibrate pump and complete FSDS# SA-148. Soil confirmation sample SLR2-00481, blank SLR2-00483, and above mentioned sample will be shipped to Reservoirs on COC #104 and FedEx airbill # 845854964998.

1315 Depart site to drop off FedEx

9/10/04 ANDY GORDON

Location SLC2-UPLYZ Date 9/13/04

Project / Client DOT/Volpe CDM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: A. GORDON AG

WEATHER: SUNNY & 80° AG

Soil Excavation AG

PPE: Level C AG

Email SAP for RAWP Libby Asbestos

0600 Arrive onsite. Morning Safety Meeting. AG

Continue hauling excavated soil from site. More test holes being dug at request of Pacif. corp. New sites are adjacent to previous holes.

1100 Lunch. 5 loads taken from site this morning. (Truck + pup) AG

1130 Return to site. Excavation continues.

1630 Last truck for day loaded + departs site. (12 loads total today)

Depart site for hotel.

9/13/04 ANDY GORDON

Location SLC2 - UPLYZ Date 9/14/04

Project / Client DOT / VOLPE CDM: ANDY GORDON

3RD WEST SUBSTATION

AUTHOR: ANDY GORDON AG

WEATHER: Partly cloudy, high 80's

Soil Excavation AG

PPE: Level C AG

Final SAAP for RAWP Libby Asbestos Project.

0615 Arrive @ site. Individual hazard assessments discussed @ morning safety mtg. AG

0630 Begin loading 1st truck + pup. Continue observing excavation + loading. Making sure sufficient ~~suppression~~ suppression AG 9/14/04 w/ water hoses continues. AG

0730 3rd truckload leaves site. Waiting for more to arrive before resuming excavation (already have large pile of removal material staged for loading. Dust ~~suppression~~ suppression AG 9/14/04 continues during wait.)

0830 Call Stacy Gardelan @ Reservoirs to get results from samples sent out last Friday. Air samp (perimeter QC) SLR2-00482 was ND but clearance soil samp SLR2-00481 (Composite from N. end parking lot - 4 in. scrape) came back trace. Called J. Montera to get recommendations on

Andrew R. Gordon 9/14/04

Location SLC2-UPLYZ Date 9/14/04 cont. 41

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD. W. Substation

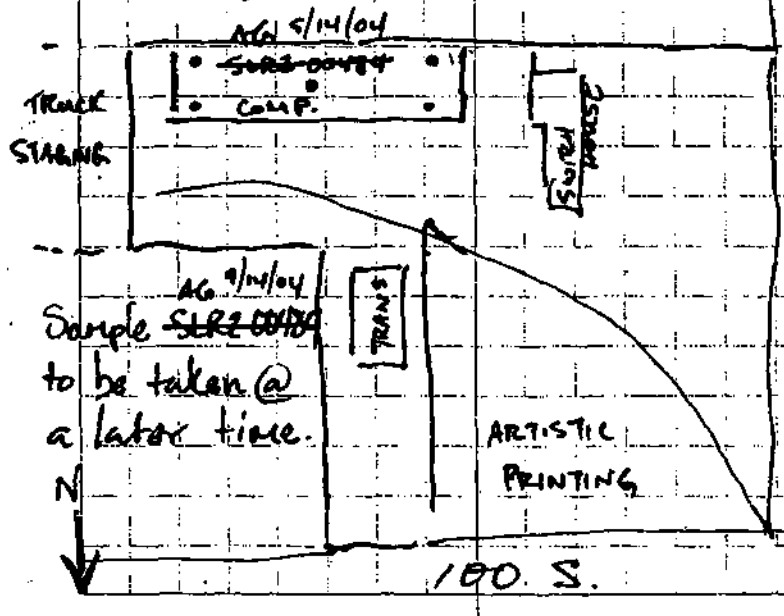
how to proceed. Another 6 in. scrape recommended then resample. Will talk w/ Kuda when he arrives onsite today.

0945 Depart site to pickup laptop @ hotel. AG

1025 Return to site. Another truck being loaded. AG

1040 Kuda arrives onsite AG

1115 Create FSDS # 000015 for clearance samples to be taken on S. side of containment near site of old smokestack see below:



Location SLC2-UPLYZ Date 9/14/04 cont.

Project / Client DOT/VOLPE CDM: ANDY

3RD W. SUBSTATION. GORDON

1155 Depart site for lunch. AG

1245 Return to site. After informing Kuda, D. Wilson (Pacificorp), R+R, Champion that our initial clearance sample taken from N. side containment came back w/ trace asbestos, work began on removing approx. 6" more. This will bring total depth of surface soil removed from N. Side parking lot to 10-12". After additional removal started it was noted that there were AG 9/14/04 cross/recontamination issues with the tread on excavation equipment and buckets being "dirty" after dumping their loads and returning to retrieve/dig MOR. This problem was addressed by thoroughly decontaminating buckets and treads w/ fire hose and modifying the procedure by which the small excavator is removing soil to make sure that no equipment is driving from contaminated areas to clean areas and that operator knows he is to make sure all contaminated soil (especially loose material) is dumped from

Andrew R. Gordon 9/14/04

Location SLC2-UPLYZ Date 9/14/04 cont.

Project / Client DOT/Volpe CDM: ANDY

3rd W. Substation GORDON

bucket before continuing to dig. (Operator needs to take time to do this).

1445 Electrical problems w/ small loader being used to clear additional soil AG 9/14/04 removed from N. side parking lot. Left side control is dead - equipment will be decon'd before repairs are made. Work on N. side is stopped temporarily. AG

1500 Last 3 trucks arrive for filling. Total loads taken from site today is 10. Kuda noted tear in cover on one of the trucks and this was pointed out to R+R. They made sure this tear was duct taped properly before departing site. I have been looking for these tears and this was the 1st occurance noted. AG

1630 Last truck load leaves site. Depart site for day to drop off FedEx for Tommy.

Andrew R. Gordon 9/14/04

ANDY GORDON

Location SLC2-UPLYZ Date 9/15/04

Project / Client DOT/Volpe CDM: ANDY GORDON

3RD. W. SUBSTATION

AUTHOR: ANDY GORDON AG

WEATHER: SUNNY, MID 70'S, SLIGHT BREEZE

Soil excavation AG

PPE: Level C AG

Final SAP for RAWP Libby Asbestos Project.

0615 Arrive onsite. Morning safety mtg. still underway. Comments made re: overall plan for excavation toward exits on site. Other issues addressed include general site safety w/trenches and not recontaminating clean areas. AG

0630 First trucks arrive onsite for loading. AG

0800 J. Montera arrives onsite. Discuss current operations and site layout.

0910 Depart site w/Kuda + Jeff.

0950 Return to site. Continue observation of soil removal. Also walk perimeter of site w/J. Montera and Kuda.

1145 Depart for lunch AG

1225 Return to site. 2 more trucks being loaded. AG

1400 Larger trackhoe arrives onsite for use in clearing additional 6" from

Andy R. Gordon 9/15/04

Location SLC2-UPLYZ Date 9/15/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. Substation

N. side parking lot. AG

1500 As excavation continues in the concrete storage area next to west side of original exfoliation plant (10' down) veins of pure product are clearly visible. At least two full truck loads are excavated and likely to be very highly contaminated. Any staged material left in piles tonight after last trucks leave will be thoroughly wetted down. AG

1630 Last truck load departs site for the day (8 total). AG

1640 Depart site for the day

Andy R. Gordon 9/15/04

ANDY GORDON

Location SLC2-UPLYZ Date 9/16/04

Project / Client DOT/Volpe CDM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: ANDY GORDON — disregard lineout AG 9/ AG 9/17/04 AG

WEATHER: Sunny, Upper 70's ~~slight~~ breeze

Soil excavation — AG

PPE: Level C — AG

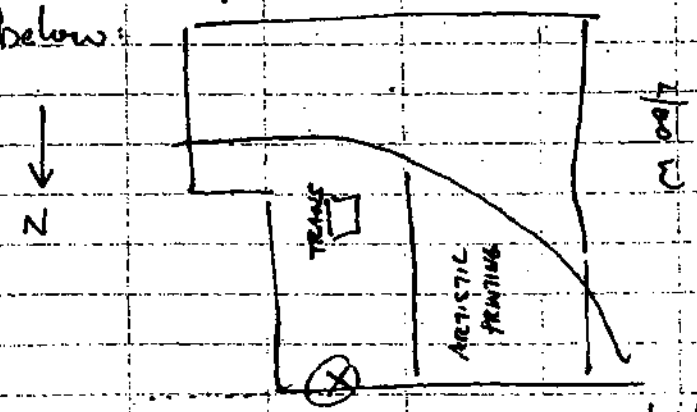
Final SAP for RAWP Libby Asbestos Project

~~060~~ AG 9/16/04 0610 Arrive @ ~~CSF~~ AG 9/16/04 site. Morning safety mtg. finishing up. — AG

0615 Create FSDS # SA-149 for QC perimeter air sample # side by side to run with R+R sample at location described below:

AG 9/16/04

SLR2- 00485



AG 9/16/04

also create blank # — AG

SLR2- 00486

0630 First 3 trucks arrive for loading.

[signature] 9/16/04

Location SLC2-UPLYZ Date 9/16/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

0652 Start pump # 666536 for perimeter sample SLR2-00485. — AG

0705 Depart site to return to hotel to work on laptop and eat breakfast. Work is resuming on additional 6" of excavation in N. side parking lot. — AG

1040 Return to site. Reviewing Pacificorp's governing plan + observing excavation in east yard (footprint of plant/unloading area) as well as N. side parking lot.

1230 Create COC # 105 for air samples to be sent to Reservoirs tonight on FedEx airbill # 8479 ~~2476 0942~~ 3996 3580. AG 9/16/04 AG

1445 Suit up (level C) and enter contamination area to inspect progress so far. Concrete floor (approx. 10' down) adjacent to exfoliation plant runs ≈ 6' East from wall to concrete cradles where turbines used to be. Trenches referred to earlier in logbook confirmed to contain gross amounts of product. Vacuum truck will excavate these since bucket on trackhoe will not fit. Dust

[signature] 9/16/04

Location SLC2-UPLYZ Date 9/16/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

Suppression is adequate across site.
1515 Exit contaminated area using proper decon procedure. — AG
1530 Last truck leaves site for day - 10 loads total. — AG
1629 Stop perimeter QC sample SLR2-00485 and calibrate pump. Complete FSDS for today and COC # 105. — AG
1650 Depart site for the day.

Andrew R. Gordon 9/16/04
ANDY GORDON

Location SLC2-UPLYZ Date 9/17/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: ANDY GORDON — AG
WEATHER: Sunny, upper 70's, moderate slight breeze
Soil excavation — AG 9/17/04 AG
PPE: Level C — AG
Final SAP for RAWP Libby Asbestos Project
0710 Arrive @ site. Excavation continues in East yard and N. side parking lot. Downloading forms to complete for expenses so far on this trip. — AG
0815 Depart site for wireless access + breakfast. — AG
0930 Return to site. Work on N. side parking lot scrape almost complete.
1045 Additional 6" scrape of N. side parking lot is complete. It was noted that Artistic Printing personnel were scrubbing/sweeping West side roof top and disturbing material in visible clouds. Breeze blowing SW to NE when this is occurring. R+R take pictures for documentation. Got the okay to take final clearance samples and this portion of site will be fenced off and considered clean. — AG

Andrew R. Gordon 9/17/04

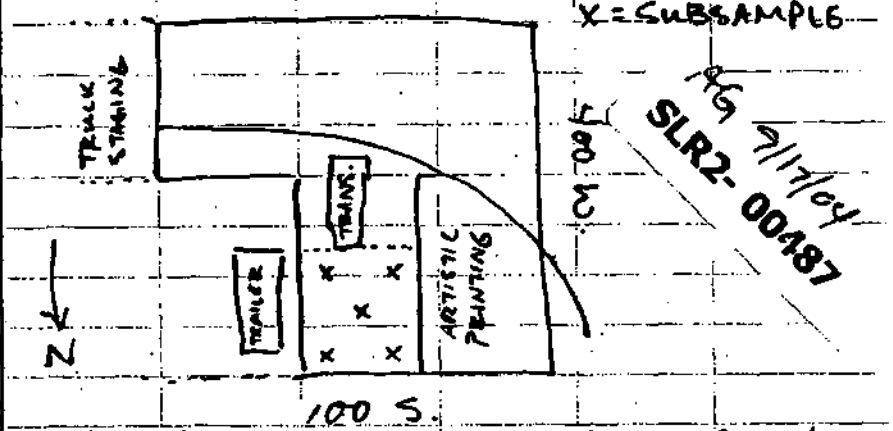
Location SLC2-UPLYZ Date 9/17/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION.

1115 Create FSDS # S-000016 for 5 pt. composite to be taken as clearance sample outlined below: SLR2-00487

X = SUBSAMPLE



1145 Suit up (level C PPE) and enter containment to take above clearance sample. AG

1200 Exit contamination after decon. Excavation on south side of property (along fenceline) starts, down to 2'.

1300 Create COC #107 for sending the above sample to Reservoirs for 24 hr TAT on FedEx airbill # 847923996290. AG

1500 7 truckloads left site today - any remaining staged material will be sufficiently wetted down and Champion will come in over the weekend for additional suppression. AG

[signature] 9/17/04

Location SLC2-UPLYZ Date 9/17/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

1510 Depart site for day - C. Jung will drop off Reservoirs shipment.

[signature] 9/17/04

Location SLC2-UPLYZ Date 9/20/04

Project / Client DOT/Volpe COM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: ANDY GORDON — AG

WEATHER: Cool + rainy, mid-50's

Soil excavation — AG

PPE: Level C — AG

Final SAP for RAWP Libby Asbestos Project.

0800 Arrive onsite. Finish memo to file (requested by Champion) documenting that truck loads of excavated soil have been filled to capacity and properly secured.

0830 Check email - no new issues — AG

0845 Floyd Nichols arrives onsite to inspect progress. Bringing him up-to-date on activities. Excavation continues on east yard while vac. truck is set up to begin soil removal on energized portions of site. — AG

1140 Depart site for lunch. — AG

1215 Return to site. — AG

1420 Safety mtg. regarding cleanup to start on West side of site w/vac truck. R+R is leading. 10 trucks total left site today, last one departed @ 1400 — AG

1630 Depart site for day

Andrew R. Gordon 9/20/04

Location SLC2-UPLYZ Date 9/21/04

Project / Client DOT/VOLPE COM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: ANDY GORDON — AG

WEATHER: Cool + partly cloudy, calm 60°

Soil excavation — AG

PPE: Level C — AG

Final SAP for RAWP Libby Asbestos Project

0745 Arrive onsite. 4 truckloads being filled. Excavation continues on east yard and ~~west~~ AG 9/21/04 around transformers with vac truck and hand tools.

