SDMS Document ID
2009526

Memorandum

To: *Jeff Montera, Project Manager*

From: *Angela Frandsen, Quality Assurance Manager*

Reviewed by: *Krista Lippoldt, Quality Assurance Coordinator for EPA Region VIII RAC*

Date: *July 22, 2002*

Subject: *Libby CSS QAM checklist for 5/20/02 to 7/17/02*

The following summarizes the QA activities that are being verified weekly by the QAM for the Libby CSS. These activities are discussed in Section 7 of the CSS final SAP. This is the first memorandum completed since the field audit. Because this is the first memorandum, it covers the time period from the initiation of the CSS activities through July 17, 2002, a longer time period than will normally be covered from this point forward.

1. Field Team Orientation
   (QAM will attach the signature page for each orientation)
   Number of new field team members: 28
   Number of field team member orientations: 28 . See attached signature list.

2. Field Form Completion Checks (IFFs and FSDSs)
   (QAM will perform a 10% check on completed field forms sent to Helena for evidence that field team members are doing the required QC checks.)
   Number of IFFs completed: 713 as of 7/17/02
   Number of IFFs received in Helena: 583
   Number and percent of IFFs checked by the QAM for completeness and correctness: 69 (about 11.8%); 6 forms found missing field QC check signature or other information found missing (see attached list)
   Corrective Action: List of IFF forms with problems sent to CSS Task Leader for corrective action - see attached list for details on corrective actions taken
   Number and percent of IFFs checked by the CSS task leader for completion and correctness: CSS Task Leader looks at all forms the morning after they are turned in. However, the number has not been tracked to date. Starting 7/31/02, CSS Task Leader will begin to track the number of completed IFFs that are checked daily and will forward that information to the QAM.

Number of FSDSs completed: Over 1000. The exact number was not known because it is believed that some of the samplers discarded some of the numbered FSDSs, rather than returning them to the sample coordinators. The sample coordinators are in the process of resolving this issue and are reinforming the samplers that they must return any unused paperwork to the sample coordination team.

Number of FSDSs received in Helena: Forms 000001 through 000876 were received in Helena; however, the actual number is closer to 850 due to the tracking problem discussed above - not all forms were received consecutively

Number and percent of FSDSs checked by the QAM for completeness and correctness: 112 forms checked (13.2%); QAM noted that the field QC check was not initialed on 36 forms (32%). This was the only problem on forms CSS-000068, 86, 272; 402, 506, 667, 693, and 807. Forms CSS-000815 - 823 and 830 - 847 had more extensive problems, in that the "Completed By" and "QC By" field checks were not initialed, and many blanks were not filled in (primarily scenario, logbook, page number, and sampling team). However, the CSS Task Leader noted that this sequence of forms (815-823 and 830-847) were filled out by the sample coordinators to give to Todd Burgesser at the CDM Soils Laboratory so that information on preparation blank and duplicate samples would be captured on a FSDS as a mechanism for entry into the database. It was subsequently decided that Todd Burgesser would fill these out and fax them back to the sample coordinators. These FSDSs were voided.

Corrective Action Taken: List of FSDSs forms with problems sent to CSS Task Leader for corrective action - see attached list for details on corrective actions taken.

Number and percent of FSDSs checked by the CSS task leader for completion and correctness: CSS Task Leader looks at all forms the morning after they are turned in. However, the number has not been tracked to date. Starting 7/31/02, CSS Task Leader will begin to track the number of completed FSDSs that are checked daily and will forward that information to the QAM.

3. Supplemental verification of vermiculite product

(CSS field team leader to notify QAM by email if this occurs)

Number of occurrences of supplemental verification: None

Addresses of verifications: NA

4. Screening Field Checks

(CSS task leader will check 2% of all properties)

Total number of residences visited during time period: 713

Number and percent of screening field checks performed by task leader: 9 checks (1.3%), (BD-000093, 112, 135, 152, 300, 734, 917, 978, 1062)

Corrective Action: CSS Task Leader is aware she is behind, will be performing more frequent checks to make this up.

