

## SCS ENGINEERS

October 5, 2007

Project Number: 01203087.03

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502  
Phone (510) 567-6791  
Fax (510) 337-9335

**RECEIVED**

2:42 pm, Oct 05, 2007

Alameda County  
Environmental Health

**Subject: Limited Soil Removal/Disposal Report  
Freisman Ranch Property  
1600 Freisman Road  
Livermore, California**

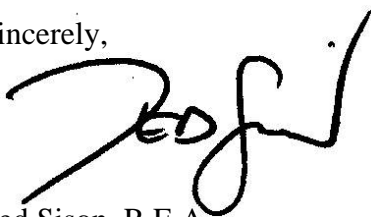
Dear Mr. Wickham:

On behalf of our client, Children's Hospital and Research Center Foundation (Children's Hospital), attached is the *Limited Soil Removal/Disposal Report* prepared by SCS Engineers (SCS) for the Freisman Ranch Property located at 1600 Freisman Road, Livermore, California..

"We declare, under penalty of perjury, that the information and recommendations contained in the attached report are true and correct to the best of our knowledge."

Please contact Steve Clements at (925) 240-5152 if you have any questions or comments regarding this submittal.

Sincerely,

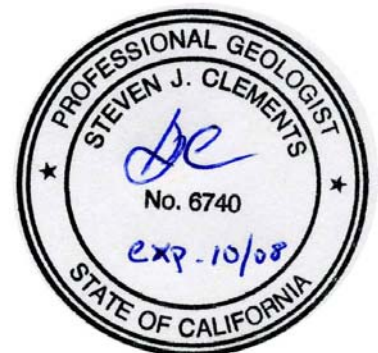


Ted Sison, R.E.A.  
Project Scientist  
SCS Engineers



Steve Clements, PG, REA  
Project Manager  
SCS Engineers

cc: Lynn Sagramoso – Children's Hospital  
Tom Terrill – The Terrill Company





**Limited Soil Removal/Disposal Report  
Freisman Ranch Property  
1600 Freisman Road  
Livermore, California**

Prepared for:

**Children's Hospital and Research Center Foundation**  
2201 Broadway Avenue, Suite 600  
Oakland, California 94612  
(510) 428-3119

Prepared by:

**SCS ENGINEERS**  
6601 Koll Center Parkway, Suite 140  
Pleasanton, CA 94566  
(925) 426-0080

October 5, 2007  
File No. 01203087.03

**Offices Nationwide**  
[www.scsengineers.com](http://www.scsengineers.com)

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Freisman Ranch Property  
1600 Freisman Road  
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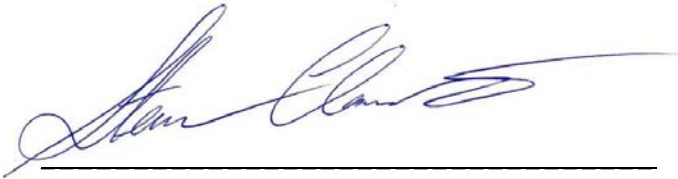
October 5, 2007  
File No. 01203087.03

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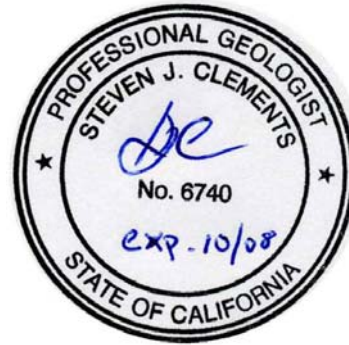
This Limited Soil Removal/Disposal Report for the Freisman Ranch Property located at 1600 Freisman Road, Livermore, California, dated October 5, 2007 has been prepared and reviewed by the following:



Ted Sison, R.E.A.  
Project Scientist



Steve Clements, P.G., R.E.A.  
Project Manager  
SCS Engineers



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## LIMITATIONS/DISCLAIMER

This Limited Soil Removal/Disposal Report has been prepared on the behalf of the Children's Hospital and Research Center Foundation with specific application to the Freisman Ranch Property located at 1600 Freisman Road, Livermore, California. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented herein. Third parties use this report at their own risk.