0900 Enter contamination w/appropriate PPE (C) to inspect south perimeter where smoke stack used to stand for visible vermiculite. Visible traces of vermiculite are still present across area from south perimeter to edge of 10' pit and east to break in south perimeter fenceline. Noted unprocessed vermiculite ore > 1cm in diameter where most recent excavation occurred along east perimeter fence. — AG

0920 Exit contamination with proper decon procedure. Call Stacey @ Res to get results on clearance sample #SLR2-00487: sample had <1% trace amounts of LA + chrysotile fibers. The

Andrew R. Gordon 9/21/04

Location SLC2-UPLYZ Date 9/21/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

north side parking lot will remain. cleared as results are acceptable w/excavation to 1'. AG

1300 Depart site for lunch. AG

AG 9/21/04 1400 Return to site. Continue monitoring excavation. AG

1700 Depart site for day - 7 trucks left site today.

Andy Gordon 9/21/04

Location SLC2-UPLYZ Date 9/22/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: Andy Gordon AG

WEATHER: Partly cloudy, ~~breezy~~ slight breeze, 60° AG 9/22/04

Soil excavation AG

PPE: Level C AG

Final SAP for RAWP Libby Asbestos Project

0750 Arrive @ site - here briefly but had to go right back to hotel to get computer. AG

0800 Call Kuda w/requested dates of site work @ SLC2 (including the switch house cleaning.) I will write an email site update to B. Pyles, Kuda, J. Montera, and F. Nichols (EPA). T. Cook too. AG

1115 Area around transformer #6 (n. side) has been fenced off and appears ready for inspection. Awaiting go ahead from Champion.

1130 Conference call w/J. Montera and B. Pyles re: current site activities.

1210 Depart site for lunch. AG

1315 Return from lunch. Champion crew is clearing area along west side of Artistic Printing and prepping for vac. truck in that area. AG

9/22/04

Location SLC2 - UPLYZ Date 9/22/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

1500 Enter contamination after suiting up (Level C) to inspect both south fence (near smoke stack area) and excavation around transformer (n. side). South fence has been excavated from w. retaining wall to e. perimeter fence down to 18". Am still seeing visible vermiculite as fine flakes on surface. Area around transformer #6 has been excavated to ≈ 6" and I am also still seeing fine flakes on surface. Champion ~~and~~ AG 9/22/04 will scrape another 6" from this area using vac. truck (according to Pacificorp.) Pacificorp is still discussing options for south perimeter w/ Champion and myself. AG

1745 Depart site for day - sounds like Pacificorp has decided to remove concrete cradles in middle of existing pit to get a better angle @ south perimeter excavation.

Andy R. Gordon 9/22/04
ANDY GORDON

Location SLC2 - UPLYZ Date 9/23/04 57

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: ANDY GORDON AG
WEATHER: Clear, sunny 60° slight breeze
Soil Excavation AG
PPE: Level C AG
Final SAP for RAWP Libby Asbestos Project
0715 Arrive onsite. Safety mtg. finishing up. Addressed issue of continued dust suppression in high traffic areas now that work is beginning on w. side of Artistic Printing along old railroad tracks. AG

AG 9/23/04 DT *late entry: 10 total loads of soil removed from site yesterday. AG
Work w/ vac truck in UTA area (old railroad begins), also, as indicated yesterday, Pacificorp has decided to demolish concrete cradles adjacent to old plant in pit to create better access to south perimeter for further excavation. AG
1145 Depart site for lunch @ R+R
1330 Return to site. Larger trackhoe is now onsite w/ jackhammer attachment AG 9/23/04 ~~to be~~ and has begun demo on the

Andy R. Gordon 9/23/04

Location SLC2-UPLYZ Date 9/23/04 cont.

Project / Client DOT/VOLPE CSM: ANDY GORDON

3RD W. SUBSTATION

concrete cradles in existing pit adjacent to old plant. Hammer is also being used to demo larger pieces of concrete already excavated from pit. Major excavation w/trackhoe has been temporarily suspended today while demo work is finished. No trucks loaded today. Minor repairs again being made to decon trailer entry area from site and new tie-downs are attached to plastic covering perimeter fence.

1610 Site work ends for day after sufficient suppression. One concrete cradle remains while Champion excavated demolished ~~one~~ cradle AG 9/23/04 from pit. Utah Power contact arrives onsite to scope out the needed relocation of guy-wire at intersection of retaining wall and south perimeter. Personnel will be onsite tomorrow to begin this task. AG

1705 Depart site for day.

Andrew R. Gordon 9/23/04

ANDY GORDON

Location SLC2-UPLYZ Date 9/24/04

Project / Client DOT/VOLPE CSM: ANDY GORDON

3RD W. SUBSTATION

AUTHOR: ANDY GORDON AG

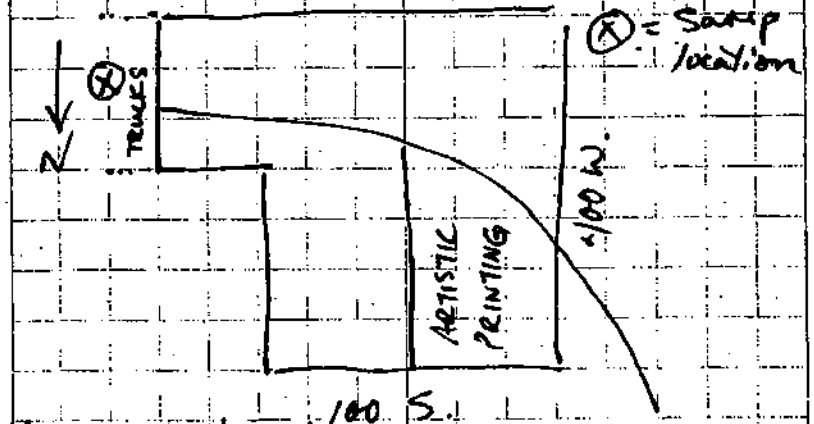
WEATHER: Sunny, slight breeze, 80°

Soil excavation AG

PPE: Level C AG

Final SAP for RAWP Libby Asbestos Project

0850 Arrive onsite (complications @ hotel prevented earlier arrival onsite) Create FSDS for QC perimeter air sample SLR2-00490 (FSDS # SA-150) to be sampled as indicated below:



Also create blank SLR2-00491 on same FSDS. AG

SLR2- 00490	BLANK SLR2- 00491
AG 9/24/04	AG 9/24/04

Andrew R. Gordon 9/24/04

Location SLC2-UPLYZ Date 9/24/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

0920 Caroline Jung (R+R) has informed me that she got an LA hit on her perimeter air sample taken on east side at the truck staging area on Weds. 9/23. I will run my weekly QC perimeter samp at this location today. AG

0941 Start pump #626602 for sample SLR2-00490. (Pump calibrated earlier).

0945 Recd message from T. Cook that no samples need to be taken for SLC fill material as per Kuda and EPA. Possible reasons for LA fiber found on east side perimeter on Weds. include insufficient decon of pad in truck staging area and perhaps the load from which the fiber came was not wet enough. I will address both these issues w/ R+R personnel and they will implement any necessary changes.

1015 DEQ contact arrives onsite to inspect progress. AG

1225 Depart site for lunch. AG

1320 Return to site. Demolition continues

Andrew R. Gordon 9/24/04

Location SLC2-UPLYZ Date 9/24/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

on last concrete cradle. *Late entry - When vac truck first arrived onsite last week it turned out that Champion needed it for another job elsewhere. Since the truck was driven in the west gate on wood planks and not used for any excavation yet, Champion just powerwashed it and drove it back out the west gate. Once the truck returned to the site to begin work it has not left since. AG

1600 Site work done for the day and large jackhammer trackhoe is decon'd. 10 total loads left site today.

1613 Turn off pump and collect SLR2-00490. Complete FSDS and calibrate pump. SLR2-00490 + 491 will be sent to Reservoirs on FedEx airbill # 8479 24760923 and COC #1006. AG

1700 Depart site for day to drop off FedEx.

Andrew R. Gordon 9/24/04

Location SLC2-UPLSH Date 9/27/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation

Weather: Sunny 80°

Activities: Soil Removal + Vacuum.

PPE - Level C

Gov. Doc. - Final SAAP for RAWP Libby Asbestos Project.

1200 Arrived on site. Workers are continuing Removal on South East corner + also Started Removal of UTA (Utah transportation Authority) property. The Circus is coming to town Tomorrow and we will not be able to Run trucks until next Tuesday. It was found out on Friday. We will still be able to work on UTA area and stockpile material until next week.

1615 left site for the day.

No Further entry 9/27/04 [signature]

Location SLC2 - UPLSH Date 9/28/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation

Weather: Rain 55°

Activities: Soil Removal + Vacuum.

PPE - Level C

Gov. Doc. Final SAAP for the RAWP Libby Asbestos Project

0700 Arrived @ site. Morning Safety Meeting with discussions with Champion we decided to dig test hole on SE corner of property to see how deep material is present and possible depth of Vermiculite present.

0900 Workers dug pit.

1020 Went into Containment to inspect area At 2 ft below existing grad (After 4' excavation) there is a Sandy, loamy soil. This seems Native and might show no material. Area of UTA they have removed 4 ft where railroad spur used to come into property and 2' all other places. Rain makes it hard to tell if vermiculite visible. They are moving slow and will work on this area all day.

1700 left site

No Further entry 9/28/04 [signature]

Location SLC2-UPLSH Date 9/29/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation.

Weather: Sunny 60°F

Activities: Vacum Soil Removal.

PPE: Level C

Gov-Doc - Final Draft SAAP for RAWP on Libby Asbestos project.

0700 Arrived on Site. Same as yesterday. UTA area only area working on. Still Removing material from this area. Work going slow.

1200 lunch

1300 Back onsite. Continue soil Removal.

1645 left Site

No Further entry

[signature] 9/29/04

Location SLC2-UPLSH Date 9/30/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation

Weather: Sunny 80°F

Activities: Soil Vacum

PPE: Level C

Gov-Doc Final SAAP for RAWP on Libby asbestos project.

0700 - Onsite Continued cleanup of removal area.

1250 Floyd Nichols arived onsite. Discussing UTA Area With Champion & EPA. We went and looked @ area in question Around Transformer ~~& Building~~. Artistic Printing Building. Vermiculite still visible @ 4' in area. With conversations With Floyd Nichols & Craig (DEQ). Still following removal plan. If we can safely Remove material the we go after it. If safety is going to be a factor we will have to discuss it again.

1500 Everyone left site. Workers continue to remove material.

1700 left site. No Further entry!

[signature] 9/30/04

Location SLC2-UPLSH Date 10/1/04

Project / Client DOT/Volpe

Weather: Sunny 70°

Activities: Soil Removal

PPE: Level C

Gov-Doc Final Draft SAAP for RAWP on Libby Asbestos site Project.

0700 Arrived @ site. Safety Meeting

- Prepared Air sample for Break Room. Calibrated Pump # 626538 with DCL Lite 103394.

BP ~~SLR2-00~~ 10/1/04

0800 SLR2- 00492 Break Room, Job trailer.

SLR2- 00493 Blank Blank COC # 000105 FSDS # SA-15 1440 Collected Sample

Workers Continuing Soil Removal @ UTA property area. They have went down approx 5' on N Side of transformer + 2 ft south of Transformer.

No Further info to give. Vermiculite still visible. No Further entries

10/1/04

Location SLC2-UPLSH Date 10/4/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation

Weather: Sunny 80°F

Activities: Soil Removal

PPE: Level C

Gov-Doc. Final Draft RAWP Libby Asbestos Project.

0800 Morning meeting.

- Circus is already gon. trying to get trucks to run today. Workers still working on UTA area. Work going extremely slow. Workers cleaning up area for Pacificorp to look @ tomorrow. No work in pit area.

1700 Left Site No Further entries

10/4/04

Location SLC2-UPLSH Date 10/5/04

Project / Client DOT/Volpe COM: Brian Pyles

3rd West Substation.

Weather: Sunny 70°

Activities: Soil Removal

PPE: Level C

Gov-Doc - Final Draft RAWP for Libby Asbestos site.

0700 Morning Safety meeting. Trucks onsite today. Starting to load trucks from stockpile area.

- Dave Wilson onsite today, Discussing possible controls on soil in UTA Area. Vermiculite still visible

- EPA (Floyd Nichols) & UDAQ (Craig Romiz) will be onsite 1200.

1040 Floyd Nichols arrives onsite. Discussions with Pacic Corp & UDAQ & Pacicorp lawyers to decide what will be done with soil controls

1200 lunch

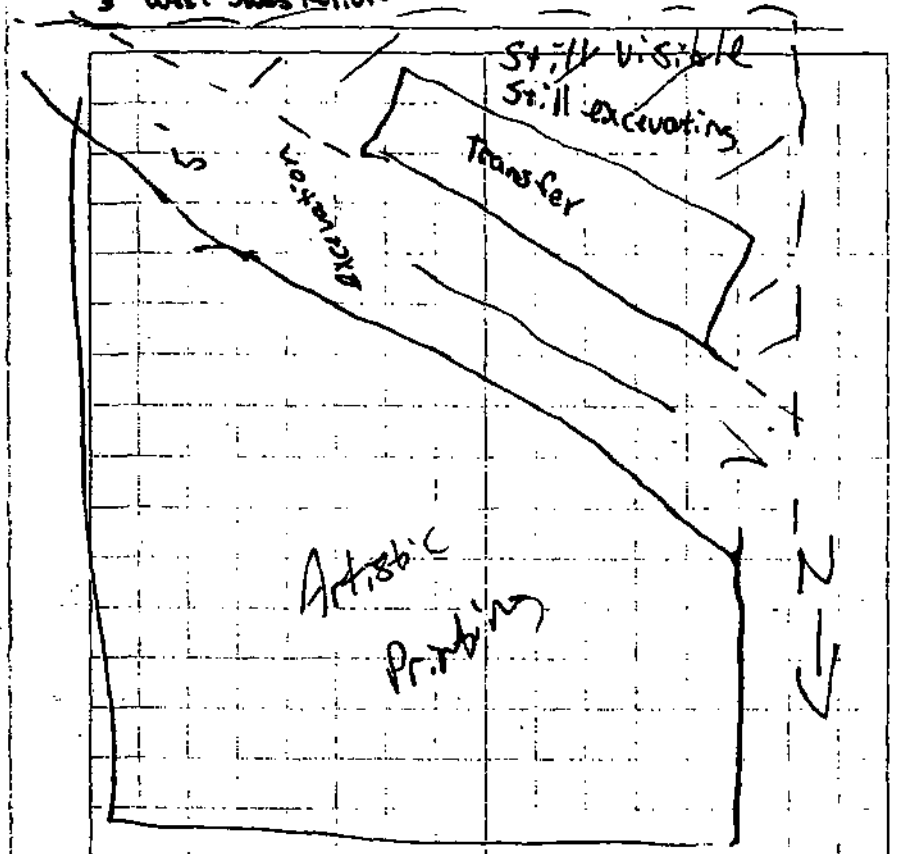
1300 All met back @ office. It has been decide to use soil controls where railroad spur goes along Artistic Printing building and North side of transformer.