5. Field Audits

Field audit conducted when and by whom? June 18-19, 2002, by Angela Frandsen

6. Field QC Samples (May 20 through July 17, 2002)

Field duplicates (1/20)

Number of field samples collected: 2119
Number of duplicates collected: 110
Ratio: 1.04/20

Equipment blanks (1/day)

Number of days soil sampling occurred: 38
Number of equipment blanks collected: 38
Ratio: 1/day

Aqueous rinsates (1/day, 3 different weeks throughout field season)

Number of days expected to collect rinsates during the time frame: 6
Number of rinsates collected: 6
Ratio: 1/day
Next time period rinsates expected to be collected: Week of August 5, 2002
Total number of rinsates collected since sampling began: 6

Comments:

Preparation duplicates (1/20)

Number of samples prepared by the CDM laboratory: 738
Number of preparation duplicates collected: 38
Ratio: 1.03/20

Preparation blanks (1/day)

Number of days that samples were prepared by the CDM laboratory: 9
Number of preparation blanks collected: 9
Ratio: 1/day

Comments: The number of days that the samples were prepared in the CDM laboratory does not include days for sample drying time.

SEM/IR Splits (first 500 samples: 1/5 of IR ≤ 0.5%, 1/10 of IR > 0.5% and ≥ 1%)

Total number of samples ≤ 0.5%: None yet
Number and percent of SEM/IR splits: None yet
Total number of samples > 0.5% and ≥ 1%: None yet
Number and percent of SEM/IR splits: None yet

Comments: No laboratory yet under contract to perform soil analysis, either for IR or SEM. Anni Autio (laboratory coordinator) in charge of arranging this once laboratories are subcontracted.

7. Data Entry Checks (10% of Volpe data entry)

Number of data entries: None (no analytical results)

Number and percent of data entries checked: None (no analytical results - data entry to be checked after analytical data are uploaded into database)
Name of person(s) checking data entries: NA at this time

8. Data validation
Number of samples validated and reviewed and by whom: None, no analytical results yet
Number of sample results rejected: 0 out of 0

9. CDM Document Review
Documents issued to the client:
No documents issued to EPA since the Final SAP

Which ones required editorial review and was review conducted? NA

Which ones required technical review and was review conducted? NA

Which ones required QA review and was review conducted? NA

Field Record of Deviation/Request for Modification forms completed and sent to EPA for approval: Since the beginning of the CSS, forms 000033, 34, 35, 36, and 37 have been fully reviewed (technical and QA) and approved.

Overall comments:

The largest concern is that the laboratory is not under contract to begin IR analysis on the soil samples. Therefore, no samples have been analyzed yet. This will result in a delay in interpreting the results from the QA samples and implementing any potential fixes to the sampling program if any issues arise. Additionally, this will result in a delay in providing analytical results to the residents whose homes were sampled and making any remedial decisions.

cc: Jim Christiansen, EPA
Mary Goldade, EPA
Dee Warren, CDM
Dave Schroeder, CDM
Terry Keller, CDM
George DeLullo, CDM

CSS Orientation Program

Name	Office	Date	Signature
Dee Warren	Denver	5/8/02	Dee Warren
Noel Anderson	NJ	5/8/02	Noel Anderson
TOM VANDERWEEL	LONG BEACH	5/8/02	Tom Vanderweel
CHRIS WORTHINGTON	FAIRFAX	"	Chris Worthington
Brian Pyles	Piketon	5/8/02	[illegible]
Mike Coffelt	Oak Ridge	5-9-02	[illegible]
Terry Keller	Helena	5/8/02	[illegible]
Michael Grasso	Fairfax	5/8/02	[illegible]
Douglas J. Updike	K.C.	5/8/02	[illegible]
Tommy Cook	DENVER	5/8/02	[illegible]
Dave Schroeder	Fairfax	5/8/02	[illegible]
MARC SCHLEBUSCH	KANSAS CITY	5/29/02	[illegible]
Bob Alexander	Helena	5/29/02	[illegible]
Karen J Berry	Cambridge	5/29/02	[illegible]
Robert HUNT	Fairfax	6/10/02	[illegible]
Karin Mainzhausen	Helena	6/12/02	[illegible]
Albert Munoz	Carlsbad	6/12/02	[illegible]
Richard Eckler	Dallas-Ft	6/12/02	[illegible]
Don Kolowski	Syracuse	6-17-02	[illegible]
Brian Hilts	KC	6/17/02	[illegible]
Carrie Fingerett	Fairfax	6/17/02	[illegible]
Bob Tolford	Atlanta	7/9/02	[illegible]
Regina Clifford	San Diego	7/9/02	[illegible]
Kristin Sloane	Wayne	7/9/02	[illegible]
DANIELLE SAINT LOUIS	WOODSIDE	7/9/02	[illegible]
Robert Saikaly	Pittsburgh	7/9/02	[illegible]
WALTER SMITH	EL PASO, TX	7-9-02	[illegible]
AIMEE VESSELL	SYRACUSE, NY	7/16/02	[illegible]