Changes in site use and conditions may occur due to manmade changes or variations in rainfall, temperature, water usage, or other factors. Additional information which was not available to the consultant at the time this report was prepared or changes which may occur on the site or in the surrounding area may result in modification to the site that would impact the this report. This report is not a legal opinion.

## 1 INTRODUCTION

This Report has been prepared by SCS Engineers (SCS) on behalf of Children's Hospital to summarize the limited removal and disposal of lead-impacted soil from the Freisman Ranch Property (the "Property") located at 1600 Freisman Road, Livermore, California. Figure 1 is the Site Location Map and Figure 2 is the Site Plan. The excavation area is shown on Figure 3.

## BACKGROUND

The Property was first developed in the 1910s with houses, barns, and outbuildings associated with the former onsite dairy. Dairy operations ceased in 1971, and since that time the Property has been used for residential housing, miscellaneous storage, farming, and animal boarding/grazing (horses, cattle, etc.).

An incinerator was formerly located on the Property approximately 80 feet east of the main dairy building adjacent to Arroyo De Las Positas. As shown in the Photo provided in Appendix A, the incinerator was relatively small and constructed of brick. According to the Property caretaker, Mr. Mike Schofield, the incinerator was used only to burn trash. Other details regarding past incinerator operations are not known to SCS.

The incinerator was demolished by SCS personnel in August 2003 and the surrounding area (approximately 300 square-feet) was excavated to a depth of approximately 1.5 feet below ground surface (bgs) (SCS, November 21, 2003 and SCS, October 19, 2006). The excavated soil was disposed of at the Vasco Road Landfill in Livermore, California in October 2003.

In January 2007, at the request of Alameda County Environmental Health (ACEH) SCS collected 14 additional shallow soil samples in the vicinity and downwind (easterly) of the former incinerator to more fully evaluate potential impacts associated with the incinerator (SCS, March 7, 2007). These soil samples were analyzed for arsenic, cadmium, chromium, lead, mercury, nickel, and zinc. Total lead in one sample (SS-14) was the only metal detected at concentrations exceeding residential Environmental Screening Level (ESL) established by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) or natural background concentrations for the area (SCS, March 7, 2007). In shallow soil sample SS-14 collected approximately 20 feet southwest of the former incinerator total lead was detected at a concentration of 760 milligrams per kilogram (mg/kg) This concentration exceeds the 150 mg/kg residential ESL established for lead. SCS subsequently recommended limited excavation and disposal of lead impacted soil exceeding 150 mg/kg in the vicinity of soil sample SS-14 (SCS, April 17, 2007). This proposed soil removal/disposal procedures and cleanup goal were approved by ACEH on April 18, 2007.

## 2 LIMITED REMOVAL/DISPOSAL

### PERMITTING AND AGENCY NOTIFICATION

A Workplan for limited soil removal/disposal was prepared by SCS on April 17, 2007 and approved by ACEH on April 17, 2007. At least 48 hours prior to each phase of excavation SCS marked the excavation area and notified Underground Service Alert (USA) as required by law.

In addition, prior to excavation, a private utility survey was conducted by Cruz Brothers Locators of Scott's Valley, California to more fully evaluate the locations of underground utilities in the vicinity of the work area.

## SOIL EXCAVATION – FIRST PHASE

The first phase of excavation was conducted by SCS on April 24, 2007 using a backhoe. SCS is a Class A-Haz General waste contractor licensed in the State of California (No. 749678). During this effort an approximately 6-foot by 8-foot area (48 square-feet) was excavated to a depth of approximately 2 feet bgs immediately around the location of soil sample *SS-14* (Figure 3). The excavated soil was placed on, and covered with, plastic sheeting. Water spray was used as necessary to eliminate visible dust.

One confirmation soil sample from the bottom of the excavation (*CSB-1*) and four confirmation soil samples from the sidewalls of the excavation (*CSSW-1* through *CSSW-4*) were collected by SCS personnel on April 24, 2007. The collection depth of each sidewall sample was approximately one foot bgs and the collection depth of the bottom sample was approximately 2 feet bgs. Approximate locations of confirmation soil samples are presented on Figure 3.