Ben Pyles

Location SLC2-UPLSH Date 10/5/04

Project / Client DOT/Volpe COM: Brian Pyles

3rd West Substation



The South side of transformer there are still going to go down to try to clear area.

1600 left site.

No Further entries

10/5/04

Bm

Location SLC2-UPLSH Date 10/6/04

Project / Client DOT/Volpe Com: Brian Byles

3rd West Substation

Weather: Sunny 70°F

Activities: Soil Removal

PPE: Level: C

Gov-Doc Final Draft RAWP for Libby Asbestos Site.

0700 Morning Safety Meeting Loading trucks from Stack Pile

0900 Started excavating on South East area of containment. Pure vermiculite tailings material in this area.

1140 Collected soil sample of Railroad spur area South of Artistic printing building, in area of visible vermiculite for documentation there will be no Further excavation in this area.

1140 **SLR2- 00494** BP 10/6/04

0-2" after 5' excavation. Vermiculite still visible in this area. 5 point Composite.

FSAS# S-000017

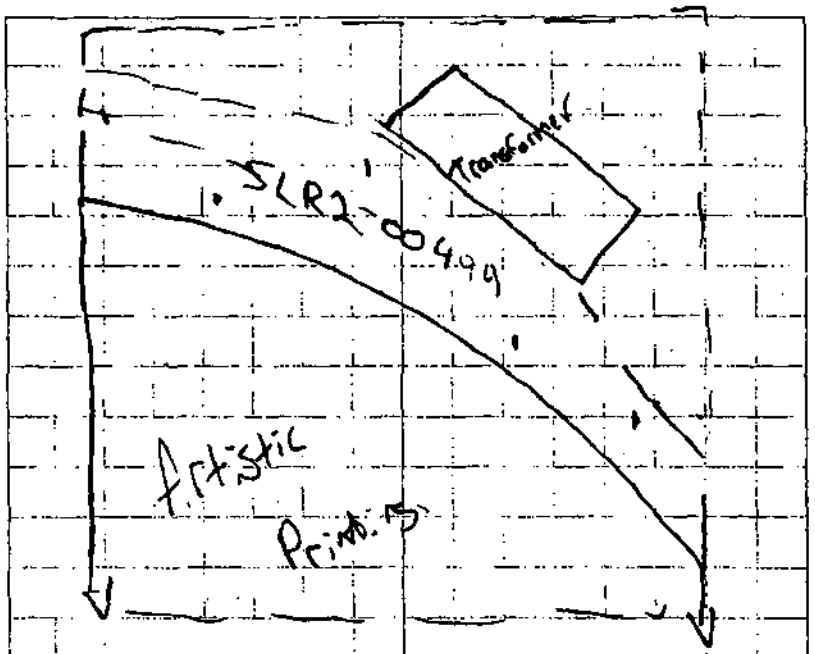
COC# 000109

Bill

Location SLC2-UPLSH Date 10/6/04

Project / Client DOT/Volpe

3rd West Substation



1700 Champion Hauled 8 loads out today. Yesterday 10/5 they hauled 10 loads.

No Further Exc 10/6/04

Location SLC2-UPLSH Date 10/7/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation

Weather: Sunny 60°

Activities: Soil Removal

PPE: Level C

Gov. Doc. Final Draft RAWP for Libby Asbestos Site.

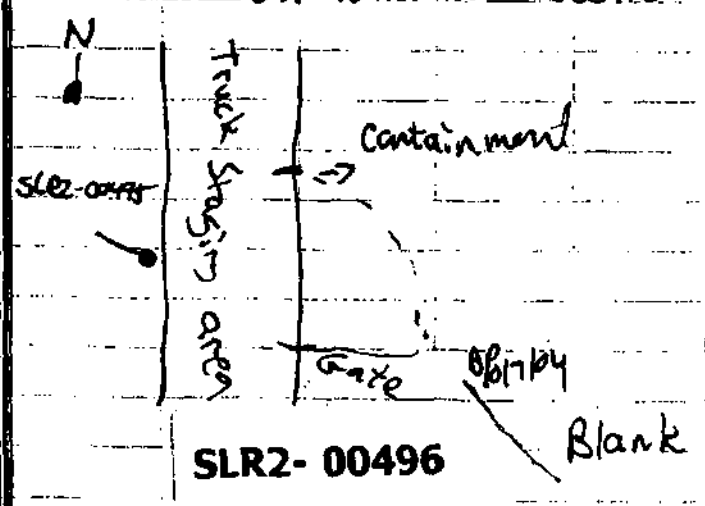
0700 Morning Meeting.

0720 Weekly Side by Side Sample Completing East side by Sta. truck loading area

BP 10/7/04

0920 **SLR2- 00495** Truck loading area-east side.

FSDS# SA-152 CCC# 000110



1600 collected Samples, workers have continued removing soil. BP NS no further entries

Location SLC2-UPLSH Date 10/8/04

Project / Client DOT/Volpe CDM: Brian Pyles

3rd West Substation.

Weather: Sunny 80°

Activities: Soil Removal

PPE: Level C

Gov. Doc. Final Draft RAWP Libby Asbestos Site.

0700 Morning Safety Meeting, Workers Continuing soil Removal in UTA area + also on SE corner area in hole.

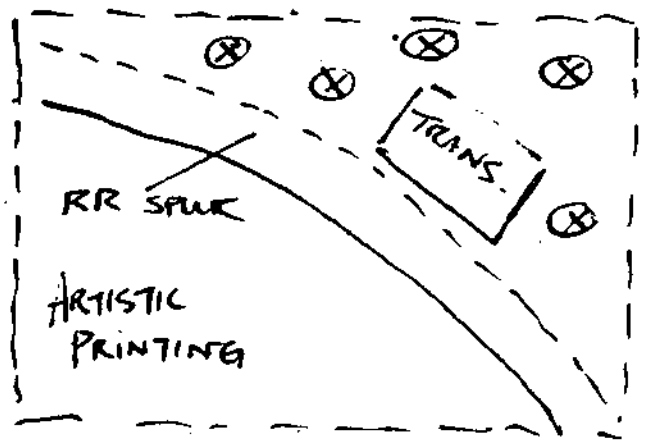
- UTA area should be ready Monday for inspection + sampling.

10/11/04

ANDY GORDON

SLC2-UPLYZ 10/11/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

Weather: 70°F, Sunny — AG
AUTHOR: ANDY GORDON — AG
Activities: Soil Removal — AG
PPE: Level C — AG
Final SAP for RAWP Libby Asbestos Project
1200 Arrive onsite. Talk w/ Floyd (EPA) and Champion re: site activities for last two weeks. Also call J. Montera to give him an update on progress.
1300 Depart site for lunch. — AG
1400 Return to site. Excavation continues
1515 Create FSDS #S-000018 for 5pt. composite sample #SLR2-00497 to be taken from area indicated below: ⊗=sub samp



Andy R. Gordon 10/11/04

SLC2-UPLYZ 10/11/04 cont.
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

Brian Pyles sampled area where railroad spur runs adj. to Artistic Printing last week for documentation as no further excavation can be done for this area. SLR2-00497 will serve the same purpose for area on the south side of transformer and railroad. AG 10/11/04
The area where — **SLR2-00497** was taken was able to be excavated only to 3' due to electrical hazards @ ~~4~~ 4' and deeper. AG 10/11/04 Areas represented by samples SLR2-00494 + 497 have been exc. to maximum depth given electrical hazard and stability of Artistic Print building foundation. Entire UTA area South of printshop will be roped off pending final decision on fill and engineering control options. SLR2-00497 to be sent to Reservoirs on COC# 111 and FedEx airbill # 847923996084.
1700 Depart site for day — AG

Andy R. Gordon ANDY GORDON 10/11/04

Location SLC2-UPLYZ Date 10/12/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD. W. SUBSTATION

WEATHER: 70° F, sunny — AG

AUTHOR: ANDY GORDON — AG

ACTIVITIES: Soil Removal — AG

PPE: Level C — AG

Final SAP for RAWP Libby Asbestos Project

0700 Arrive @ Site. Attend safety mtg.

0720 Trucks begin taking first loads of the day. *Note: 10 truckloads taken from site yesterday. — AG

1020 Depart site for lunch. — AG

1120 Return to site. Received analysis results for samples SLR2-004941 & 497. Both samples came back "trace" for LA.

1300 Rec'd sample table from J. Montera to complete for all recent samples taken @ SLC2 site. — AG

1515 Climb to roof of Utah Paper Box for overview of south perimeter and new excavation of east perimeter. — AG

1645 Depart site for day - 10 truckloads taken today.

Andrew R. Gordon ANDY GORDON 10/12/04

Location SLC2-UPLYZ Date 10/13/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD. W. SUBSTATION

WEATHER: 70° F, sunny — AG

AUTHOR: ANDY GORDON — AG

ACTIVITIES: Soil Removal — AG

PPE: Level C — AG

Final SAP for RAWP Libby Asbestos Project

0810 Arrive @ site. Soil removal continues on south/east perimeter. — AG

1030 Depart site to pick up expense check + lunch. — AG

1100 Return to site. Excavation still continuing along east perimeter. More foundation walls in footprint of old plant were found at approx. 10'. Pacificorp has decided to demo most of these except for those attached to west concrete wall adjacent to energized area. — AG

1430 Last truck departs site for day - 10 truckloads today. — AG

1545 Vac. truck being decon'd w/ high pressure water hose and wire brushes before being taken offsite and moved to area south/west of switchhouse. — AG

1715 Depart site for day.

Andrew R. Gordon ANDY GORDON 10/13/04

Location SLC2-WPLYZ Date 10/14/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD WEST SUBSTATION

WEATHER: 70°, Sunny — AG

AUTHOR: ANDY GORDON — AG

ACTIVITIES: Soil Removal — AG

PPE: Level C — AG

Final SAP for RAWP Libby Asbestos Project

0730 Arrive @ site. Safety mtg. finishing up.

~~First 3~~ AG 10/14/04 Trucks onsite ready for loading. (5 tot.)

Excavation will continue along east perimeter of site. — AG

1030 Depart site to deposit expense check.

*Note: ≈10:00 this morning excavator operator reports abnormal smell coming from newly excavated area along east perimeter of site. Smells like fuel spill and is causing irritation for workers in containment. R+R have taken samples to rush to lab for analysis and work has been stopped until we figure out what is in soil. Also, around same time the heavy loader brake down (parking brake and bucket malfunction). This equipment will be thoroughly decon'd before any repair is done. — AG

1200 Contractor ~~[illegible]~~ AG 10/14/04 onsite to repair

Andrew R. Gordon 10/14/04

Location SLC2-WPLYZ Date 10/14/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

heavy loader. Called Floyd for guidance re: necessary PPE for mechanic to go into containment to fix loader since it cannot be moved due to brake malfunction. Blown fuse is replaced and loader is operational.

1300 Depart site for lunch. — AG

1400 Return to site. Excavation of road adj. to UTA area leading from west gate has begun. At this time visible vermiculite present down to initial dig depth of 1.5'. Sounds like Pacificorp has requested the excavation to continue in this area down to 3', like UTA area — AG

1620 Depart site for day. Results from analysis on rush samples taken from east perimeter (fuel dump area) will be relayed to everyone when they come back tomorrow.

Andrew R. Gordon 10/14/04

ANDY GORDON

SLC2-UPLYZ 10/15/04
DOT/VOLPE CDM: ANDY GORDON
3RD. W. SUBSTATION

WEATHER: 70°, sunny — AG
AUTHOR: ANDY GORDON — AG
ACTIVITIES: Soil Excavation — AG
PPE: Level C — AG
Final ~~SAP~~ RAWP Libby Asbestos Project.
0800 Arrive onsite. No loading today - awaiting final results from samples taken from fuel dump found along east perimeter. Minimal Champion crew onsite today and only excavation activities will be to continue work on road adjacent to UTA area — AG
0900 Create FSDS # SA-153 for side by side perimeter air sample to be taken as indicated below: ⊗ = samp location

SLR2- 00498
AG 10/15/04

BLANK

SLR2- 00499
AG 10/15/04

0924 Start sample SLR2-00498 w/pump # 666536. — AG
0945 C. Barnitz arrives onsite to get info on results from fuel spill/dump samps.
[signature] 10/15/04

SLC2-UPLYZ 10/15/04 cont.
DOT/VOLPE CDM: ANDY GORDON
3RD W. Substation

1200 All workers out of containment and work is done for today. — AG
1204 Collect sample # SLR2-00498 and ready for FedEx shipment to Res. This sample and blank created today will ~~be~~ be sent on COC # 112 and airbill # 847923996062. — AG
1230 Set up VPN access to CDM in Denver and try to get email working again.
1330 Depart site for day.

[signature] 10/15/04
ANDY GORDON

SLC2-UPLYZ 10/18/04
DOT/VOLPE COM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: 50°, Rainy —— AG
AUTHOR: ANDY GORDON —— AG
ACTIVITIES: Soil excavation —— AG
PPE: Level C and full-face respirators for work in fuel spill area. —— AG
Final RAWP Libby Asbestos Project. —— AG
0750 Arrive onsite. All 5 trucks still onsite and not yet loaded. Champion is getting proper PPE for work to continue in area of fuel dump/spill. Excavation still continues on roadway south of UTA area. AG 10/18/04
1215 Depart site for lunch. —— AG
1315 Return to site. —— AG
1515 Kuda & Craig Meyers enter containment to inspect east perimeter cut along w/ rest of site. —— AG
1630 Depart site to dust sample @ SLC 1 site.

*Late note: 10 trucks today.

