Memorandum

To: *Mike Cirian, P.E., EPA Onsite RPM*
Elizabeth Fagen, P.E., EPA RPM

From: *Terry Crowell, CDM Smith Project Scientist*

Date: *April 9, 2013*

Subject: *OU4 Outdoor Ambient Air Sampling Program for Libby Asbestos Superfund Site, April 2013 – March 2014*

Outdoor ambient air in operable unit (OU) 4 of the Libby Asbestos Superfund Site in Libby, Montana has been evaluated in past years through a U.S. Environmental Protection Agency (EPA) air sampling program. The initial program, implemented from October 2006 through June 2008, employed a series of 14 sampling stations positioned spatially throughout the OU. That sampling was conducted in accordance with the *Final Revision 1 Sampling and Analysis Plan for Outdoor Ambient Air Monitoring at the Libby Asbestos Site, Operable Unit 4* (Ambient Air SAP) (EPA 2006), with results summarized in the *Final Summary of Outdoor Ambient Air Monitoring for Asbestos at the Libby Asbestos Site* (EPA 2009).

From May 2010 through April 2011, the EPA resumed outdoor ambient air sampling at six fixed locations along major transportation corridors within OU4 (CDM Smith 2010).

From May 2011 through April 2012, OU4 ambient air sampling continued at four of the original six transportation corridor stations and one new station (for a total of five fixed locations), with the purpose of gathering ambient air data within the core of OU4. In addition, a mobile station was added to gather ambient air data in areas where removal activities were occurring throughout the 2011 field season (CDM Smith 2011).

Most recently, from May 2012 through July 2012, the OU4 ambient air monitoring program included five fixed stations along major transportation corridors within the OU, as well as a mobile station placed near removal activities for a minimum two-event period throughout the 2012 field season (CDM Smith 2012). A sixth fixed station (933 Farm To Market Rd) was added in August 2012 to capture more southerly ambient air conditions within the OU. The 1675 MT Highway 37 location was moved to an alternative location (1799 MT Highway 37) in November 2012 due to property access issues. These location and schedule changes were captured in the approved Libby Field Record of Modification #LFO-000176.

In April 2013, CDM Smith will implement EPA's OU4 ambient air sampling program under Response Action Contract Number EP-W-05-049, Work Assignment Number 342-RICO-08BC (Task 3 – Field Investigation/Data Acquisition). Sample collection for this program will continue through March 2014. The current program will include three fixed locations representing northerly, southerly, and westerly ambient air conditions within OU4.

Sampling Locations

The 2013-2014 ambient air sampling program will employ three fixed sampling stations and one, "on-demand" mobile station. These stations are described below and depicted on Figure 1:

- L2 represents 32000 US Highway 2, located northwest of Libby approximately 1.4 miles from the intersection of US Highway 2 and MT Highway 37.
- L4A represents 1799 MT Highway 37, located northeast of Libby approximately 3 miles from the intersection of US Highway 2 and MT Highway 37.
- L8 represents 933 Farm To Market Road, located south of Libby approximately 4.3 miles from the intersection of US Highway 2 and MT Highway 37.
- M1 represents the mobile station. It is currently planned that the mobile station will only be used if ambient air concerns arise in general areas where EPA removal activities are in progress. If the EPA determines that ambient air concerns need to be addressed, an exact location will be determined by CDM Smith in consultation with the EPA. The mobile station will remain in place for a minimum of two sampling events, regardless of on-going removal activities.

The three remaining fixed sampling stations will no longer be included in the 2013-2014 program. However, these three stations will remain connected (i.e., hard-wired for electricity) and will be inspected on a monthly basis with maintenance, as necessary, by CDM Smith to ensure operability. It is currently planned that these "inactive" stations may be used to support ambient air sampling during wildfire events, as determined by the EPA. These stations are as follows:

- L3 represents City Service Road in the vicinity of Riverside Park. Located off MT Highway 37, approximately 0.6 miles from the intersection of US Highway 2 and MT Highway 37.
- L5 is positioned at 60 Port Boulevard, north of the CDM Smith Project Office close to the entrance road to the Kootenai Business Park. This location is approximately 0.9 miles from the intersection of US Highway 2 and MT Highway 37.
- L7 represents the median between the eastbound and westbound lanes on Lincoln Boulevard at the intersection of Lincoln Boulevard and Mineral Avenue. This location is approximately 0.2 miles from the intersection of US Highway 2 and MT Highway 37.