IFFs that need to be corrected:

Period: 5/20/02 to 7/17/02

IFF BD#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
BD-000141	no property sketch - is an apartment, but the IFF where the property sketch is located should be referenced	Referance to original IFF number added to property sketch page of the IFF. S. Oliveria and T. Vanderweel informed of mistake and instructed to read IFF completion guidance	7/27/2002
BD-000157	IFF photocopy missing pages 3-5 - are these pages actually missing?	Pages are not missing. SEE FAX	NO ACTION
BD-000185	No QC check signature	C. Worthington - completed QC of sheet and informed of mistake. Instructed to re-read FIFF completion guidance documentation	7/27/2002
BD-000227	No logbook number or page recorded, yet was QC signed	As of 7-27-02 logbook number and page number on are the form. There is no indication of when this information was added. C. Worthington and M. Schlebusch informed of mistake and instructed to read IFF completion guidance	7/27/2002
BD-000386	p 2, number of children not circled	C. Worthington, M. Schlebusch - informed of mistake. CSS FTL re-vist house to get information as phone number has been disconnected. C. Worthington and M. Schlebusch informed of mistake and instructed to read IFF completion guidance	7/27/2002
BD-000480	p 5, no answer circled for presence of former miners or exposed persons	M. Schlebust - informed of mistake. Instructed to re-read FIFF completion guidance documentation	7/27/2002

FSDSs that need to be corrected:

Period: 5/20/02 to 7/17/02

FSDS CSS#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
CSS-000068	QC check not signed	M. Coffey - completed QC of sheet and informed of mistake. Instructed to re-read FSDS completion guidance documentation	7/27/2002
CSS-000086	QC check not signed	CSS FTL completed QC of sheet. Team member NOT on-site	7/27/2002
CSS-000272	QC check not signed	CSS FTL completed QC of sheet. Team member NOT on-site	7/27/2002
CSS-000402	QC check not signed	CSS FTL completed QC of sheet. Team member NOT on-site	7/27/2002
CSS-000506	QC check not signed	R. Eustice - completed QC of sheet and informed of mistake. Instructed to re-read FSDS completion guidance documentation	7/27/2002
CSS-000667	QC check not signed	M. Coffey - completed QC of sheet and informed of mistake. Instructed to re-read FSDS completion guidance documentation	7/27/2002
CSS-000693	QC check not signed	B. Hunt - completed QC of sheet and informed of mistake. Instructed to re-read FSDS completion guidance documentation	7/27/2002
CSS-000807	QC check not signed	R. Eustice and K. Sloane - completed QC of sheet and informed of mistake. Instructed to re-read FSDS completion guidance documentation	7/27/2002
CSS-000815	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000816	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000817	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000818	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000819	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN

FSDSs that need to be corrected:

Period: 5/20/02 to 7/17/02

FSDS CSS#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
CSS-000820	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000821	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000822	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000823	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000824	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet is complete. No issues found. SEE FAX. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000830	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000831	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000832	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000833	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000834	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN

FSDSs that need to be corrected:

Period: 5/20/02 to 7/17/02

FSDS CSS#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
CSS-000835	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000836	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000837	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000838	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000839	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000840	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000841	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000842	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000843	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000844	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000845	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN

FSDSs that need to be corrected:

Period: 5/20/02 to 7/17/02

FSDS CSS#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
CSS-000846	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN
CSS-000847	"Completed by" not signed, QC check not signed, and many blanks were not completed (e.g., scenario number, logbook number, page number, sampling team names)	Sheet originally intended to be used for a laboratory blank/duplicate, but completion of these sheets was shifted to responsibility of Todd Burgesser. SHEETS VOIDED 7-24-02. NO ACTION TAKEN	NO ACTION TAKEN