All confirmation soil samples were collected in pre-cleaned, laboratory supplied nine-ounce glass jars. At the shallow depths, each soil sample was collected directly into the glass jar using the jar's rim to scoop the soil into the jar. Samples deeper than 1.5 feet were collected using the backhoe bucket to eliminate worker entry into the excavations. Following collection, all soil samples were labeled, logged, and placed in a chilled ice chest for transportation later that day to the state certified McCampbell Analytical Laboratory (McCampbell) in Pittsburg, California. All samples were tracked from the point of collection through the laboratory using standard chain-of-custody procedures.

The confirmation samples were analyzed for total lead using EPA Method 6010C. Total lead was detected above the 150 mg/kg cleanup goal only in sample *CSSW-4* (620 mg/kg) collected from the western sidewall of the excavation. Confirmation sample analytical results are presented in Table 1. Analytical reports for confirmation soil samples are presented in Appendix B.

## SOIL EXCAVATION - SECOND PHASE

Based on the results of the initial excavation and confirmatory sample analyses, an additional area, approximately 2-feet by 5-feet (10 square feet) was excavated on May 11, 2007 west of previous confirmation sample location *CSSW-4*. This area was excavated to a depth of approximately 2 feet bgs using a backhoe. Water spray was used as necessary to eliminate visible dust. Further excavation was not possible due to the presence of an approximately 180 square-foot restroom building and surrounding equipment and pavement. The excavated soil was added to the stockpile generated during the first phase of excavation and covered with plastic sheeting.



One confirmation soil sample (*CSSW-4 RE*) was collected from the western sidewall using procedures similar to those described above for the initial excavation. Following collection, the soil sample was handled and analyzed using the procedures described above for the initial excavation.

The confirmation sample was analyzed for total lead using EPA Method 6010C. Total lead was detected above the 150 mg/kg cleanup goal in sample *CSSW-4 RE* (420 mg/kg). Confirmation sample analytical results are presented in Table 1. The analytical report is presented in Appendix B.

## BUILDING DEMOLITION AND SOIL EXCAVATION - THIRD PHASE

Based on the results of the first two phases of excavation and confirmatory sample analyses, additional soil removal/disposal was necessary. However, demolition and removal of the small restroom building and surrounding equipment and pavement was necessary prior continuation of soil removal activities.

Prior to building demolition, asbestos and lead-based paint surveys were conducted on behalf of SCS by Kellco-Macs of Hayward, California. Asbestos was not detected and lead was detected in the building paint at a concentration of 229 mg/cm<sup>2</sup>. A copy of the Kellco-Macs report is provided in Appendix C. In an effort to protect worker safety and reduce the likelihood of flaking paint being scatted onto surrounding soil, SCS sprayed the restroom structure with two coats of new paint prior to demolition. In accordance with Demolition/Asbestos Notification Regulation 11, Rule 2, SCS notified the Bay Area Air Quality Management District (BAAQMD) and obtained J# 2V454 prior to demolition. A copy of the BAAQMD Regulation 11, Rule 2 Notification and Approval is provided in Appendix D. In addition, prior to demolition, SCS obtained a Demolition permit from the City of Livermore Community Development Department (Permit No. DEM07029). A copy of the Demolition Permit is provided in Appendix E. On September 11 and 12, 2007 SCS demolished the restroom building using a backhoe. Water spray was used as necessary to eliminate visible dust. The debris was disposed of at the Vasco Road Landfill in Livermore, California on September 12 and 13, 2007.

On September 12, 2007, SCS excavated the third, approximately 12-foot by 12-foot (144 square-foot) area, west of previous confirmation sample location *CSSW-4 RE* (Figure 3). This area was excavated to a depth of approximately 2.5 feet bgs using a backhoe. Water spray was used as necessary to eliminate visible dust. One confirmation soil sample from the bottom of the excavation (*CS2B*) and four confirmation soil samples from the sidewalls of the excavation (*CS2SW-1* through *CS2SW-4*) were collected by SCS personnel on September 12, 2007. The collection depth of each of the sidewall samples was approximately 1.5 feet bgs and the collection depth of the bottom sample was approximately 2.5 feet bgs. Approximate locations of the confirmation soil samples are presented on Figure 3. The confirmation soil samples were collected using procedures similar to those described above for the initial excavation. Following collection, the soil sample was handled and analyzed using procedures similar to those described above for the initial excavation.