Pre-sampling Activities

The in-place equipment shelters will be used for the three fixed sampling locations. The shelters are generally placed on the east or west side of buildings (or obstacles, as applicable), approximately 15 feet away from outer walls to reduce building interference with wind patterns and allow the samples to be exposed to the dominant northwest to southeast air patterns in the Kootenai valley. For the mobile station, following the case-by-case selection and approval of locations, CDM Smith will coordinate with property owners regarding access, set up of sampling equipment, and the sampling schedule.

The equipment and supplies needed to continue the OU4 ambient air sampling program through March 2014 are either available in CDM Smith inventory or will be procured by CDM Smith. Electrical cost reimbursements to property owners (for powering the sampling equipment) have been completed for all previously used stations requiring reimbursement. No reimbursements are anticipated to be required (either now or in future) for the three active, one mobile, and three inactive stations.

Prior to sampling in April 2013, a field planning meeting update will be conducted to ensure all CDM Smith personnel involved in ambient air sample collection and analysis understand the program requirements. The CDM Smith sample coordinator will also contact the Libby laboratory coordinator (Environmental Assistance Sampling Team [ESAT]) regarding sample analysis requirements and anticipated turnarounds times for this program.

Data Collection

The current ambient air sampling program will follow all equipment calibration, sample collection, field documentation, equipment decontamination, investigation-derived waste handling, quality assurance/quality control (QA/QC), sample custody and handling, and analytical procedures contained in the Ambient Air SAP (EPA 2006), with the following exceptions:

Section 4.2 Field Documentation: Documentation (e.g., field sample data sheets [FSDSs], logbooks) will not be sent to Volpe Center personnel for data entry or retention. The current version of the Libby Stationary Air FSDS will be used. The current version of EPA's Libby data management requirements for Scribe reporting will be implemented. Field logbooks are controlled items managed by CDM Smith administrative personnel and signed out by the sampler prior to sample collection.

Section 4.2.3 Sample Labeling and Identification: For consistency and retrievability of data, samples will be identified using the same sample identification format as used previously. This format is: AA-#####

Where: AA = ambient air

= a sequential five digit number

Sample labels are controlled items managed by CDM Smith administrative personnel and signed out by the sampler prior to sample collection.

To ensure that samples are properly analyzed or archived by the CDM Smith sample coordinator/broker, the 'Sample Location Description' and 'Sample Type' fields on the FSDS will be used to summarize the sample classification in the following format:

Sample Location Description	Sample Type	Sample Description
AA-HV-05	FS (field sample)	Ambient air field sample collected approximately 5 feet above ground surface at the ***higher*** flow rate
AA-LV-05	FS (field sample)	Ambient air field sample collected approximately 5 feet above ground surface at the ***lower*** flow rate
AA-CO-HV-05	FS (field sample)	Ambient air co-located sample collected approximately 5 feet above ground surface at the ***higher*** flow rate
AA-CO-LV-05	FS (field sample)	Ambient air co-located sample collected approximately 5 feet above ground surface at the ***lower*** flow rate
AA-Blank	LB (lot blank)	Ambient air lot blank
AA-Blank	FB (field blank)	Ambient air field blank
AA-Blank	DB (prep dry blank)	Ambient air preparation drying blank

The field QC samples listed in the table above are discussed in the QA/QC section of this memorandum.

Section 4.3.1 Selection of Outdoor Ambient Air Sampling Locations: Samples will be collected at each of the three locations discussed previously in this document. Reference samples from offsite locations will not be collected. Weather data will be downloaded daily during each day of ambient air sampling by CDM Smith Denver Geographic Information System support staff using the National Oceanic and Atmospheric Administration station LBBM8, located at 1263 MT Highway 37 (Libby fire cache). Weather data will be compiled and provided promptly (within a few days) following each event via email (Excel file) to the ambient air investigation team leader, who will ensure the files are posted to the CDM Smith Libby Field eRoom. The coordinates for LBBM8 are:

Longitude	Latitude
-115.539080941	48.403632031

4.3.2.1 Collection Interval and Flow Rates: The continuous 5-day (approximately 120-hours) collection interval prescribed in the Ambient Air SAP will be followed to ensure a target volume of 14,000 liters per high flow sample and 10,500 liters per low flow sample is gathered. Each 5-day period is referred to as a "sampling event." One high flow rate and one low flow rate sample will be collected over the same period of time during each sampling event at each station using target flow rates of 2.0 and 1.5 liters per minute, respectively. The low flow rate sample is intended to serve as a backup if the higher flow rate sample is overloaded or damaged; thus, the low flow rate sample will initially be archived unless the primary sample is determined unsuitable for analysis. Flow rate checks will be conducted twice daily in conjunction with equipment/filter checks (see Section 4.3.2.2 bullet below). It should be noted that sampling flow is not interrupted during flow rate checks and therefore does not impact sample collection. Similar to the previous OU4 ambient air sample collection, recommended flow rates and sample times may be adjusted to ensure the appropriate cassette filter loading needed to achieve the preferred sample preparation (i.e., direct prep) and analytical sensitivity goals.

4.3.2.2 Sampling Schedule: From May 2013 through October 2013 (the full months of the 2013 field season), sampling will occur twice per month. This schedule will focus on days when EPA removal activities are in progress (typically Monday through Friday). Sampling will occur once monthly during April 2013, and November 2013 through March 2014. This will result in a total of 18 sampling events, as presented in the accompanying schedule. Sampling equipment will be checked twice daily during sampling days to ensure proper operation, and cassette filters will be observed for any obvious signs of overloading. For high volume samples, if visible loading is observed on a sample filter or if decreased flow is noted due to filter plugging, the collection of that sample will be concluded and the sample marked for archive following the filter drying step (see Section 4.3.3 item below). The corresponding low volume sample will continue to be collected for the full sampling event period and submitted for analysis. A single sample cassette per flow rate per station will be collected during a sampling event. No reference samples from offsite locations will be collected.

Section 4.3.2.3 Filter Type – Pore Size: Samples will be collected solely using 25-millimeter diameter, 0.8-micron filter pore size cassettes. No samples will be collected on cassettes with a 0.45-micron filter pore size.

Section 4.3.2.4 Sample Height: Samples, including field and co-located samples, will be collected solely from a height representing the adult breathing zone (approximately 5 feet above ground surface). No child-height samples will be collected.

Section 4.3.3 Chain-of-custody Requirements: Chain-of-custody records (COCs) will be produced using current project data management tools in accordance with the current version of the EPA Libby Data Management Plan. A copy of the revised 2010 ambient air sampling analytical requirements summary sheet will accompany each COC (**OU4AA-0310 Revision 1**) The COC will clearly designate samples for either analysis or archive, as well as the appropriate media code

from the analytical requirements summary sheet for each sample. All high flow rate samples will reference the sample ID of the corresponding low flow rate sample on the COC using the LVID column, which displays the Scribe Samples.SampleParentID. In the case where a high flow rate sample is deemed overloaded or damaged, the low flow rate sample listed on the COC will be analyzed (if loading is within project parameters). These analysis request changes will be documented using the process described in Section 5.1 below, with no revision of the originating COC. It is anticipated that CDM Smith will relinquish all high and low flow rate samples to the project-contracted onsite asbestos analytical laboratory for initial filter drying and analysis. If the onsite laboratory is not available for filter analysis, the ESAT laboratory coordinator will designate an alternate laboratory to perform the analysis after the onsite laboratory has performed the initial filter drying.

Section 4.6.2 Collection of QA/QC Field Samples: The current ambient air sampling program will employ a field blank collection frequency of one per event at one random sampling location, to be collected on the final day of the event. Co-located samples will be collected on a rotation basis, meaning that co-located samples will be collected at the first station for the first event, collected at the second station for the second event, etc. This ensures that co-located samples are representative of all the stations, and not just one or two.

Section 5.1 Analytical Methods: The ESAT laboratory coordinator will designate the analytical laboratory and provide coordination between all laboratories handling the OU4 ambient air samples. Upon analysis, in the case where a high flow rate sample is deemed overloaded or damaged, the laboratory will analyze the archived low flow rate sample referenced on the COC in the LVID column which displays the Scribe Samples.SampleParentID. An EDD of the overloaded high flow rate sample will be sent as notification for the laboratory coordinator to update the Scribe Analysis.AnalysisStatus. In the event the low flow rate sample is also deemed overloaded or damaged, the laboratory will contact the laboratory coordinator for further direction.