ANDY GORDON 10/18/04

SLC2-UPLYZ 10/19/04
DOT/VOLPE COM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: 50°, Rainy —— AG
AUTHOR: ANDY GORDON —— AG
ACTIVITIES: Soil excavation —— AG
PPE: Level C w/ full face —— AG
for work done in fuel area. —— AG
Final RAWP for Libby Asbestos Project
0700 Arrive onsite. Kuda has to fly out so I will be entering containment w/ Craig Myers (EPA) to determine how far eastward the layer of vermiculite @ 5' along the east perimeter of site extends. Requested Auto CAD design for core samples taken in AMPCO parking lot earlier this year. Excavation to continue on roadway from W. gate next to UTA area until SVOC analysis results come back from fuel dump samples. —— AG
1000 Enter containment to inspect trench cut created to determine eastward limit of vermiculite vein along east perimeter of site. It appears to follow slope of native soil under last fill running east downward to west into existing pit within footprint of old plant. From all visual indicators

10/19/04

SLC2-WPLYZ 10/19/04 cont.
DOT/VOLPE CDM: ANDY GORDON
3RD. W. SUBSTATION

the visible layer of vermiculite running along east perimeter does not continue eastward under AMFCO parking lot.
1210 Depart site for lunch. —— AG
1310 Return to site. Excavation is continuing in area of roadway and N. transformer.
1630 Sending dust samples SLR1-0001, 2, 3 taken by Kuda yesterday @ SLC1 sister Site on COC# 113 and FedEx airbill # 847923996100 to Reservoirs for 24 HR TAT.
1730 Depart site for day

Andrew R. Gordon 10/19/04
ANDY GORDON

SLC2-WPLYZ 10/20/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: 40°, Rainy —— AG
AUTHOR: ANDY GORDON —— AG
ACTIVITIES: Soil excavation —— AG
PPE: Level C, (AG 10/20/04 No work has been done in fuel dump on east perimeter since it was first uncovered. Final results from requested analysis will be returned today.) PPE will be upgraded for this area when work resumes. —— AG
Final RAWP for Libby Asbestos Project
0720 Arrive onsite. Safety mtg. in progress. Working on trying to clear roadway S. of UTA area and area around N. transformer today. —— AG
1300 Utah Power representative onsite pulls workers out due to heavy rains. No more work will be done today.
1400 Depart site with work to do in hotel. No trucks loaded today

Andrew R. Gordon 10/20/04
ANDY GORDON

SLC2-UPLYZ 10/21/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: 50° Cloudy — AG
AUTHOR: ANDY GORDON — AG
ACTIVITIES: Soil excavation — AG
PPE: Level C — AG
Final RAWP for Libby Asbestos Project
1000 Arrive onsite. Excavation continuing on east perimeter of site in SE corner. Work on roadway and area around the north transformer should be ready for clearance today. — AG
1430 Conference call w/ J. Montana, T. Cook, & B. Telford to discuss Bob taking over onsite next week. — AG
1700 All workers offsite. Excavation resumed today on east perimeter in fuel dump area. Champion personnel wore full face respirators w/ modified cartridges to prevent irritation from fumes. Truck staging ramp reworked to allow better access to east perimeter. 7 truckloads left site today. — AG
1735 Above-mentioned clearance was not completed today - depart site. — AG

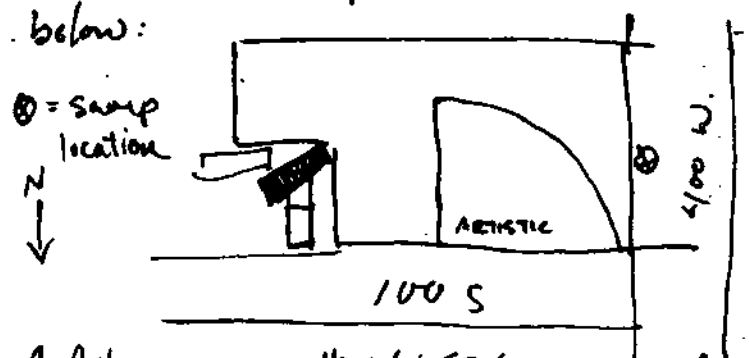
ANDY GORDON
10/21/04

SLC2-UPLYZ 10/22/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: 40°, Rainy — AG
AUTHOR: ANDY GORDON — AG
ACTIVITIES: Soil excavation — AG
PPE: Level C — AG
Final RAWP for Libby Asbestos Project
0720 Arrive onsite. Morning safety mtg. starts. — AG
0750 Create the following on PSDS# 154:

SLR2- 00500 AG 10/22/04
SLR2- 00501 BLANK AG 10/22/04

Perimeter air samp will be taken as indicated below:



Calibrate pump # 666536 using dry cal #103349 and start perimeter air samp.
0812 Start pump for perimeter sample SLR2-00500. — AG
0830 Trucks begin loading. — AG
10/22/04

SLC2-UPLYZ 10/22/04
DOT/VOLPE CDM: ANDY GORDON cont.
3RD W. SUBSTATION

1145 All workers now offsite. Champion's excavator was called to another jobsite so all work done this morning was loading trucks and moving other staged material. 5 truckloads left site today. AG

*Late note: 1134 Pump stopped for sample SLR2-00500. Post calibrate pump & finish FSDS#SA-154. Samples SLR2-00500 and 501 will be sent to Reservoirs on COC#000114 and FedEx airbill # 847923996132. AG

1230 Finishing work on SLC1 details for T. Cook and send last site update for the week. AG

1330 Depart site to get copies made of SLC2 diagram. I will drop these off back @ site then leave for Denver.

ANDY GORDON 10/22/04

SLC2-UPLYZ 10-25-04
DOT/VOLPE CDM: Bob Tolford
3rd West Substation

0730 Weather: 35° raining
Author: Bob Tolford
PPE: Level C
Gov. Doc: Draft Final RAWP for Libby Asbestos Site.
0740 Morning Safety meeting. Activity: excavating around Artistic Printing, De-watering the parking area.
0820 B. Tolford departs site to go purchase rubber steel toe boots.
0922 B. Tolford returns to site. De-watering is in progress. Work around A.P. is underway.
1220 Depart site for lunch.
1320 Return to site from lunch.
1426 While excavation was taking place along the Southeast corner of the Artistic Printing building, fibrous material was encountered. Some is encrusted in a slag-like material. The current thought is that when the old rail bed was being laid out, ~~that~~ BTNS the slag encrusted tremolite was probably sitting in a pile nearby and made a handy addition to the railbed material. The material seems to extend no more that about 15' along the sides of the building leading away from the Southeast corner. Current

Bob Tolford - CDM

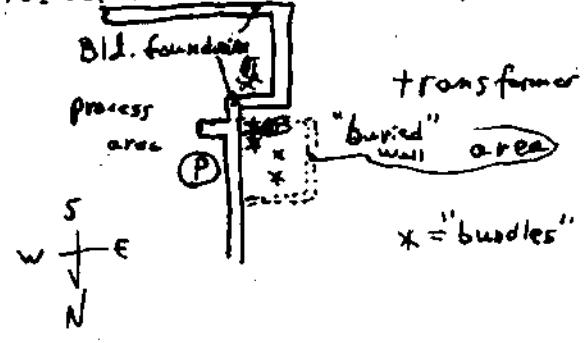
SLC 2 - UPLYZ 10-25-04
DOT VOLPE CDM: Bob Tolford
3rd West Substation

1426 (cont.) excavation is down to about 2' bls. These fiber bundles are of a significant quantity.
1630 operations are shutting down for the day. Excavated material is stockpiled and no trucks left the site today. (BT)
1637 B. Tolford departs site for the day

Bob Tolford 10-25-04

SLC 2 - UPLYZ 10-26-04
DOT VOLPE CDM: Bob Tolford

0745 Weather: 50°, overcast, chance of rain.
Author: Bob Tolford (BT)
Activities: Soil excavation (BT)
PPE: Level C (BT)
Controlling document: draft RAWP for Libby Asbestos Project (BT)
Morning meeting conducted at 0735. (BT)
Activity: Excavation of soil. Demolition of foundation in former processing area.
1220 B. Tolford departs for lunch.
1312 Return from lunch.
1345 Asbestos "bundles" have been discovered along the base of the building foundation at the former processing area. Water is being sprayed in to the spots that the Trackhoe-mounted hammer is working on as it breaks up the concrete. Soil from inside the "buried wall" (depic-



1345 (cont.) ted above) is being placed over the wall to
Bob Tolford - CDM

Location SLC2-UPLYZ Date 10-26-04

Project / Client DOT-VOLPE CDM - Bob Tolford

3rd West Substation

1345 (cont.) the west at the location marked with "Ⓟ". This material will be removed later.

1544 Ken (of Utah Power, who is providing assistance around Transformer area) has shown me a rock, looks like sandstone. He's not sure what it's make up is and will bring it to Vince (R+R) to have a look.

1707 Operations have ceased for the day, B. Tolford departs site for the day.

Bob Tolford 10/26/04

Bob Tolford - CDM

Location SLC2-UPLYZ Date 10-27-04

Project / Client DOT-VOLPE CDM - Bob Tolford

3rd West Substation

Weather: 50° overcast (BT)

Author: Bob Tolford (BT)

Activities: Soil Excavation (BT)

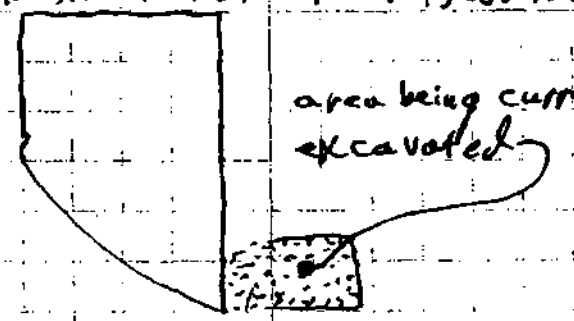
PPE: Level C (BT)

Governing Document: DRAFT Final RAWP for Libby Asbestos Sites

0725 B. Tolford arrived onsite. Morning meeting discussed stockpiling and excavating. Excavation will take place along area running west from the southern tip of the Artistic Printing building. Trucks will not arrive for removal of excavated material until tomorrow. (BT)

NOTE No truck loads were removed from the site yesterday. (BT)

0952 Some excavation to about 1' to 1.5' bls is taking place ~~to~~ (BT 10.27.04) in an area to the east of the southeast corner of the A.P. building (see below). Ken of Utah Power is observing.



Demolition of concrete in process area is ongoing.

Bob Tolford - CDM

SLC2-UPLYZ 10-27-04
DOT/VOLPE CDM - Bob Tolford
3rd West Substation

1230 Depart for lunch with Brian (champion). BT

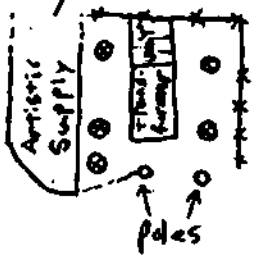
1330 Return from lunch. Tom cook arrives — BT

~~13~~ 1400 Tom and I drive over to SLC-1 site.

1443 Return to SLC-2. BT

1511 TCM departs to go do paperwork & check in to hotel BT

1610 Collect Soil composite (5 point) in area to east of the South east corner of Artistic Printing building. Create FSOS# S-000019 for this.



⊗ = composite location

BT 10/27/04

SLR2- 00502

FedEx airbill # for shipment: 847923996165

1730 Activity at site is done for the day, B. Tolford departs for the day. BT

Bob Tolford - CDM Bob Tolford

SLC2-UPLYZ 10-28-04
DOT/VOLPE CDM - Bob Tolford
3rd West Substation

Weather: 50°, occasional rain. BT

Author: Bob Tolford BT

Activities: Soil Excavation, concrete demolition, soil removal. BT

PPE: Level C BT

Controlling document: Draft Final RAWP for Libby Asbestos Site

1009 Tandem rigged truck have been loaded. Crew is taking care to ensure plastic covers are in place during loading so that material does not go where it shouldn't. BT

1015 Floyd Sullivan has arrived onsite.

1120 Floyd departs to visit SLC1 site.

1225 B. Tolford leaves for lunch BT

1320 Return from lunch. BT

1433 All 4 trucks are back from their 1st run and the first is being loaded again.

1557 Nine truck loads of excavated material have been removed today from the site.

~~1720~~ 1620 Activities done for the day, B. Tolford departs as site is locked up.

Bob Tolford - CDM Bob Tolford

SLC2-UPLYZ 10/29/04
DOT / VOLPE CDM- Bob Tolford
3rd West Substation

0740] Morning meeting, Weather: 39°, raining
Author: Bob Tolford (BT)
Activities: Truck loadouts for soil removal; excavation, air sample collection today.
PPE: Level C.
Controlling doc: Draft Final RAWP for Libby Asbestos Site.

BT 10/29/04 BT 10/29/04
SLR2- 00503 **SLR2- 00504**
Blank

0905] Tommy Cook gave me his rundown on air sampling ~~BT 10/29/04~~ procedures. We set up sampler on the east fence line near the truck loadout zone. Pump started at 0905 at a rate of 3 liters per minute.
1020] The 5th and final truck load of the day has left the site (BT)
1140] B. Tolford departs for lunch (BT)
1210] Never left for lunch until just now. Tom Cook arrived and we went over shutting down procedures for the air sampler and discussed work in general up until now. (BT)
1312] B. Tolford returns to site. (BT)
1317] Check air sample, it is running still. (BT)
Bob Tolford-CDM

SLC2-UPLYZ 10/29/04
DOT/VOLPE CDM- Bob Tolford
3rd West Substation.