The confirmation samples were analyzed for total lead using EPA Method 6010C. Total lead was not detected above the 150 mg/kg cleanup goal in any of the confirmation soil samples collected following the third phase of excavation. Confirmation sample analytical results are summarized in Table 1. Analytical reports for confirmation soil samples are presented in Appendix B

## STOCKPILE CHARACTERIZATION SAMPLING AND ANALYSIS

On April 4, 2007 SCS collected one 4-point composite sample from the stockpiled soil generated during the first phase of excavation (*Stockpile 4 pt. Composite*). The sample was analyzed by McCampbell for CAM-17 metals, including total lead, using Extraction Method SW3050B and EPA Analytical Method 6020A. In addition, the stockpile sample was also analyzed for soluble lead using both the California Waste Extraction Test – Soluble Threshold Limit Concentration (WET-STLC) and Federal Toxicity Characteristic Leaching Procedure (TCLP) using EPA Analytical Method 6010C. Total lead was detected in the stockpile sample at a concentration of 480 mg/kg. Soluble lead was detected in the stockpile sample at a concentration of 10 µg/L using the WET-STLC method and was not detected using the TCLP method. The stockpile sample analytical report is presented in Appendix B.

## SOIL DISPOSAL AND EXCAVATION BACKFILL

Based on these analytical results, stockpiled soil generated during the first and second phases of excavation was loaded onto trucks and transported off-site to the Kettleman Hills Landfill in Kettleman City, California for disposal on May 11, 2007. Stockpiled soil generated during the third phase of excavation was transported to the Kettleman Hills Landfill on September 14, 2007. Transportation for each round of disposal was provided by Denbeste Transportation, Inc. of Windsor, California (DTSC Transporter Registration No. 2578; EPA ID. No. CAD982513632). Each truck was covered after loading and all tires were brushed clean before departing the Property. The total weight of soil disposed of at the Kettleman Hills Landfill was approximately 24 tons (approximately 17 cubic yards). Copies of the soil disposal manifests are attached in Appendix F. Backfilling of the excavation was conducted SCS on September 13, 2007 using pea gravel.

## 3 REPORT SUMMARY AND CLOSING

Approximately 24 tons of soil impacted with total lead at concentrations exceeding 150 mg/kg was excavated from the Property and disposed of off-site at the Kettleman Hills Landfill between April 24, 2007 and September 13, 2007. The impacted/excavated soil was associated with the former on-site incinerator. Total lead concentrations in final confirmation soil samples collected from the base and sidewalls of the excavation were all below the 150 mg/kg cleanup goal established for this project.

## 4 REFERENCES

California Regional Water Quality Control Board, San Francisco Bay Region (SFBRWQCB), February 2005. *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup Tables.*