Section 5.4 Laboratory Custody Procedures and Documentation: The EPA will procure the analytical laboratories supporting the current ambient air sampling program and establish laboratory custody procedures and documentation.

Section 5.5 Documentation and Records, and Section 5.6 Data Management: The EPA will coordinate with the analytical laboratories regarding reporting requirements and results distribution; however, CDM Smith will facilitate this process to the extent possible. CDM Smith will provide all field documentation electronically (e.g., using eRoom), as directed by the EPA.

Section 6.0 Assessment and Oversight: Volpe Center personnel will not be involved in the assessment and oversight process. CDM Smith will communicate directly with the EPA regarding quality issues/corrective actions. It is anticipated that one field audit will be conducted by qualified CDM Smith QA staff during the current ambient air program. Every effort will be made to schedule the audit towards the beginning of the sampling program to mitigate any issues early on.

Section 7.0 Data Validation and Usability: Volpe Center personnel will not be involved in the data validation and usability process. No data review, validation, or verification, or data quality objectives assessment by CDM Smith is scoped for this data collection effort.

Site-specific SOP for the Collection of Outdoor Ambient Air Samples (CDM Smith-LIBBY-14, Revision 1), Section 5.3.2: Sampling Protocol procedure #6 is modified as follows: "At the end of the sampling period, orient the sample cassette downward, do not remove the sampling cassette from the sampling train. Turn the pump off." Note: based on the sample collection setup implemented in 2010 where the sampling cassette is placed up to 15 feet away from the pump, it is impracticable to orient the cassette upwards while simultaneously turning off the pump. Therefore, sample cassettes will be oriented downward (standard sample collection orientation) when the pump is turned off.

Quality Assurance/Quality Control

QA/QC will be maintained by CDM Smith for the duration of the current ambient air sample program through several processes.

First, CDM Smith will ensure that procedures described in the Ambient Air SAP (EPA 2006) and this technical memorandum are followed and that any issues potentially affecting data quality are promptly reported to the EPA via daily observation/impact (DOI) memoranda. Samples will be checked twice daily to ensure that equipment is operating properly and that no obvious overloading of cassette filters is occurring. All sample checks will be duly noted in the field logbook.

Second, field documentation, including FSDSs, logbook information, and DOI memoranda, will be reviewed for accuracy and completeness prior to distribution. If errors are found, field documentation will be revised by the author using a single strikeout, initial, and date, with the correct information entered in close proximity to the erroneous entry. CDM Smith will ensure revised field documentation is circulated to the appropriate receiving parties and project repositories.

Third, field deviations from or clarifications to the guidance documents will be recorded using a DOI memorandum (for event-specific issues/changes) or a Libby Record of Modification Form for Field Activities (for programmatic issues/changes). Both forms are available in the Ambient Air SAP (EPA 2006).

Fourth, three types of field QC samples will be collected: lot blanks, field blanks, and co-located samples. The field will also submit one preparation drying blank (unused cassette) per event for the purpose of laboratory QC. The Ambient Air SAP (EPA 2006) includes descriptions of each of these QC samples; however, the following collection and analysis frequencies, which are consistent with previous OU4 ambient air sampling, will be employed:

Field QC Sample	Collection/Analysis Frequency
Lot blank	1/500 field samples (per LFO-000106)
Field blank	1/event at one random sampling location, to be collected on the final day of the event (per LFO-000150)
Co-located sample	1 at both flow rates (high and low) at one sample location/event (refer to Section 4.6.2 for selection of the one sample location)

Last, it is anticipated that all laboratory QA/QC requirements applicable to the specific samples collected under this technical memorandum will be in effect, per the Ambient Air SAP (EPA 2006) or as specified by the analytical requirements summary sheet.

Reporting

As it becomes available, the ambient air data may be obtained via subscription from the Libby Scribe project database. Final reporting (i.e., production of a summary report) will be coordinated through and provided by EPA.

References

CDM Smith. 2010. Technical Memorandum (original), OU4 Outdoor Ambient Air Sampling Program for Libby Asbestos Superfund Site, 2010-2011. October 1.