1435] Retrieved air sample from E. fence.
Post cal. flow rate: 3.068 LPM
Total min: 330 x 3.068 = 1012
1610] Rolloff tank at SW part of site has been picked up and removed. A maintenance crew remains at site to replace a shear pin on one of the track hoes. Other activities have ceased for the day.
B. Tolford departs site. (BT)

Bob Tolford-CDM

SLC2-UPLYZ 11/1/04
DOT/VOLPE CDM-Bob Tolford
3rd West Substation

0742 Weather: 30°, Sunny (BT)
Activities: Soil Excavation, dewatering parking lot*
PPE: Level C. (BT)
Controlling Document: Draft Final RAWP for Libby Asbestos Site
0815 Excavated material is being loaded into the trucks, no excavation yet. (BT)
I called Tom Cook at his cell phone to ask if we had results from the soil analysis of the confirmation sample that I collected last week (see page 94). He said he is on the way into work and that it is probably in his email. In the meantime I can call the lab, he said, and talk with Jeannie or Stacy at 303-964-1968. I called, spoke with Jeannie who looked up the results for Index ID SLR2-00502. She said it shows a trace of Libby Asbestos, and a trace of Chrysotile. (BT)
1220 Break for lunch (BT)
1320 Return from lunch (BT)
1610 Excavation took place ~~along the outside~~ (BT 11-1-04) between the west side of the old production building, and the transformer area. 10 truckloads removed today.
1736 B. Tolford departs site
(BT)
* - Also, removal of excavated material.
Bob Tolford - CDM

SLC2-UPLYZ 11/2/04
DOT/VOLPE CDM-Bob Tolford
3rd West Substation

0710 Arrived onsite at 0700 to discover morning meeting are now at 0630 to take advantage of earlier daylight hours. (BT)
Weather: Clear Sky, 30° (BT)
Activities*: Excavation (BT)
Controlling document: Draft Final RAWP for Libby Asbestos Site.
*0840 Excavation AND removal of material from site are activities today. (BT)
0913 While excavating (BT 11-2-04) ~~with~~ with a trackhoe to the north of the process area, a suspected cable was uncovered at about 1.5' bls. It runs in a N/S direction. Pacificorp sent a representative out; Champion's crew peeled tarpaper off of it and scratched the surface of it, and determined that it is galvanized pipe. Quest was contacted and they said that it is not one of their gas lines. Vince figures it is an old, relic gas spur that led to the processing plant. I called Tom Cook who is setting up air pumps at SLC-1. He will be here shortly.
1010 Excavating (BT 11-2-04) ~~continues~~ continues to the north of the process area, taking care to stay at the depth of the pipe (1'-1.5' bls). Tom stopped by the site for a few minutes around 0950. (BT)
Bob Tolford - CDM

SLC2-UPLYZ
DOT/VOLPE
3rd West Substation

10 11-2-04
CDM-Bob Tolford

1220] Depart for lunch — BT

1325] Return from lunch to site — BT

1358] PacifiCorp + R&R reps discussed the necessity of concentrating on ~~clearing~~ excavating "the roadway" in order to get clearance for same. So, roadway excavation is the current priority.

2100] Late entry, at 1505, I left SLC2 site to go to the SLC 1 site to assist Tommy Cook. I stayed there the remainder of the day.

Bob Tolford-CDM

SLC2-UPLYZ
DOT/VOLPE
3rd West Substation

11-3-04
CDM-Bob Tolford

0704] Morning meeting held at 0630. Health & Safety discussion centered on slippery, frosty conditions, and care in use of hand tools. — BT

Weather: clear, 25° — BT

Activities: Excavation and Soil removal — BT

Controlling Document: Draft Final RAWP for Libby Asbestos project

NOTE] YESTERDAY, TEN (10) truckloads of excavated material was removed from site.

0708] B. Tolford departs site to go to SLC 1 site which I shall have to transition into as I must cover it also late tomorrow and Friday.

0907] B. Tolford returns to SLC-2. Excavation of the roadway continues: Clearance inside the process area will be accomplished by removing excavated material via a ramp dug down to the concrete pad (inside process area) upon which excavated material will be staged for removal to stockpile at ground level and or to trucks. At present crew is decontaminating one of the trackhoes in preparation for removal from site.

1015] Decontamination of trackhoe continues; it is just inside the exclusion zone, sitting on clean poly sheeting which will allow it to "walk" offsite without bringing dirty material

SLC-2 / UPLYZ 11-3-04
DOT / VOLPE CDM - Bob Tolford
3rd West Substation

1015 (cont.) with it. To clean the treads, the treads are raised of the ground by setting the bucket on the ground off to one side, this allowed the tracks/treads to be run in mid-air while being pressure-washed. — BT

1200 B. Tolford ~~be~~ (BT 11-3-04) Departs for lunch. — BT

1324 Return to site. — BT

1330 Excavation of "roadway" area continues. The trackhoe is decontaminated and is sitting outside the exclusion zone awaiting pickup. — BT

1538 Bob Tolford departs to go to SLC 1 site for air sample collection, bagging, tagging + shipping. — BT

10 trackloads removed today - BT

Bob Tolford 11-3-04

Bob Tolford - CDM [signature]

SLC-2 / UPLYZ 11/4/04
DOT / VOLPE CDM - Bob Tolford
3rd West Substation

0630 Morning meeting. Discussion of day's work.
Weather: Clear, 30° — BT
Activities: Excavation material removal, excavation of "roadway", and area at SE corner of the capacitor yard. — BT
PPE: Level C. — BT
At morning meeting, Vince of R&R talked about the CAD diagram that will be generated to track progress of excavations + clearances. This will be given to Floyd Nichols at EPA, who wants a diagram showing clearance depths.
~~1825~~ ~~BT 11-4-04~~ — BT

0725 B. Tolford departs site to assist at SLC-1 site where I am serving double duty for a couple of days. — BT

0910 Return to site, roadway excavation is in progress, Excavated material from down in the process area is being brought up by trackhoe and staged for loading onto the trucks upon their return for their second loads of the day. — BT

0932 B. Tolford departs to return to SLC-1 site.

1432 Return to SLC2 — BT

1445 Spoke with Floyd (EPA) about getting R+R to provide him with CAD drawings showing excav-

Bob Tolford - CDM

SLC2-UPLYZ 11-4-04
DOT / VOLPE CDM - Bob Tolford
3rd west Substation

1445 (cont) ated and cleared sections of the property, and the depths attained.
1450 Depart SLC2 to return to SLC 1

9 truckloads removed today - BT 11-5-04

Bob Tolford 11-4-04

Bob Tolford - CDM

SLC2/UPLYZ 11/5/04
DOT/VOLPE CDM-Bob Tolford
3rd West Substation

0630 Morning meeting. Discussion of days work, yesterday significant amount of vermiculite encountered at edge of pit that is the old process area, both edge.
Weather: clear, 30°
Controlling document: Draft Final RAWP for Libby Asbestos project.
0645 Will collect air at North fence by the Water tank.

SLR2- 00505

Air pump # 666536 calibrated + 3.007 LPM average over 10 readings with Dry-Cal DC-Lite ~~S/N 11-9-04~~ S/N: 103349
0700 B. Tolford departs site for SLC-1
1635 Bob Tolford (myself) and Todd Burgesser returned to site at about 1400 and processed the air sample for Caroline (of R&R Environmental) to send along with her samples, to Reservoirs Env. in Denver. Todd acquainted himself with the site and various personnel. We departed SLC2 at about 1445 to return to SLC-1. ~~5+~~ Five truckloads of material had been removed from the site. Excavation continued along the "roadway". Done for the day.
Bob Tolford - CDM

SLC2-UPLYZ 11/8/04
DOT Volpe CDM-Todd Burgesser
3rd West Substation

0630 - Morning Meeting: Discussed the days planned activities. Armando had hits in his personal air on Friday but below the PEL. → TB 11/8/04
Weather 45° over cast → TB 11/8/04
Goo Plan: Final Draft RAWP for Libby Asbestos site. → TB 11/8/04
Activities: Soil Removal
0700 - Went through electrical safety training with Utah power.
0705 - Weather update: the wind is starting to pick up. The ground is drying out and they will be spraying water for dust suppression.
1000 - Excavating crew is taking a break. A total of 5 truckloads of soil removed from the site so far.
1105 - Floyd Nichols w/EPA on site to review what has been completed to date. Floyd and Vince went to know about the hold up on data.
1150 - Off site for lunch.

Todd Burgesser 11/8/04

SLC2-UPLYZ 11/8/04 cont
DOT-Volpe CDM-Todd Burgesser
3rd West Sub Station

1250: Back from lunch. Weather is partly cloudy, and breezy 50°F. Excavation continues with the second round of trucks being loaded. → TB 11/8/04.
1350 While observing trucks being loaded, I informed Vince (Champion) that the plastic typically used to drape the side of the truck was missing. They halted ops and placed the plastic on the truck. → TB 11/8/04.
1400 - Significant dust created while digging a large chunk of concretes Exc is using H_2O to knock the dust down.
1430 - Weather condition are windy now. On truck #9, the liner inside of the truck bed flew up as the load was dropped. The result is the liner is in the bottom of the truck now.
1700 - Exit Site for the day

Todd Burgesser 11/8/04

SLC2-UPLYZ 11/9/04
DOT-VOLPE CDM-Todd Burgesser
3rd West Subdivision

0630 Morning safety meeting. Topics include preparing for cold weather that will be coming. → TB 11/9/04.

0645- Conversation with Vince from R&R indication is that I will need to take clearance samples this morning. → TB 11/9/04
Weather is Rainy, cloudy 45°.

1200- Observed a total of seven truck loaded and moved off site.

1347- Prepare to collect 2 samples for clearance along the "driveway" area. The samples are as follows.

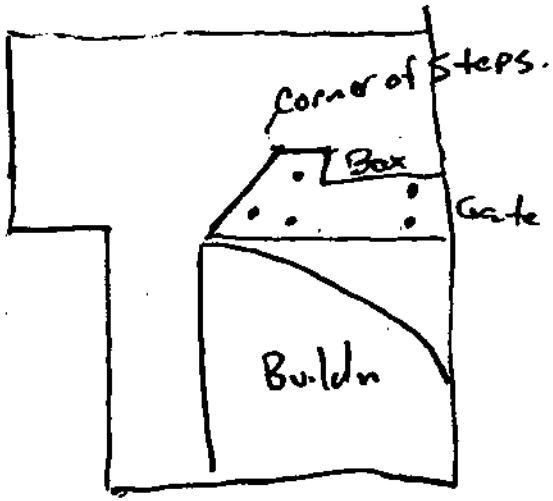
SLR2- 00506
TB 11/9/04
~~SLR2- 00507~~ Voided by T. Burgesser
TB 11/9/04 sample not collected.
→ 11/8/04 TB →

The sample locations are described on the next page 109 →

Todd Burgesser
11/9/04

SLC2-UPLYZ 11/9/04
DOT - Volpe
3rd West Subdivision Todd Burgesser

1415 Collected SLR2-00506
5pt composite sample on the old Road. See map below for details.



Sample SLR2-00506 placed on FSDS # S-000020 TB 11/9/04

1450 Completed filling in COC # 000118. 000119

1515 Packaged sample to shipment to Reservoirs for 24 hour TAT on Airbill 847924000230 → TB 11/9/04

1700- Exit site for the day →

Todd Burgesser
11/9/04

110

SLCZ-UPL42 11/10/04
DOT-Volpe CDM-Todd
3rd West Subdivision Burgesser

0630- Safety Meeting - topics included use of the sucker truck. → TB 11/10/04

0700- late entry - from 11/9/04. A total of 7 truck loads were removed from the site yesterday.
Weather: 50° Sunny, little wind.
PPE- level C when sampling.
Level D when outside hot zone.
Gov Plan: Final SAP for RAWP Libby Asbestos Project.
Activities: Monitor excavation.
the VAC truck arrived on site to excavate around the vault, near the energized portion on the site.

0900 T. Cook on site to discuss progress. I will be adding the R&R location IDs to the "FSDS" to make the transition between CDM locations and R&R location easier. → TB 11/10/04

1100 - Continue to monitor excavation. The excavation today was limited to the large pit on the Southeast

Todd Burgesser 11/10/04

SLCZ-UPL42 11/10/04
DOT VOLPE CDM
3rd West Subdivision Todd Burgesser

Cont: Corners of the site with the large trackhoe. Additional excavation was performed on the east side of the switch house. Rubble and other various materials (constituents) were encountered. No clearance samples collected today. The large pit on the southeast corner may be ready for sampling on Thursday 11/10/04. Champion will start pouring concrete blankets across the site to prevent freezing in the morning. A total of 10 truck loads were removed from the site today.

1630 - Exit site for the day

Todd Burgesser
11/10/04

SLC2-UPL24 11/11/04
DOT-VOLPE COM Todd Burgesser
3rd West Subdivision

0700 Safety meeting: talked about slip trips & falls with the rain overnight and continuing for the next several days, Slippery conditions are likely.
Weather 45° and Rain (1/4") all day
PPE: Level C when in the containment zone.
Level D when outside of containment.
Go Plan: Final SAP for RAWP Libby Asbestos Project:
0730 Discussed with Vince (R&R) the likelyhood of pulling clearence samples from the Eastern edge of the pit on the ~~northeast~~ south east end of the site. → TB 11/11/04.
0800- Conversation with Vince from R&R. The plan is to sample the Eastern half of the Pit area the dimensions are approximately 60' x 120' A total of 4 samples are planned in this area

Todd Burgesser

SLC2-UPL24 11/11/04
DOT-VOLPE COM Todd Burgesser
3rd West Subdivision

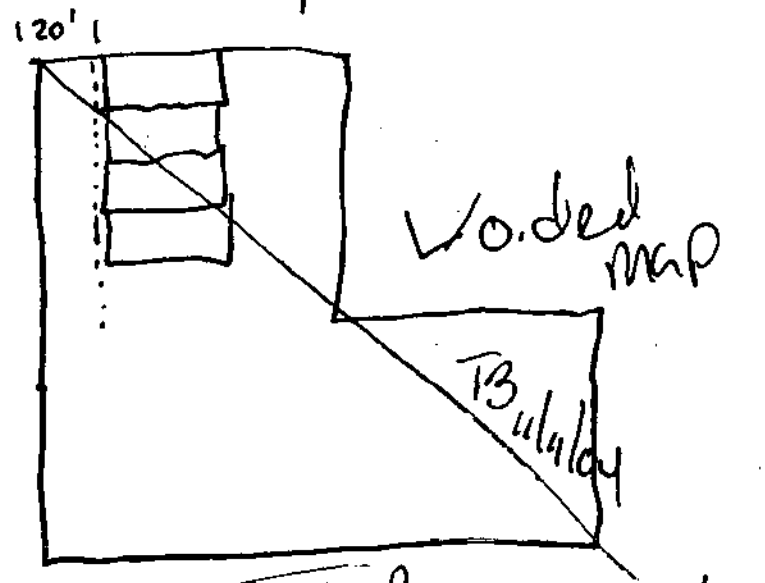
The sample IDs are as follows.