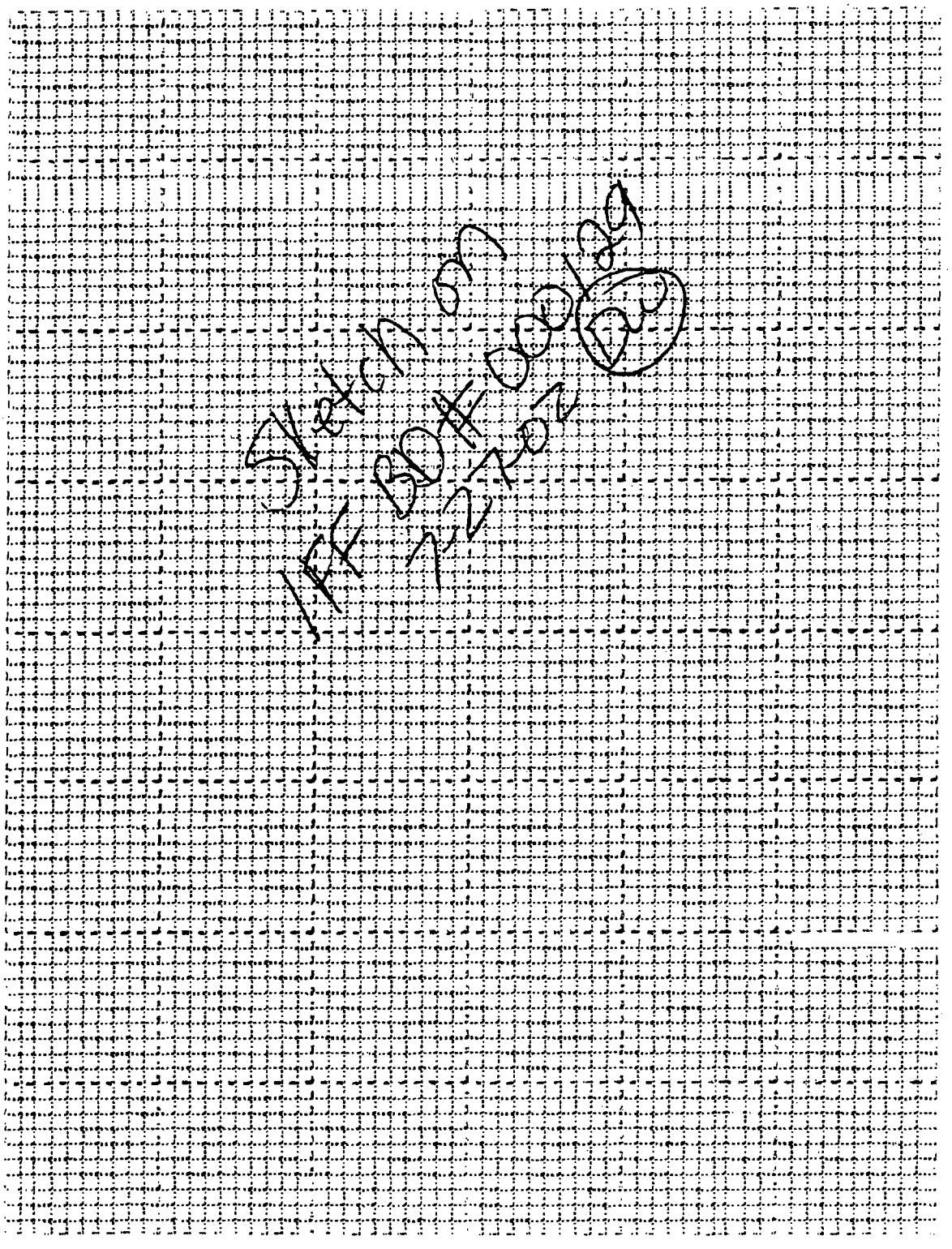
CSS INFORMATION FIELD FORM (continued)

Address: 216 Nevada Ave Apt. F BD# 000141

FIELD DIAGRAM OF PROPERTY

Identify important features (i.e. drainage, trees, gardens, suspected Libby amphibole source areas, sample locations, etc)

NOT TO SCALE



JUL-29-2002 12:10P FROM: TO:14064951025 P:2/11

LIBBY ASBESTOS PROJECT
Contaminant Screening Study
Primary Structure and Property Assessment Information Field Form

Field Logbook No. 100060 Page No. 108 Site Visit Date: 5-31-02

Address: 506 W 2nd ST Structure Description: HOUSE

Occupant: BECKY GRIFFITH Phone Number: 293-2912

Owner (if different than occupant): Phone Number:

Sampling Team: CHRIS ZELIZNAK CDM / BOB ALEXENDER CDM / TOM VANDERWEEL CDM

Field Form Check Completed by (100% of forms): TOM VANDERWEEL CDM

Screening Field Check Completed by (2% of forms):