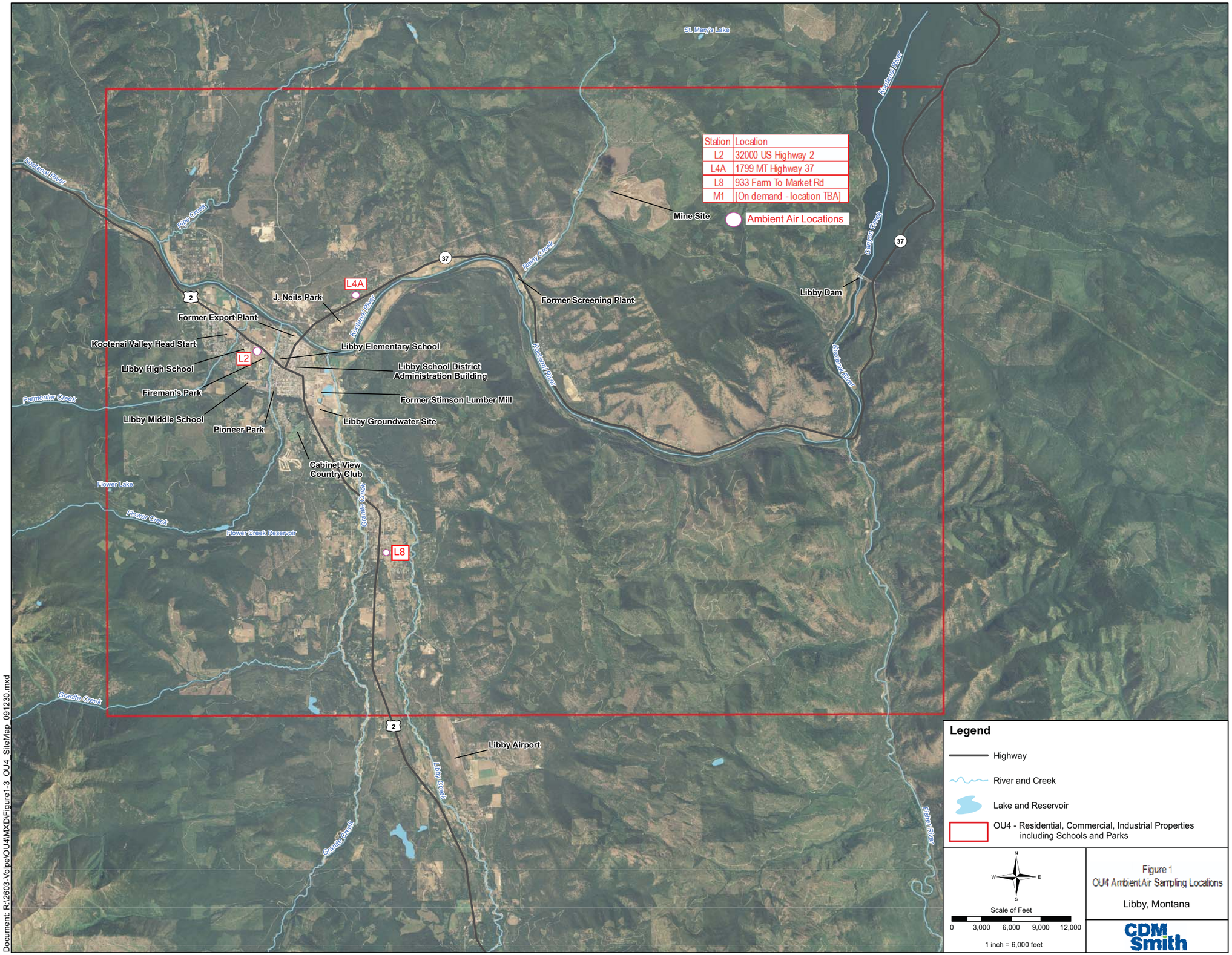
_____. 2011. Technical Memorandum, Revision 1, OU4 Outdoor Ambient Air Sampling Program for Libby Asbestos Superfund Site, 2011-2012. June 20.

_____. 2012. Technical Memorandum, Revision 2, OU4 Outdoor Ambient Air Sampling Program Libby Asbestos Superfund Site, for 2012-2013. April 24.