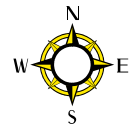
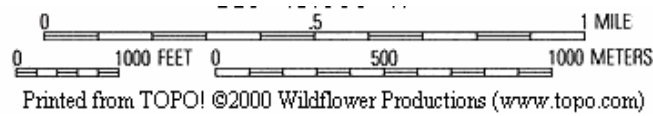
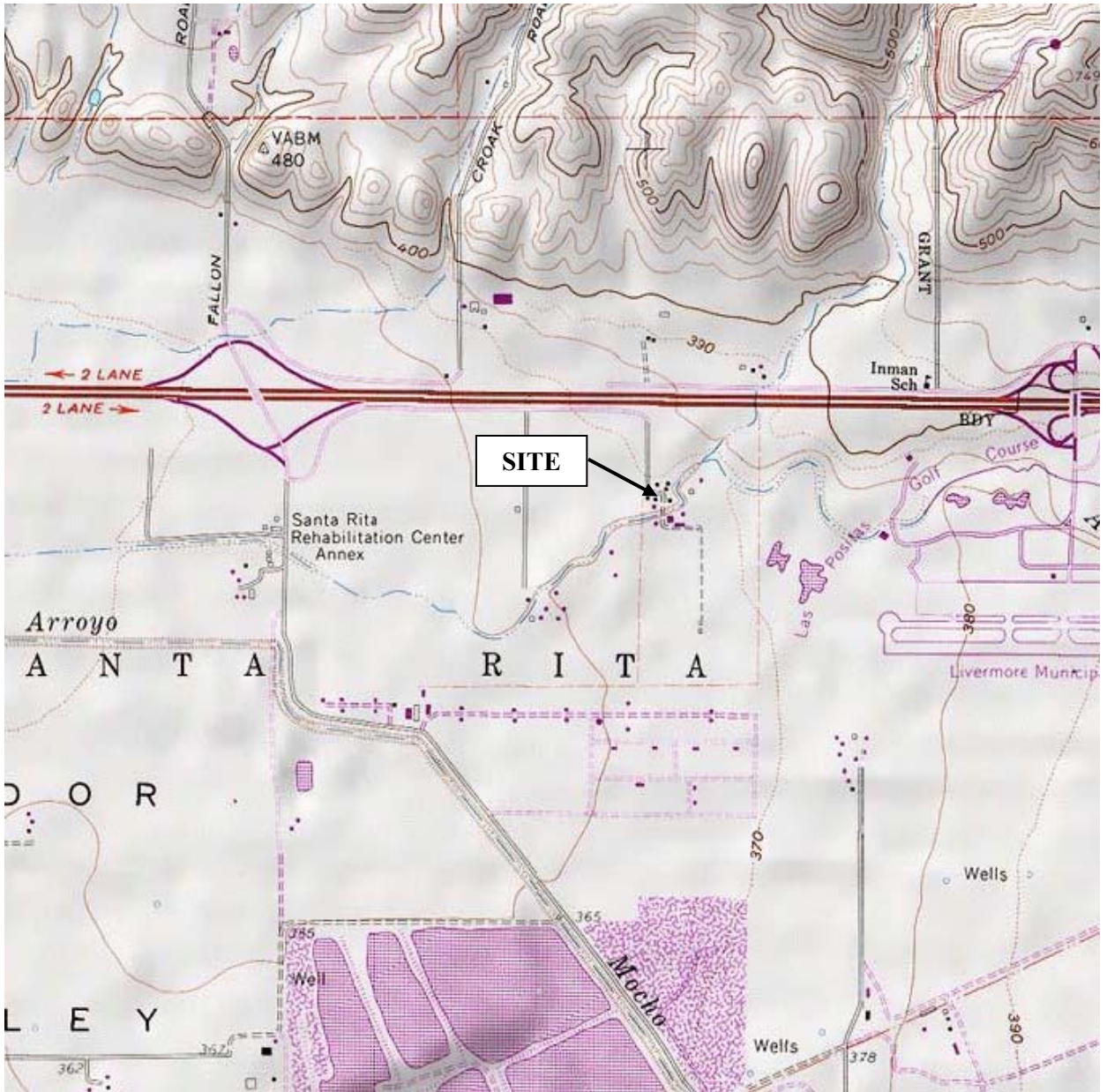
SCS Engineers, November 21, 2003. *Groundwater Monitoring, Soil Vapor Survey, and Source Removal Report, Freisman Ranch Property, 1660 Freisman Road, Livermore, California.*

SCS Engineers, October 19, 2006. *Revised Response to Comments/Workplan, Freisman Ranch Property, 1600 Freisman Road, Livermore, California.*

SCS Engineers, March 7, 2007. *Additional Site Investigation Report, Freisman Ranch Property, 1600 Freisman Road, Livermore, California.*

SCS Engineers, April 17, 2007. *Workplan – Limited Soil Removal/Disposal, Freisman Ranch Property, 1600 Freisman Road, Livermore, California.*