Data Item	Value	Notes
HOUSE ATTRIBUTES		
Property Description	(Residential) Industrial Commercial	
Surrounding Land Use	(Residential) Industrial Commercial School Mining Other:	
Year of Construction	1910 Unknown	
Square Footage	700 ft²	
Construction Material	(Wood frame) Masonry/Stone Other:	
Number of Floors Above Ground	1 (2) 3 Other:	
Number of Rooms Per Floor Above Ground	1: 6 2: 2 3: Other:	
Basement	(Yes) No	
Heating Source	Wood/Coal (Electric) (Propane) Gas Other:	
Heat Distribution	(Forced air) (Radiant) Other:	

JUL-29-2002 12:11P FROM: TO:14064951025 P:5/11

CSS INFORMATION FIELD FORM (continued)

Address: 506 W 2ND ST.

BD# 000157

Data Item	Value	Notes
OCCUPANT INFORMATION		
Number of Adults/Employees	1 (2) 3 4 5-15 16-20 21-30 >30	
Number of Children	0 (1) 2 3 4 Other:_____	
Years at Location	<1 1-5 (5-10) 10-15 >15	7 YEARS
Was the residence/building remodeled?	(Yes) No If yes, When (years): (<2) 2-5 >5 Where: Attic Living Areas Garage Basement Other:_____	TO PRESENT
Has resident/business purchased any Libby vermiculite materials from W.R. Grace in the past?	Yes (No)	
Has the property at this location been used for a for-profit enterprise of distributing, treating, storing, or disposing of Libby vermiculite?	Yes (No)	
Are there any known areas of exposed vermiculite?	Yes (No) If yes, Where: Ceiling Walls Floors Attic Other:_____	

JUL-29-2002 12:11P FROM: TO:14064951025 P:6/11

CSS INFORMATION FIELD FORM (continued)

Address: 506 W 2ND ST.

BD# 000157

Data Item	Value	Notes
INDOOR ASSESSMENT		
Vermiculite Insulation Past or Present	Attic: Yes (No) NA Walls: Yes (No) NA Basement: Yes (No) NA Crawl Space: Yes No (NA) Other:	Visual confirmation of current presence or absence required for attic.
Evidence of Physical Damage?	Yes (No)	
Evidence of Water Damage?	Yes (No)	
Evidence of vermiculite used in building materials?	Yes (No)	NONE OBSERVED
OUTDOOR ASSESSMENT		
Libby Amphibole Sources Present	Garden: (Yes) No NA Yard: (Yes) No NA Stockpiles: Yes (No) NA Other:	
Proximity to Other Properties with Potential Sources of Libby Amphiboles	(Next door) Within same block Other:	HOUSE NEXT DOOR EXPORT PLANT TRACKS

JUL-29-2002 12:11P FROM: TO:14064951025 P:7/11

CSS INFORMATION FIELD FORM (continued)

Address: 506 W 2ND ST.

BD# 000157

Data Item	Value		Notes
EXPOSURE ASSESSMENT			
Type and Frequency of Activity Near Vermiculite Material - Indoor	Frequency: NA	Once a day Once a week Once a month Once a year	
	Duration of Contact: NA	<1 hour 1-2 hours 2-4 hours >4 hours	
	Extent of Contact: NA	Heavy Moderate Light	
Type and Frequency of Activity Near Vermiculite Material - Outdoor	Frequency: T.V. 5/31/02 ~~NA~~	Once a day (Once a week) Once a month Once a year	
	Duration of Contact: T.V. 5/31/02 ~~NA~~	<1 hour (1-2 hours) 2-4 hours >4 hours	
	Extent of Contact: T.V. 5/31/02 ~~NA~~	Heavy (Moderate) Light	

JUL-29-2002 12:11P FROM: TO:14064951025 P:8/11

CS'S INFORMATION FIELD FORM (continued)

Address: 506 W 2ND ST.

BD# 000157

Data Item	Value	Notes
CONTAMINANT SCREENING STUDY ASSESSMENT		
Occupant Information		
Is there any knowledge of former miners, close relative of miners, or any highly exposed persons living or visiting the property?	Yes (No) Unknown	
Is the resident, past or present, diagnosed with an asbestos related disease?	Yes (No) Unknown	
Indoor Information		
Does the interior have Zonolite attic insulation?	Yes (No) Unknown	
Did the interior ever have Zonolite attic insulation?	Yes (No) Unknown	
Are there vermiculite additives in any of the building materials?	Yes (No) (Unknown)	NONE OBSERVED
Outdoor Information		
Is there any evidence of primary source materials near the property?	(Yes) No Unknown	OTHER HOUSES TRACKS EXPORT PLANT
Could this have been tracked indoors or otherwise spread outdoors on the property?	Yes No (Unknown)	
Overall Assessment		
Are primary source materials present at the property?	(Yes) (No)	
Where are primary source materials located?	Inside (Outside) Both NA	THROUGHOUT THE YARD - IN GARDEN IN PLANTER

TV. 5/31/02

ADDITIONAL INFORMATION TWO NICE DOGS - THROW THE BALL.