EPA. 2006. Final Sampling and Analysis Plan for Outdoor Ambient Air Monitoring at the Libby Asbestos Site, Revision 1, OU4, Libby, Montana. December 7.

_____. 2009. Final Summary of Outdoor Ambient Air Monitoring for Asbestos at the Libby Asbestos Site. December 17.

cc: Tommy Cook, CDM Smith Site Manager
Damon Repine, CSP, CDM Smith Health and Safety Manager
Karen Repine, CDM Smith QA Coordinator
Project File
Libby Field eRoom



Document: R:\2603-Volpe\OU4\MXD\Figure1-3_OU4_SiteMap_091230.mxd

Libby Asbestos Site, OU4
Ambient Air Sampling Schedule for April 2013 - March 2014

Station Name	Station Number	4/22	4/23	4/24	4/25	4/26	4/27	4/28	4/29	4/30	5/1	5/2	5/3	5/4	5/5	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/20	5/21	5/22	5/23	5/24	5/25	5/26	5/27	5/28	5/29	5/30	5/31	6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9
		M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU
32000 US Highway 2	L2	S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F															
1799 MT Highway 37	L4A	S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F															
933 Farm to Market Rd	L8	S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F															
Mobile Unit	M1																																																	

Station Name	Station Number	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28
		M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU
32000 US Highway 2	L2	S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F	
1799 MT Highway 37	L4A	S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F	
933 Farm to Market Rd	L8	S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F	
Mobile Unit	M1																																																	

Station Name	Station Number	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31	9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15
		M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU
32000 US Highway 2	L2								S	→	→	→	→	F									S	→	→	→	→	F																	S	→	→	→	→	F	
1799 MT Highway 37	L4A								S	→	→	→	→	F									S	→	→	→	→	F																	S	→	→	→	→	F	
933 Farm to Market Rd	L8								S	→	→	→	→	F									S	→	→	→	→	F																	S	→	→	→	→	F	
Mobile Unit	M1																																																	

Station Name	Station Number	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30	10/1	10/2	10/3	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	10/15	10/16	10/17	10/18	10/19	10/20	10/21	10/22	10/23	10/24	10/25	10/26	10/27	10/28	10/29	10/30	10/31	11/1	11/2	11/3
		M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU
32000 US Highway 2	L2								S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F									
1799 MT Highway 37	L4A								S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F									
933 Farm to Market Rd	L8								S	→	→	→	→	F									S	→	→	→	→	F									S	→	→	→	→	F									
Mobile Unit	M1																																																	

Station Name	Station Number	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30	12/1	12/2	12/3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	12/22
		M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W
32000 US Highway 2	L2								S	→	→	→	→	F																							S	→	→	→	→	F									
1799 MT Highway 37	L4A								S	→	→	→	→	F																							S	→	→	→	→	F									
933 Farm to Market Rd	L8								S	→	→	→	→	F																							S	→	→	→	→	F									
Mobile Unit	M1																																																	

Station Name	Station Number	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	1/11	1/12	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27	1/28	1/29	1/30	1/31	2/1	2/2	2/3	2/4	2/5	2/6	2/7	2/8	2/9
		M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W
32000 US Highway 2	L2																						S	→	→	→	→	F																								
1799 MT Highway 37	L4A																						S	→	→	→	→	F																								
933 Farm to Market Rd	L8																						S	→	→	→	→	F																								
Mobile Unit	M1																																																	

Station Name	Station Number	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M
		2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23	2/24	2/25	2/26	2/27	2/28	3/1	3/2	3/3	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30	3/31
32000 US Highway 2	L2	S	→	→	→	→	F																							S	→	→	→	→	F																	
1799 MT Highway 37	L4A	S	→	→	→	→	F																							S	→	→	→	→	F																	
933 Farm to Market Rd	L8	S	→	→	→	→	F																							S	→	→	→	→	F																	
Mobile Unit	M1																																																		

Notes:
Schedule is TBD for the Mobile Unit - schedule will be revised to include any sampling periods for the Mobile Unit once determined.
S = sample start day
F = sample stop day
--> = sample collection duration (6 days total)
Holiday or Project Shutdown Period - schedule will be revised to include additional project shutdown periods once determined.

CDM