## FIGURES

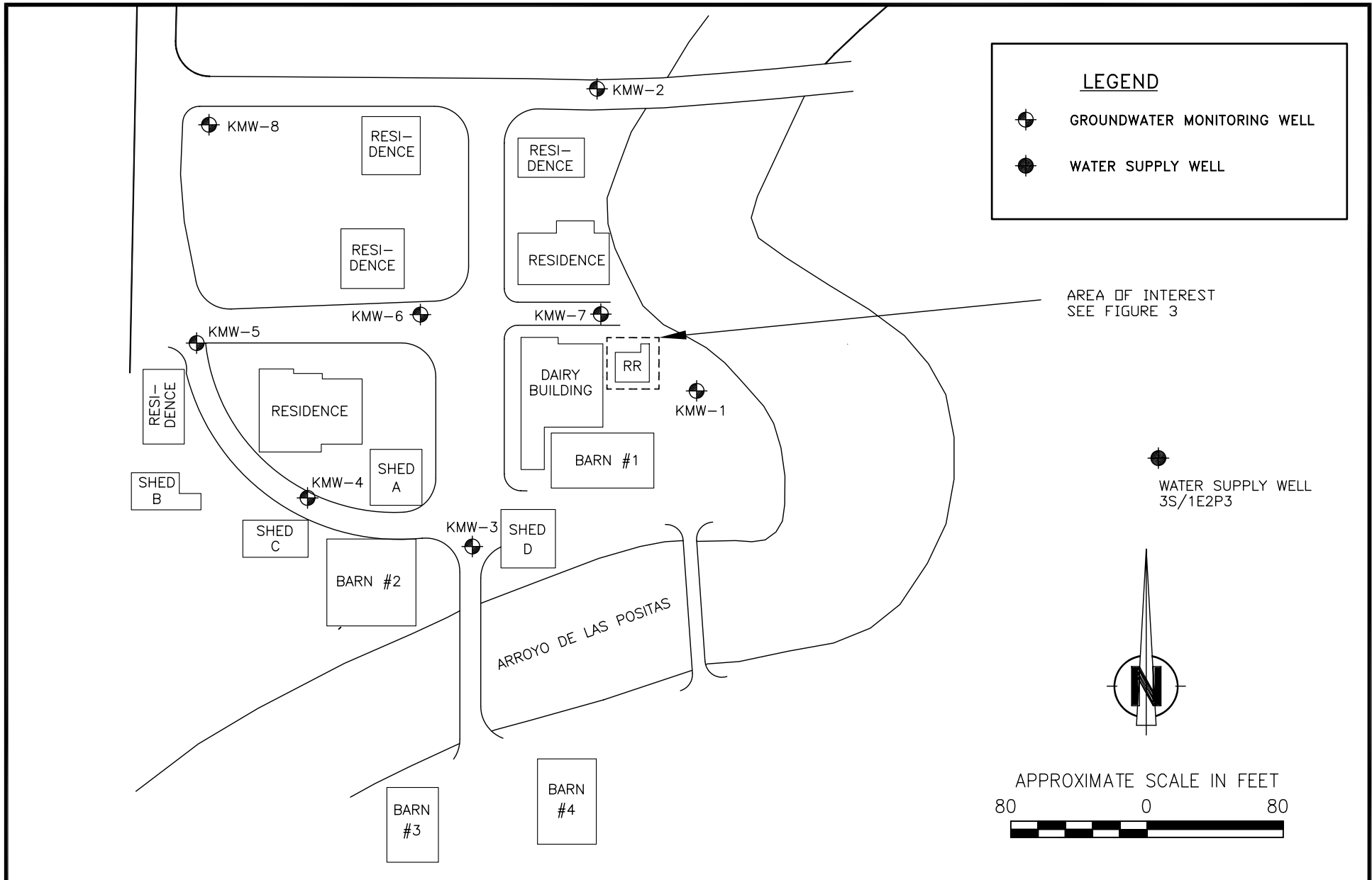


**SOURCE:** UNITED STATES GEOLOGICAL SURVEY LIVERMORE QUADRANGLE, CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPO SOFTWARE..

**SCS ENGINEERS** 6601 Koll Center Pkwy, Ste. 140  
 Pleasanton, CA 94566  
 (925) 426-0080

PROJECT NO: 01203087.02		
DESIGNED BY: TMS	SCALE: SHOWN	REVIEWED BY: SJC
DRAWN BY: TMS	DATE: 1-07	

**FIGURE 1**  
**SITE LOCATION MAP**  
 FREISMAN RANCH PROPERTY  
 1600 FREISMAN ROAD  
 LIVERMORE, CALIFORNIA



**SCS ENGINEERS**

ENVIRONMENTAL CONSULTANTS  
 6601 KOLL CENTER PKWY, SUITE 140  
 PLEASANTON, CALIFORNIA 94566  
 PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO. 01203087.03	DWN. BY: HLG	ACAD FILE: Figure 2.dwg
DATE 8-23-07	CHK. BY: SJC	APP. BY: S. Clements