JUL-29-2002 12:11P FROM: TO:14064951025 P:9/11

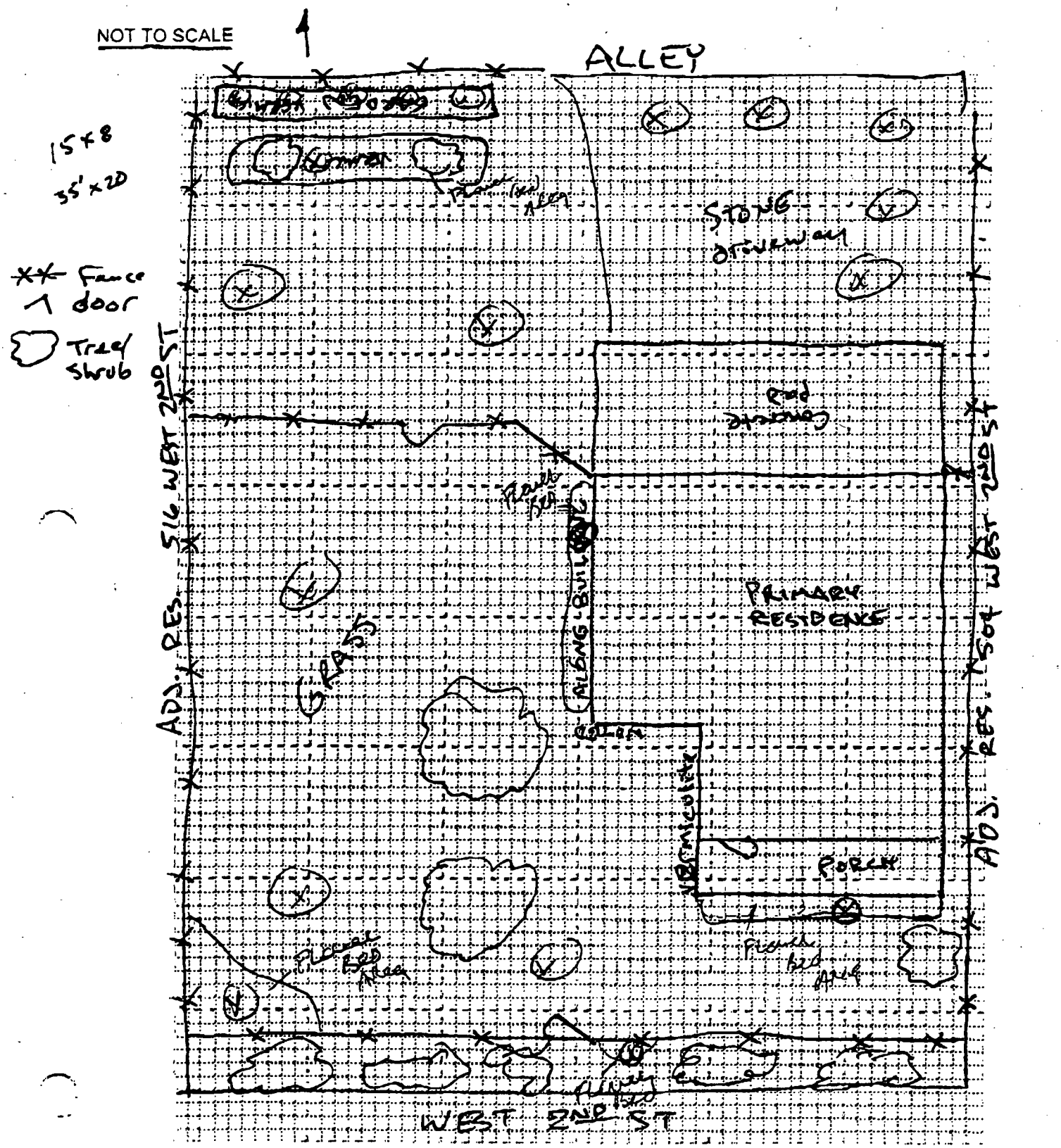
CSS INFORMATION FIELD FORM (continued)

Address: 506 WEST 2ND ST BD# 000157

FIELD DIAGRAM OF PROPERTY

Identify important features (i.e. drainage, trees, gardens, suspected Libby amphibole source areas, sample locations, etc).