~~SLR2-00508~~ TB 11/11/04 VOID AG 11/17/04 → TB 11/11/04

SLR2-00509 TB 11/11/04

SLR2-00510 TB 11/11/04

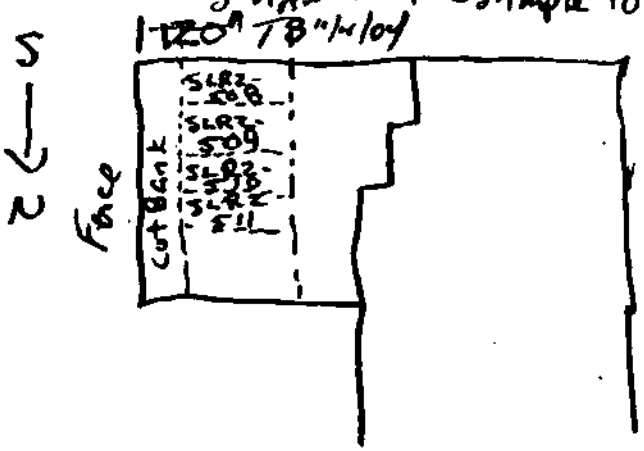
SLR2-00511 TB 11/11/04 → TB 11/11/04



Todd Burgesser 11/11/04

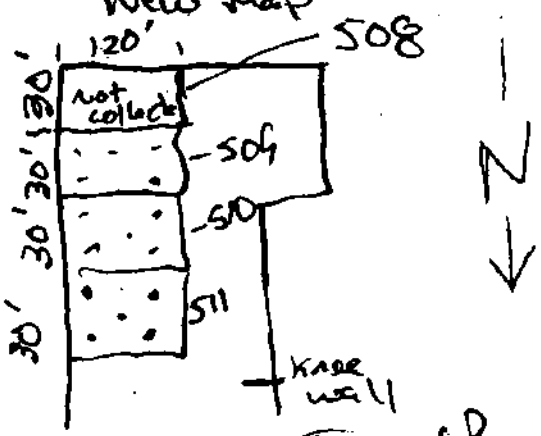
SLCZ-UPLYZ 11/11/04
DOT-Volpe Todd Burgesser
3rd West substation CDM

0830 cont The following map shows ~~sh~~ TS 11/11/04 sample location.



1030 SLRZ-00508 not collected because of visible vermiculite next to the knee wall.

New map



Todd Burgesser 11/11/04

SLCZ-UPLYZ 11/11/04
DOT Volpe Todd Burgesser
3rd West Subdivision.

1035: Sample SLRZ-00509 collected 5pt composite from Area approx. 30 off N Fence to 60' of fence and on east fence to 60' East.

1045 Sample SLRZ-00510 collected 5pt composite from area aprox. 60' of N fence to 90' off fence and on E fence to 60' east.

1055 - Sample SLRZ-~~00510~~ TS 11/11/04 00511 collected by 5pt composite in area approx. 90' to 120' of north fence and on east fence in 60'.

Filled out FS DSS-000021.
Filled out COC 120.
SLRZ-00508 not collected due to visible vermiculate. →
Deviation from work plan on 650 ft sample area due to the large area sampled.

1130 - Sign over log book to T-cook and exit site

Todd Burgesser 11/11/04

SLC2/UPLYZ 11/11/04

DOT/VOLPE

3RD WEST SBST Thomas Cook

1550 - T. Cook onsite. Work here has stopped for the day due to an electrical storm! No further entries

LATE ENTRY
BY T. Cook 11/12/04
0755: 10 trucks loaded and hauled from the site.

Thomas Cook

Location SLC2/UPLZ Date 11/12/04

Project Client DOT/VOLPE

3RD WEST SBST Thomas C Cook

0720 - T. Cook arrives onsite. Did not attend health & safety meeting. The soil here is very wet due to the amount of rain the valley has received. Todays activities will be to continue loading trucks. In addition R&R will be making an entry into the crawlspace beneath the basement of the switch house. It has been deemed as a confined-space entry.

- Guidance document is the final draft RAWP (sampling procedures). The work plan being followed is an R&R document, lib by Amphibole Asbestos Cleanup work plan.

Weather: Rainy ~47°F

PPE: Interior level C, exterior level D.

- Today I will be collecting a replicate sample from the R&R sample is the south (P2).

- Calibrate SLC pump 691378 with DPYCAL 103349 to 3.03 L/min

0755 - Start SLR2-00512 on R&R P2 loading

0800 - Cook offsite to SLC1

Thomas Cook

Location SLC2/UPLYZ Date 11/12/04

Project/Client DOT/VOLPE

3RD WEST SUBSTATION THOMAS COOK

1325 - T. Cook ONSITE TO CHECK ON PUMPS AND PROGRESS. PUMP IS STILL RUNNING AND CHAMPION IS MAKING PROGRESS ON THE NW SIDE OF THE YARD, CONTINUING TO LOAD TRUCKS. — [illegible]

1340 T. Cook OFFSITE TO SLC1 — [illegible]

1508 - T. Cook RETURNS TO SITE TO STOP PUMPS — [illegible]

1509 - STOP AND POST CALIBRATE SCR2-00512, SEE FSDS SA-157 FOR ADDL INFO SAMPLES REC ON COC 121. — [illegible]

* NINE TRUCKS LOADED TODAY, PROGRESS MADE ON NE SECTION OF SITE. — [illegible]

1530 T. Cook OFFSITE. —

[illegible]

Location SLC2-UPLYZ Date 11/15/04

Project/Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

WEATHER: 50°, clear

AUTHOR: ANDY GORDON

ACTIVITIES: Soil excavation

PPE: Level C inside, D outside

Final RAWP for Libby Asbestos Project

0730 Arrive onsite. Excavation continues on N. end of east yard. — AG

0900 Depart site for SLC1 to pick up laptop and talk to Tommy Cook.

0940 Return to site. Trucks still loading. — AG

1115 Enter containment for closer look @ progress made since I was here last.

1150 Exit containment. Crew on lunch break.

1500 Rec'd call from J. Montera to be picked up in Midvale. Depart site. — AG

[illegible] R. [illegible]

ANDY GORDON 11/15/04

SLC2-UPLYZ 11/16/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: Mid-50's°, clear skies —— AG
AUTHOR: ANDY GORDON —— AG
ACTIVITIES: Continue loading + excavation of NE yard. —— AG
PPE: Level C inside, D outside. —— AG
Final RAWP for Libby Asbestos Project
0730 Arrive onsite. Email site update for 11/15 to contacts. —— AG
0930 J. Montera arrives @ site to view progress. Jeff informs me of an LA fiber found in S. perimeter air sample taken last week during vacuum operations around S. transformer next to the switch house. Joyce Ackerman onsite as well. —— AG
1130 Send Floyd (EPA) an email estimating that 13,000 yds. of soil have been removed so far and that excavation (gross) should be complete within two weeks. Also commented that I believe the LA fiber found in the south perimeter samp last week was due to insufficient dust supression allowed under energized portions of the site.
1210 Depart site to take Jeff to the airport.
1235 Return to site. Vac truck being moved back to SW side of site. —— AG
Andrew R. Gordon 11/16/04

SLC2-UPLYZ 11/16/04 cont.
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

Vacuuming continuing south of roadway on east side of control (switch) house.
1645 Depart site for day
10 truckloads today.

Andrew R. Gordon
ANDY GORDON 11/16/04

Location SLC2 - UPLYZ Date 11/17/04

Project / Client DOT/VOLPE CDM: ANDY GORDON

3. W. SUBSTATION

WEATHER: ≈ 50°, Clear skies. AG

AUTHOR: ANDY GORDON AG

ACTIVITIES: Continued loading + excavation of soil from NE yard. AG

PPE: Level C inside, D outside AG

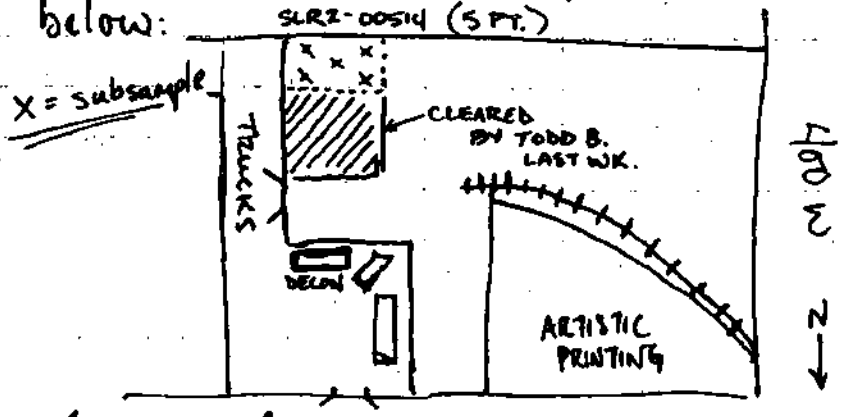
Final RAWP for Libby Asbestos Project

0830 Arrive @ site. Morning trucks still loading. AG

1030 Configuring laptop to regain access to CDM network. AG

1130 Send site update email for 11/16 SLC2.

1500 Crew finishes vacuuming out area in SE corner of site. I will be able to take a confirmation sample as outlined below:



AG 11/17/04

100 S.

Location SLC2-UPLYZ Date 11/17/04 cont.

Project / Client DOT/VOLPE CDM: ANDY GORDON

3RD W. SUBSTATION

Sample #SLR2-00514 will be another 5pt. composite. Details on FSDS# S-000022. This sample was originally going to be taken as SLR2-00508 by T. Burgesser so consider 508 voided. AG

SLR2- 00514

AG 11/17/04

1520 Enter contamination to collect above sample. AG

1545 Exit contamination and create COC# 100122 for shipping SLR2-00514 to Reservoirs for 24 HR. TAT. AG

Sent on FedEx airbill #847924000322.

1645 Depart site for day.

ANDY GORDON 11/17/04

SLC2-UPLYZ 11/18/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

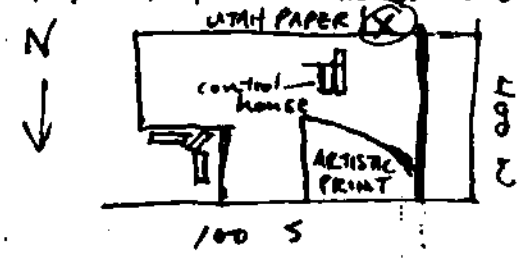
WEATHER: ≈ 45°, clear skies — AG
AUTHOR: ANDY GORDON — AG
ACTIVITIES: Continued excavation of NE portion of site and loading trucks. — AG
PPE: Level C inside, D outside. — AG
Final RAWP for Libby Asbestos Project.
0820 Arrive onsite. Trucks still being loaded. Utah Power personnel are onsite to survey where they are going to put in the grounding grid underneath the roadway. Also, the access hole to the control house crawlspace will be cut today. — AG
0915 Utah Power personnel reroute the power from the capacitors (east of control house) so VAC work can continue. — AG
1200 Crawlspace access hole is cut. — AG
1615 Workers offsite. 10 truckloads left site today. Depart site.

ANDY GORDON

SLC2-UPLYZ 11/19/04
DOT/VOLPE CDM: ANDY GORDON
3RD W. SUBSTATION

WEATHER: ≈ 40°, overcast — AG
AUTHOR: ANDY GORDON — AG
ACTIVITIES: Continue excavation + loading of soil from NE portion of site. ~~Also, the work will continue around/under capacitor yard.~~ — AG
PPE: Level C inside, D outside
Final RAWP for Libby Asbestos
0735 Arrive onsite. Calibrate pump #626602 for the following sample: — AG

SLR2- 00515 Perimeter air sample taken as per the map:
AG 11/19/04



⊗ = sample

BLANK
SLR2- 00516
AG 11/19/04

These samples created on FSDS # SA-158

0812 Start SLR2-00515 — AG
1030 Send site update to contacts and results for SLR2-00514 came back TR for LA.
11/19/04

SLC2-UPLYZ 11/19/04 cont.
DOT/VOLPE
3RD W. SUBSTATION

1315 Champion deconing loader. 6 truck loads left site today.
1415 All workers offsite and leaving for the day. —— AG
1443 Stop SLR2-00515 —— AG
1445 Post calibrate pump and pack up SLR2-00515, 516 for shipment to Reservoirs on COC #000123 and FedEx airbill #847924000333. —— AG
1500 Depart site for airport.

ANDY GORDON 11/19/04

SLC2-UPLYZ 11/22/04
DOT/VOLPE
3RD W. SUBSTATION

I, THOMAS E. COOK, WILL NOW HAVE CONTROL OF THIS LOGBOOK AND WILL BE PERFORMING OVERSIGHT ACTIVITIES OF THIS SITE (SLC2) AND SLC1. —— TEC
0730 - ARRIVE ONSITE, FIELD WORKERS ARE HAVING HEALTH AND SAFETY MEETING AND DISCUSSING DAY'S ACTIVITIES —— TEC
WEATHER: ~40° F (HIGH) TODAY & CLEAR.
PPE: LEVEL C INSIDE, LEVEL D OUTSIDE.
TODAY'S ACTIVITIES WILL BE CONTINUING TO EXCAVATE ON NE SIDE AND LOAD TRUCKS. HAD MORE, THE VAC TRUCK WILL BE USED BENEATH THE CANOPY (OUT OF ARTISTIC PRINTING) SINCE IT IS DE-ENERGIZED. —— TEC
0800 - OFFSITE TO SLC1. —— TEC
0830 - BACK ONSITE TO DISCUSS HEAVY SCHEDULE AND ANY DAY'S CHANGES. - TEC
0930 - LEAVE SITE FOR SLC1 —— TEC
1330 BACK ONSITE. THERE IS A MEETING ONGOING WITH EPA, PACIFICORP, R&R, AND REPS FROM LOCKHEED DISCUSSING EXCAVATION WORK IN THE LA QUINTA PARKING LOT. - TEC
- NO DECISIONS OR SCHEDULES HAVE BEEN MET. - TEC

Location SLC2-UPLYZ Date 11/22/04

Project/Client DOT/UDOE

THOMAS E. COOK - AUTHOR

1530 - OFFSITE FOR DAY, 8 TRUCKS REMOVED FROM SITE. — JC

- NO ADDITIONAL ACTIVITIES - GOING TO SLC1

Location SLC2-UPLYZ Date 11/23/04

Project/Client DOT/UDOE

THOMAS E. COOK - AUTHOR

0730 - T. COOK ONSITE, HEALTH & SAFETY MEETING ALREADY HELD @ 0700. TODAYS ACTIVITIES ARE TO CONTINUE NE EXCAVATION AND TRUCK LOADING. ADDITIONALLY VACUUM WORK BENEATH CAPACITOR. — JC

GROUNDING DOC - FINAL RAWP FOR LUDY ASBESTOS PROJ.

PPE INTERIOR LEVEL C, EXTERIOR LEVEL D.

WEATHER - CLOUDY ~ 40°F — JC

- CALIBRATE SKC 62GGC2 WITH DRY-CAL 103349 TO 3.03 L/MIN — JC

0803 - START SLC2-00517 ON N PERIMETER BY R&R #P1 SITE — JC

0810 - BACK TO SLC1 — JC

1330 - RETURN TO SITE. EXCAVATION CONTINUING ON NE AREA. VINCE W R&R IN CONTAINMENT TO OBSERVE SOIL EXCAVATION. HE FOUND A HIGH LA CONCENTRATED/ROCK SAMPLE ON EASTERN SIDE OF AREA BENEATH THE CAPACITOR.