NOT TO SCALE



VERMICULITE NOTED ~~THROUGHOUT~~ 22 5/1/02 THROUGHOUT YARD

JUL-29-2002 12:12P FROM: TO:14064951025 P:10/11

CSS INFORMATION FIELD FORM (continued)

Address: 506 WEST 2ND ST.

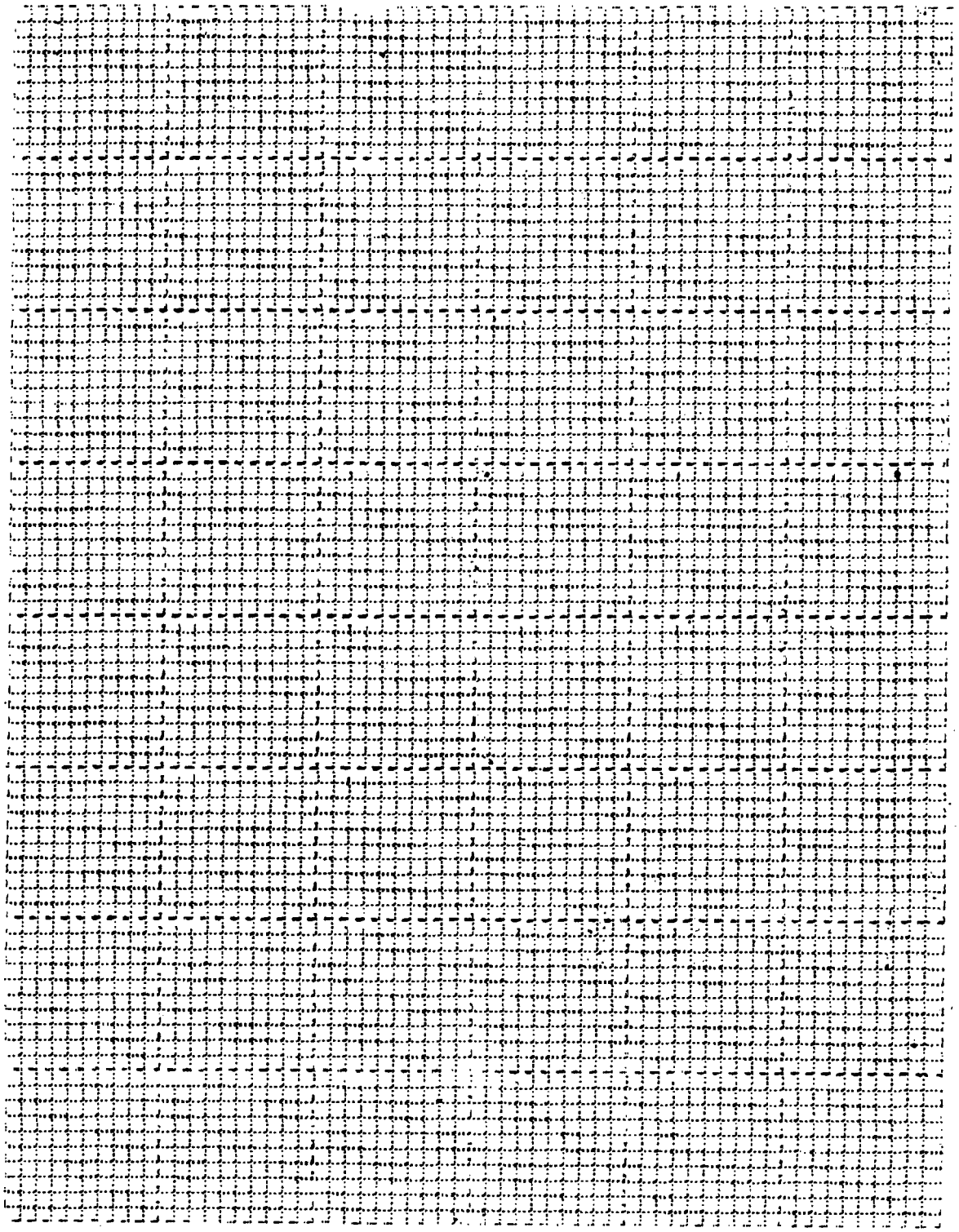
BD# 000157

FIELD DIAGRAM OF PRIMARY STRUCTURE

Floor of House (circle): First Second Third Basement

Include approximate dimensions of rooms and floor covering type. Use more than one diagram if needed.

Scale: 1/10" = 1 foot



JUL-29-2002 12:12P FROM: TO:14064951025 P:11/11

LIBBY ASBESTOS PROJECT
Contaminant Screening Study
Primary Structure and Property Assessment Information Field Form

Field Logbook No.: 100058 Page No. 73 Site Visit Date: 05-21-02

Address: 308 Louisiana Ave ~~Sotel~~ Structure Description: hospital

Occupant: Prompt Care Mary Nelson Phone Number: 293-8757

Owner (if different than occupant): St Johns Lutheran Hospital Phone Number: 293-0100

Sampling Team: Michael Lyon Coffey CDM and Christopher Allen Worthington CDM

Field Form Check Completed by (100% of forms): [illegible]

Screening Field Check Completed by (2% of forms): _____

Data Item	Value	Notes
HOUSE ATTRIBUTES		
Property Description	Residential Industrial (Commercial)	
Surrounding Land Use	Residential Industrial (Commercial) School Mining Other: _____	
Year of Construction	1989 Unknown	
Square Footage	≈ 4000	
Construction Material	Wood frame (Masonry/Stone) Other: _____	
Number of Floors Above Ground	(1) 2 3 Other: _____	
Number of Rooms Per Floor Above Ground	1: ≈25 2: ____ 3: ____ Other: _____	
Basement	(Yes) No	
Heating Source	Wood/Coal (Electric) Propane/Gas Other: _____	
Heat Distribution	(Forced air) Radiant Other: _____	

JUL-29-2002 12:09P FROM: TO:14064951025 P:1/11

CSS INFORMATION FIELD FORM (continued)

Address: 1512 DAKOTA AVE.

BD# 000386

Data Item	Value	Notes
OCCUPANT INFORMATION	CAW 6/5/02	
Number of Adults/Employees	1 2 3 4 5-15 16-20 21-30 >30	
Number of Children	0 1 2 3 4 Other: CAW 7-29-02	
Years at Location	<1 1-5 5-10 10-15 >15	6-7 months
Was the residence/building remodeled?	Yes No If yes, When (years): <2 2-5 >5 Where: Attic Living Areas Garage Basement Other:	
Has resident/business purchased any Libby vermiculite materials from W.R. Grace in the past?	Yes No	
Has the property at this location been used for a for-profit enterprise of distributing, treating, storing, or disposing of Libby vermiculite?	Yes No	
Are there any known areas of exposed vermiculite?	Yes No If yes, Where: Ceiling Walls Floors Attic Other:	

JUL-29-2002 12:11P FROM: TO:14064951025 P:4/11

CSS INFORMATION FIELD FORM (continued)

Address: 1522 DAKOTA AVE

BD# 000480

Data Item	Value	Notes
CONTAMINANT SCREENING STUDY ASSESSMENT		
Occupant Information		
Is there any knowledge of former miners, close relative of miners, or any highly exposed persons living or visiting the property?	(Yes) OW 7-27-02 No Unknown	SON FISHED NEAR PLANT (AND MOTHER)
Is the resident, past or present, diagnosed with an asbestos related disease?	Yes (No) Unknown	
Indoor Information		
Does the interior have Zonolite attic insulation?	Yes (No) Unknown	
Did the interior ever have Zonolite attic insulation?	Yes (No) Unknown	
Are there vermiculite additives in any of the building materials?	Yes (No) Unknown	
Outdoor Information		
Is there any evidence of primary source materials near the property?	Yes (No) Unknown	
Could this have been tracked indoors or otherwise spread outdoors on the property?	Yes No Unknown (NA)	
Overall Assessment		
Are primary source materials present at the property?	Yes (No)	
Where are primary source materials located?	Inside Outside Both (NA)	

ADDITIONAL INFORMATION FLAT ROOF WAS ROOFED OVER WITH A SLOPED ROOF. ASBESTOS-TYPE MATERIAL AROUND CHIMNEY FLUME.

JUL-29-2002 12:10P FROM: TO:14064951025 P:3/11

TARGET SHEET

EPA REGION VIII

SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 2009526

SITE NAME: LIBBY ASBESTOS

DOCUMENT DATE: 07/22/2002

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:

Field Sample Data Sheets

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