1445 - UTAH POWER CREW FINISHED LAYING GROUNDING GRID AND CONNECTING TO NORTH TRANSFORMER. — JC

Location SLC2-VPLYZ Date 11/23/04

Project / Client DOT/Volpe

Thomas E. Cook - Author

1540 - Stop and post calibrate SLR2-00517. Assign SLR2-00518 as field blank. See FSAS SA-159 for add'l info. Sample rec on COC 124. —— JC

1555 - Depart site for SLC1. No more entries.

Location SLC2VPLYZ Date 11/24/04

Project / Client DOT/Volpe

Thomas E. Cook - Author

0730 - T. Cook arrives onsite. Crew already had health & safety meeting and are preparing to enter —— JC containment. Same excavation area in NE area. Vacuuming under capacitor and using hoe to pull material from under cap to truck loadout. Should be ready to sample on Monday. —— JC

0840 - Cook offsite to SLC1 then on road to Bozeman, MT

Intentionally Blank

Location SLC2-UPLYZ Date 11/29/04

Project DOT-VOLPE Weather: sub freezing breezy

3rd West Substation Bob Tolford-CDM

1400 B. Tolford arrives on site for oversight work.

1420 Excavation is ongoing to the ~~west~~ east of the Southern transformer area) using vacuum rig. Track hoe is excavating to the west of the area that is inside the truck-loading gate. Work at excavating did not get underway until after noon due to frozen conditions. Trucks were sent away empty when it became evident that no loading would take place. Excavated soil is staged for loading. (BT)

1605 Operations have ceased for the day and the crew is draining water hoses + securing equipment.

Intentionally Blank

Bob Tolford-CDM

Location SLC2-UPLYZ Date 11-30-04

Project DOT-VOLPE Weather - sunny 25°

3rd West Substation Bob Tolford-CDM

0770 Morning meeting at 0705, discussed icy conditions. Snow and ice melting off walls during the day, forms pools of ice overnight. Soil structural conditions ~~change~~ change making for weaker conditions along the edge of excavations. (BT)

Author: Bob Tolford (BT)

Activities: Excavation and removal of soil material (BT)

Controlling document: Final MWP for Libby Asbestos Proj.

PPE: Level D outside exclusion zone, Level C inside exclusion side (BT)

0755 Trucks are being loaded with soil from yesterday's excavation.

5948 Last truck + trailer load for the morning run has been loaded, covered, and has left the site. Dust suppression appeared effective as the wet soil, though emitting "steam" in the cold air did not emit visible dust. (BT)

1127 Vaccuum rolloff container was swapped out in the past hour. (BT)

Excavation in the norther part of the south-east area continues. (BT)

1145 B. Tolford departs for lunch (BT)

Bob Tolford-CDM

SLC2-UPLYZ 11-30-04

DOT-VOLPE Sunny 30°

3rd West Substation B. Tolford - CDM

1505 Ten truckloads (including their trailers) of excavated material have been removed from the site. Excavation with trackhoe continues to the west of the loading area, as well as from the east side of the South transformer (using the vacuum rig) — BT

1520 B. Tolford leaves to go to SLC1 site briefly.

1555 Return to SLC2 — BT

1650 Depart site for the day. — BT

intentionally blank Bob Tolford

Bob Tolford - CDM Bob Tolford

SLC2-UPLYZ 12-1-01

DOT-VOLPE

3rd West Substation B. Tolford - CDM

0730 Morning meeting. Discussion on slippery conditions. Excavation + truck loading will take place.

Author: Bob Tolford — BT

Controlling document: Final RAWP for Libby Asbestos Proj.

PPE: Level C in exclusion zone. Level D outside exclusion zone. — BT

0900/955 At 0900, I accompanied Vince (R&R) to the clear area at/near the southwest side of the Artistic Printing building to measure some UPL structure. I offered to assist by holding the "Zero" end of the measuring tape — BT

1130 Depart for lunch — BT

1245 Return to site — BT

1255 Excavation today has included the area to the west of the truck loading area, and is moving north towards the north fence (trackhoe). Excavation along the eastern side of the south transformer area is on going. Many fist-size and larger pieces of rock + concrete have been encountered.

1628 Ten (10) truckS of excavated material ~~has~~ BT 12-1-01 have left the site today. More material has been staged for removal.

B. Tolford departS for the day. — BT

Bob Tolford - CDM Bob Tolford

Location SLC2-UPLYZ Date 12-2-04
Project/Client DOT-VOLPE Bob Tolford-CDM
3rd West Substation Clear, 19°

0730] Morning meeting at 0710. Discussion on moving carefully under icy conditions. Decisions will be made today on strategies for working around cleaned sections of the site.

Author: Bob Tolford

PPE: Level C in exclusion zone.

Controlling document: Final RAWP, Libby Asbestos site.

0837] Vince Rumney and I suit up in level C to go into exclusion zone to mark off two areas for confirmation sampling later today. Both areas are on either side of the N-S trending concrete conduit wall. The eastern section is along, the and south of the fence (which is adjacent to decon trailer), and north of the deepest excavation by about 5-10'. The other section is west of the conduit wall, north of the capacitor yard, and east of orange fencing that runs from a point: (at ~~north~~ North end of cap yard, and along east face of AP building line extended south). I hope that my land surveyors language does not confuse the reader. There is a sliver of land* between this latter area, and the area recently cleared to the north of cap yard, and south of AP building (Sample SLR2-00506 see p. 109 in this book).

Bob Tolford-CDM

*This sliver is yet to be cleared by vacuum. It is where conduit pipe had been breached.

Location SLC2-UPLYZ Date 12-2-04
Project/Client DOT-VOLPE Bob Tolford-CDM
3rd West Substation Sunny 25°

1038] David Wilson has arrived and has been briefed on current situation. Vermiculite has been consistently found underground, right up next to concrete walls + footings. The trackhoe will be going down into the lowest part of the excavation to cut a trench into the upper excavation that is along the north side of the lower excavation. Additionally, trackhoe will dig down 1 foot deeper in the deepest excavation, running west to east from the deepest excavation's NW corner, just south of the vault.

1115] Floyd ~~Sullivan~~ Nichols (EPA) arrived several minutes ago; I briefed him on what's been going on. Joel is down in the low area, has staged the rubble/rocks (from vacummed area to west of process area/east of cap/transformer yard), and is ready to trench the aforementioned area to north of low excavation and/or the low area to east of vault.

1145] Joel has excavated towards the north; Vince was with him and was able to see that vermiculite extended no farther down than one foot from the upper level to the north. Joel excavated a little more along north end of east side of concrete conduit "wall".

Bob Tolford-CDM

Set SCC2-UPLYZ 12-2-04
DOT/VOLPE Bob Tolford - CDM
3rd West Substation

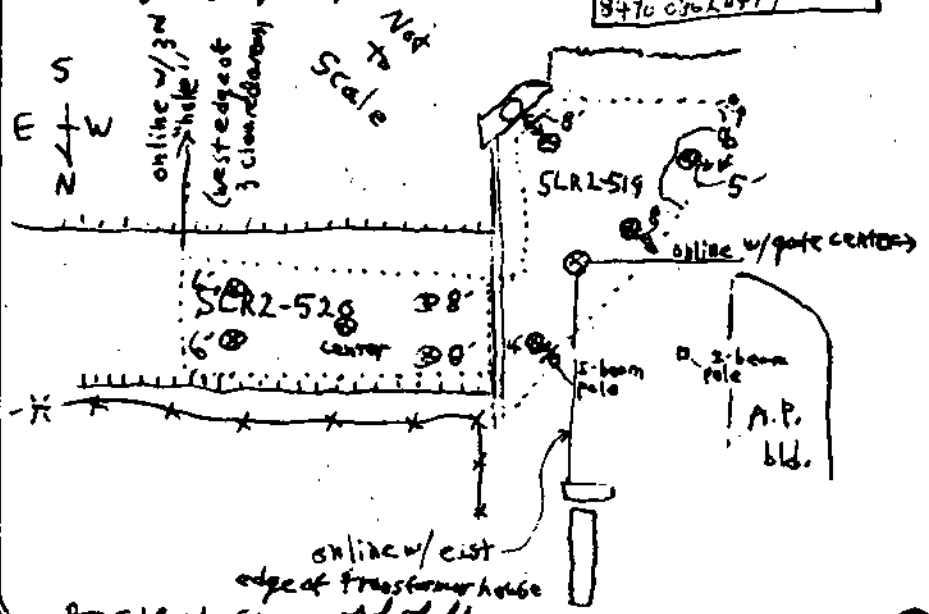
1200 B. Tolford breaks for lunch — BT
1305 Return to trailer at site — BT
1335 I prepare clean trowels + bags to go collect 5 pt. composites at the areas discussed on pg. 136 of this log book.
1350 collect 5 point composite on west side of conduit "wall".

SLR2- 00519 SLR2-00519
BT 12-2-04 5 point composite
black line — BT

1400 collect 5 point composite on east side of conduit wall.

SLR2- 00520 SLR2-520
BT 12-2-04

COC# 125
FSDS# S-000023
8470 C302 0477



Bob Tolford - CDM

SLC2-UPLYZ 12-2-04
DOT/VOLPE Bob Tolford - CDM
3rd West Substation

1550 Work at site done for the day, 5 truckloads of material removed (as planned due to meeting to plan strategy for further removal of/ excavation of material

Intentionally Blank

Bob Tolford - CDM

Location SLC2-UPLYZ Date 12-3-04

Project/Client DOT-VOLPE Bob Tolford

3rd West Substation clear 20°

0715 | Morning meeting. Concrete walls will be washed down in the old process building area. Caution will be employed in directing water from the hoses, not to allow stream to angle toward electrical equipment. — BT

Author: Bob Tolford — BT

PPE: Level C, in exlusion zone. Level D outside.

0742 | Begin air sampling next to R&R's air sampler at North fence just west of water tank. Unit was calibrated to 3.03 LPM. Samp#: SLR2-522.

SLR2- 00522 1 — Air sample - north fence
BT 12-6-04 — Pump ID#: 626602

SLR2- 00522 2 — Blank air sample, time: 0735
Fed Ex Airbill # 847924000414

FSDS # 160
COC # 126

0905 | Checked air pump. It is running ok.

1000 | Crew has been hosing down east face of wall (concrete) at west side of deepest excavation. Air pump running fine — BT

1143 | Air ~~pump~~ pump is running fine — BT

1258 | Air pump # 666536 is borrowed by Brian Pyles who stopped by. He needs it at SLC1 as one of his pumps is malfunctioning.

Bob Tolford - CDM

Location SLC2-UPLYZ Date 12-3-04

Project/Client DOT-VOLPE

3rd West Substation

Note | Lunch was had by all from 12 noon until 1300. Chili was served at the trailer.

1343 | Pump (air) is still ok. Crew is relocating fence along NE corner to accomodate NE excavation. — BT

1402 | Stop the air pump. Site activities have ceased in the exclusion zone. — BT

Intentionally Blank

Bob Tolford - CDM

Location SLC2-UPLYZ Date 12-6-04
Project Client DOT-VOLPE CDM-Bob Tolford
3rd West Substation Clearing Sky, 20°

0715 Morning meeting. Decon mat was not unrolled Friday before leaving site. It ~~wet~~ (BT 12-6-04) was rolled up wet after decontaminating and is now frozen solid. Crew is using a heater to thaw it out. The "loading trucks" have been sent away for today. Vacuum rig will ~~start~~ vacuum excavation pending return of a rolloff container for the excavated material. The container used last was filled to capacity. ~~and~~ (BT 12-6-04)

1038 Stacy from Reservoirs lab just called me to say that she "had volume" on the sample that I had labelled as a blank, and that the sample I had labled as the sample from outside (SLC2-00522, with 1142 liters of air having passed through) showed virtually nothing. These samples are documented on p. 140 of this logbook. I have made corrections to the 2 members in this logbook, pink copy of chain of custody, and the FSDS. — (BT)

COC #: 126 FSDS SA-160 — (BT)

1008 It has just come to my attention that the trucks that have been hauling material ("material removal", essentially) will not be paid for further until Pacificorp's VP in charge of this operation, and

Bob Tolford - CDM

Location SLC2-UPLYZ Date 12-6-04
Project Client DOT-VOLPE CDM-Bob Tolford
3rd West Substation Sunny, 25°

Dave Wilson of Pacificorp figure out how to continue paying for this project. Vacuum rig operations are not affected and will continue later today. — (BT)

1445 No vacuuming took place today; the crews conducted some general preventive maintenance and general housekeeping. There was no work inside the exclusion zone. — (BT)

1530 Crew ~~[illegible]~~ (BT 12-6-04) left site about 1500, B. Tolford goes to SLC1 site to talk with Brian Pyles.

Intentionally Blank
Bob Tolford

Bob Tolford - CDM

Location: SLC2-UPLYZ Date: 12-7-04
Project/Client: DOT/VOLPE CDM: Bob Tolford
3rd West Substation Breezy - clear, 30°

0730 Morning meeting at 0710. Lock to parking lot chain/cable gate was found cut this morning. There was a Utah Jazz game last night at the Delta Center. Someone probably sold parking spots here for the game. Crew will be vacuuming out the sliver of ground surface, see pg. 136 towards the bottom for description of this small area. — BT

PPE: Level C inside exclusion zone. — BT

Author: Bob Tolford — BT

0945 Vacuum rig now has a container to transfer material into. Crew is working the ground in the capacitor yard. — BT

1110 B. Tolford goes to FedEx to ship CDM laptop to Atlanta, Then will break for lunch.

1245 B. Tolford returns to site. — BT

1400 Vince Ramney (R&R) suits up in level C to go into lower excavation to flag the excavation that took place on 12-2-04 (see logbook entry on page 137, 1145 am) This excavation is just to the south of the area cleared by the analysis of sample # SLC2-520 (see diagram on page 138 of this logbook) I will go collect a 5-point composite sample in the newly-flagged area when Vince is finished. — BT

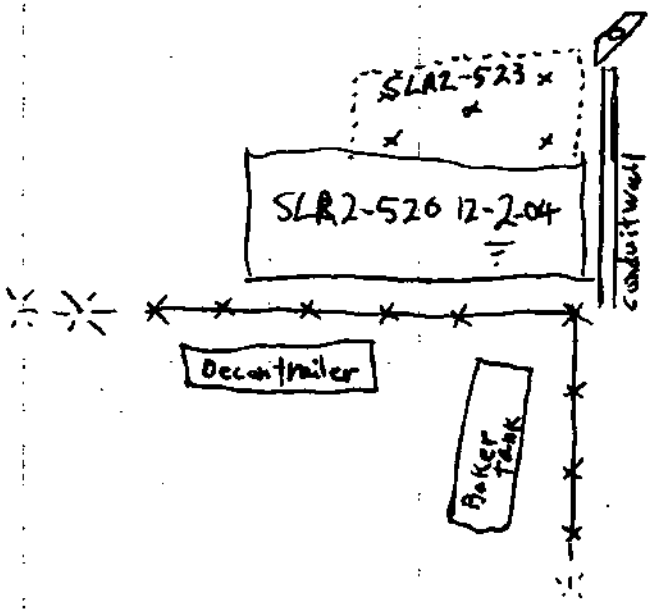
Bob Tolford - CDM

Location: SLC2-UPLYZ Date: 12-7-04
Project/Client: DOT/VOLPE CDM: Bob Tolford
3rd West Substation Breezy ~~clear~~ cloudy, 30°

1445 Collect SLR2-00523, a 5-point composite surface soil (0-2" bls) for PLM analysis by Reservoirs Environmental in Denver, CO.

SLR2- 00523

FSDS#: S-00024
Coc# 000127
FedEx Airbill # 8479 2402 2726



1625 Onsite activities done for the day. B. Tolford departs site for the day + takes sample to FedEx.

①

12/8/04

Weather - 30's - Sunny
Activities: Soil Removal
PPE: Level C, Level D
Gov Doc. Final SAAP for RAWP for
Libby Asbestos Site.
1400 Arrived @ site. Soil Removal on suspension
until further notice from Pacificorp. Contract
disputed + Money disputes.
1500 left site

12/8/04

(2)

12/7/04 3rd West Substation B. Pyles

Weather ~ Sunny 30°

Activities ~ Soil Removal Level C

Gov Doc. Final SAAP for RAWP for Libby Asbestos Site.

1400 - Workers Removing soil from loading area. Excavator out of containment and moved containment to load trucks.

7 trucks out today.

1500 left site

B. Pyles

(3)

12/10/04 3rd West Substation B. Pyles

Weather ~ Sunny 30°

Activities ~ Soil Removal

Gov Doc, Final SAAP for RAWP for Libby Asbestos Site.

Changing out excavators today, Vac truck work around capacitor bank.

1400 arrived @ site.

1430 left site

B. Pyles 12/10/04

(4)

12/13/04 3rd West Substation B.R./05

1230 Arrived on site. Continuing Soil Removal and Vacuming of materials around east capacitor bank.

1400 left site.

B. R/05

(5)

12/14/04 3rd West Substation B.R/05

1000 Arrived @ site. Workers continuing Soil Removal + Vacuming ~~[illegible]~~ around capacitor bank.

Note: Noticed that No boundary around trucks while loading. Told R+R + Champion and boundary was put up. I expressed to R+R about the importance of boundary and they said OK. Also noticed worker in staging area with No PPE under excavator while working (No hard hat). R+R was their and didn't do anything until I mention something.

1100 left site

B. R/05 12/14/04

(6)

12/15/04 3rd West Substation B. Pyles

1500 Arrived @ Substation. Last of truck hauling dirt today. Again No boundary around trucks. Said something to R+R again, they seemed put out by it but said something to Champion and they set up boundary again. H+S very laxed now. See housekeeping + Safety is terrible. Workers moral terrible.

• 1530 left Site.

[signature] 12/15/04

7

12/16/04

1200 Had meeting with Floyd Nichols about scheduling of oversight. He does not feel the need for oversight full time. Work is winding down and all that is needed is sampling. Also discussed with him the H+S + housekeeping issues with R+R + Champion

1300 meeting one.

1600 Arrived @ site. No one here. Done for day.

[signature] 12/16/04

8

12/17/04 3rd west Substation B Ryles

1330 Arrived @ site. No activities going on at this time. They have completed soil removal and are still working on vacum removal around capacitor Bank.

1400 left site.

12/17/04

9

12/20/04 3rd West Substation B. Ryles

0800 arrived @ site. Vacum work around substation area. Will complete area SE of artistic Printing. The Sliver is what they are calling it. Will sample this area + load out area tomorrow.

1230 lunch

1400 back onsite. Workers continue vacuming. Went into Containment to inspect railroad spur are @ eastside of Containment. Pic were taken previously and showed visible vermiculite areas. Sent to EPA the pics.

- R+R wanted results for all soil samples Requested from Tommy Cook. Waiting for results.

12/20/04

12/21/04 3rd West Substation B. Pyles

0800 Arrived @ Site. R+R on case again about results. Issues with the location of barries came up. I was under the understanding that all areas of trace ~~ver~~ LA were ~~to~~ have physical barriers. R+R was not, they said only a couple of areas (that did not pass criteria) that needed to have barries. I called Floyd Nichols to confirm. He was with my understanding, but David Wilson was under the other (R+R) we had them talk and it was decided with RR situation.

Collected soil samples in following locations:

1/13/05 3RD WEST SUBSTATION

THOMAS E. COOK - AUTHOR -

1100, I THOMAS E COOK ARRIVE ONSITE @ THE UTAH POWER & LIGHT, 3RD WEST SUBSTATION TO COLLECT CONFIRMATION SAMPLES AND TO CHECK PROGRESS — TEC

WEATHER - SUNNY, APPROX 35°F. — TEC

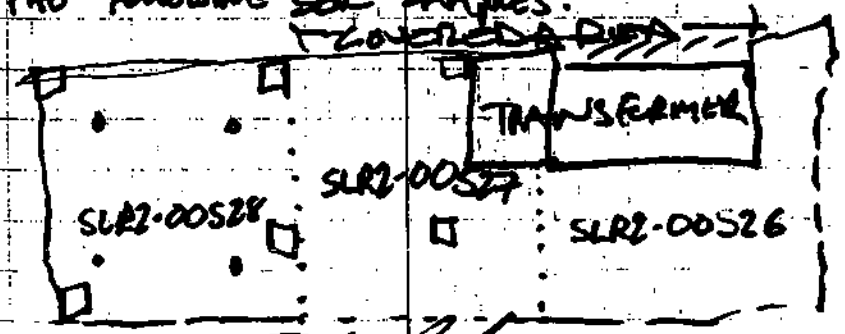
PPE - OUTSIDE ZONE LEVEL D, INSIDE LEVEL C.

GUIDANCE DOC: SOIL SAMPLES TO BE COLLECTED IAW THE FINAL DRAFT PAWP FOR THE LIBBY ASBESTOS PROJECT (NOV 2003) — TEC

- PROGRESS SINCE B. PYLES LEFT - EXCAVATION BENEATH TEC 1/13/05 WITHIN THE CAPYARD (NORTH OF TRANSFORMER, EAST OF SWITCH HOUSE) IS COMPLETED. PERFORMED VISUAL INSPECTION AND DID NOT SEE VERMICULITE. ONLY A FEW FLAKES HERE AND THERE.

1230 - LUNCH, 1330 RETURN FROM LUNCH

1340 - RE-ENTER CONTAINMENT. COLLECT THE FOLLOWING SOIL SAMPLES:



1352 Collect SLR2- 00526 — 9SC

1356 Collect SLR2- 00527 — 9SC

1359 Collect SLR2- 00528 — 9SC

* SEE MAP on PAGE 11 FOR SAMPLE LOC.
SEE FSDS S-00026 FOR ADDL INFO

1415 EXIT CONTAINMENT — 9SC
RECORD SAMPLES ON COC-000129 — 9SC

1530 - CHAMPION WORK CONTRACTOR EXITING CONTAINMENT — 9SC
- PROCESS TODAY: VACUUM ROCK FROM SOUTHERN EDGE OF SWITCH YARD — 9SC

1600 - LEAVE SITE FOR FED EX.
- NO MORE ENTRIES

THOMAS E. COOK - ARTHUR

0650 - ARRIVE ONSITE.

0700 - HEALTH AND SAFETY MEETING WITH R&R AND CHAMPION CONSTRUCTION. —
- NO SAMPLES TO BE COLLECTED TODAY — 9SC.

0745 CREW IS GOING INTO CONTAINMENT.

0850 - ENTER CONTAINMENT. CHAMPION USING BOBCAT TO SCRAPE UP SOIL, THEN REMOVE WITH VAC TRUCK HOSE. OBSERVED TWO WORKERS WITHOUT SAFETY GLASSES — NOTIFIED R&R — 9SC.

0945 - CHAMPION IS GOING ON BREAK SO I LEAVE CONTAINMENT — 9SC

1030 - CHAMPION CREW GOING BACK IN — 9SC

1100 - ATTEND CONFERENCE CALL FOR LIBBY PROJECT — 9SC

1230 - LEAVE SITE FOR AIRPORT — 9SC
- NO MORE ENTRIES FOR THIS SAMPLING TRIP

1/31/05 — AG

AUTHOR: A. GORDON — AG

WEATHER: Sunny & approx. 45°F

Final Draft Rawl Libby Asbestos Project (Nov. 2003) — AG

10:30 Arrive @ site. Updated on progress since last visit by C. Jung (R+R) + J. McCrae (Champion) — AG

1100: Depart site for food. — AG

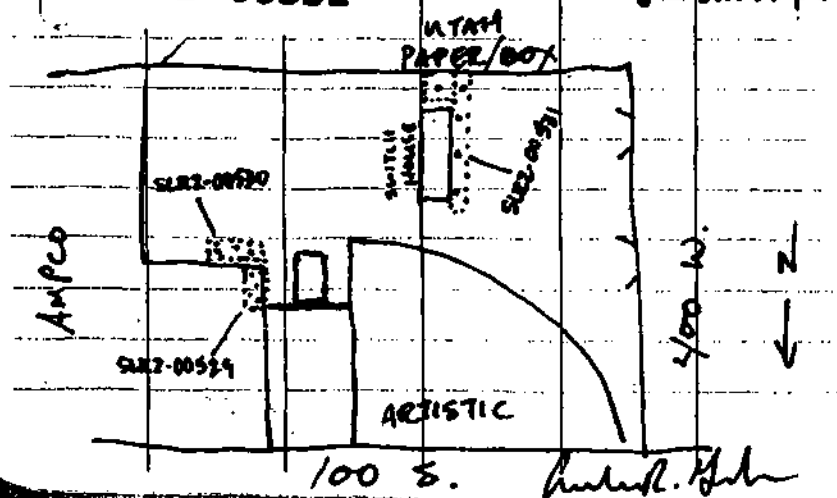
1115 Return to site. Create the following samples on FSDS #S-00027:

AG 1/31/05
SLR2- 00529

AG 1/31/05
SLR2- 00530

AG 1/31/05
SLR2- 00531

• — subsample



1200 PPE: Level D outside, Level C inside containment. Enter site to collect samples. — 1/31/05 — AG

1223 Collect SLR2-00531 (switch house perimeter) — AG

1245 Collect SLR2-00529 — AG

1254 Collect SLR2-00530 — AG

1300 Collect sample of raw material from vein heading north and east under north parking lot for R+R.

1325 Create COC # 080130 for overnight FedEx to Reservoirs. (Samples: SLR2-00529, 530, 531) — AG

To be sent on airbill # 849740533630

1400 Depart site for airport. No further entries.

AWAY GORDON 1/31/05

3/8/05 — 3/8/05 — AG

A. GORDON - AUTHOR — 3/8/05 — AG

WEATHER: 50°F, calm, sunny

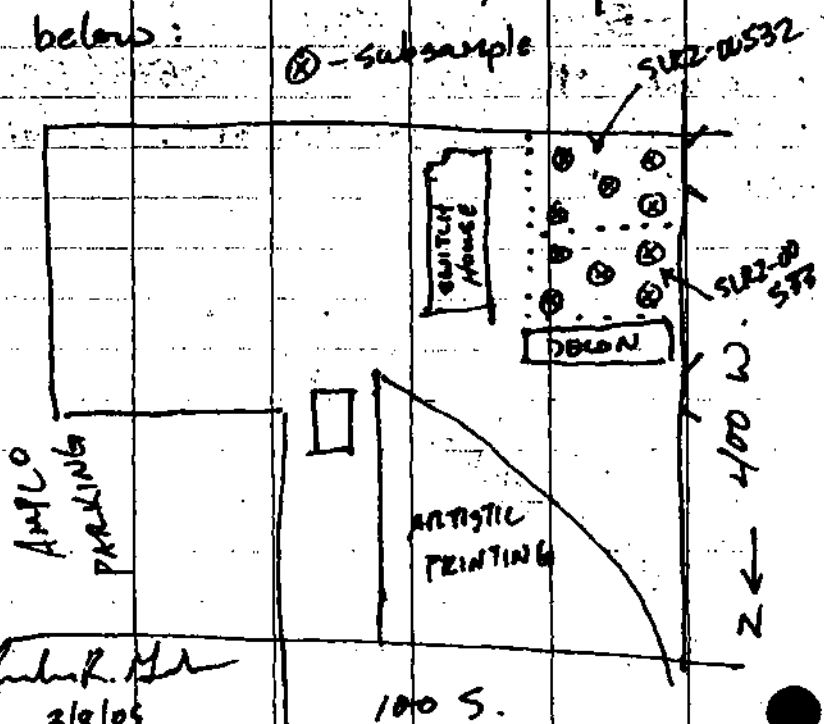
Final Draft RAWP Libby Asbestos Project 11/2003 — 3/8/05 — AG

1045 Arrive onsite. Examine area to be sampled. — AG

1120 Create following samples:

SLR2- 00532	SLR2- 00533
AG 3/8/05	AG 3/8/05

on FSDS# S-00028, Samp location below:



3/8/05

1150 Enter site to take final clearance samples - no visible vermiculite on surface.

1200 Collect sample #SLR2-00532.

1210 Collect sample #SLR2-00533.

1215 Exit site. Create COC# 000131 to FedEx samples to Res on airbill #847924002612 for 6 HR. TAT.

1305 Depart SLC2 to drop off CDM supply tote and clearance samples @ FedEx.

ANDY GORDON 3/8/05

TARGET SHEET

EPA REGION VIII

SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1008490

SITE NAME: VERMICULITE INTERMOUNTAIN

DOCUMENT DATE: 06/01/2005

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☑ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☐ TYPES OF DOCUMENTS NOT TO BE SCANNED
  (Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX L CD OF ANALYTICAL DATA AND SITE PHOTOGRAPHS

Contact the Superfund Records Center to view available document.
(303) 312-6473