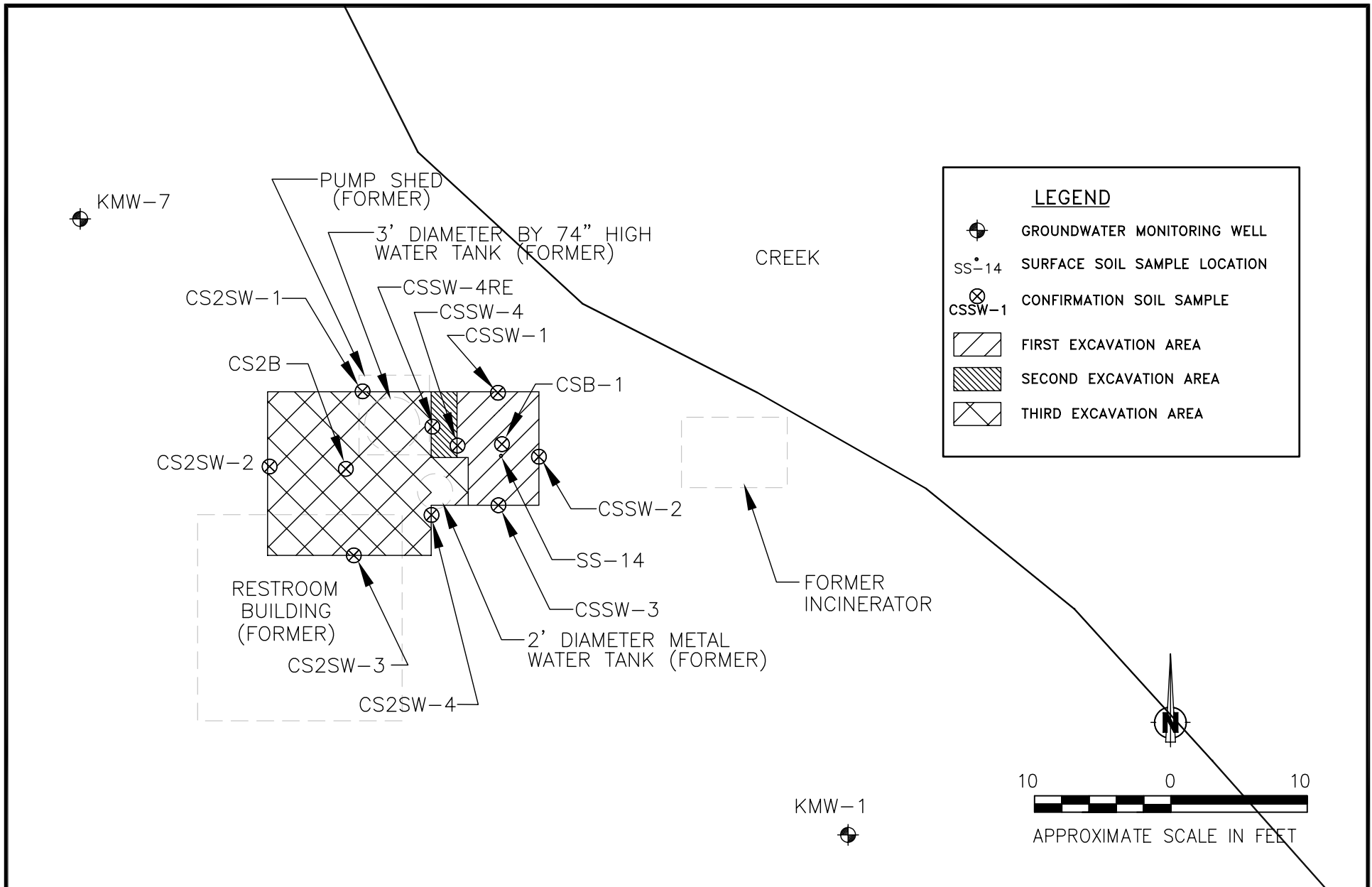
SHEET TITLE: SITE PLAN

PROJECT TITLE:  
 FREISMAN RANCH PROPERTY  
 1600 FREISMAN ROAD  
 LIVERMORE, CALIFORNIA

SCALE:  
AS SHOWN

FIGURE:  
2

BASE:  
 ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER  
 MONITORING REPORT, FIRST QUARTER 2003, FREISMAN RANCH  
 PROPERTY, LIVERMORE, CALIFORNIA



BASE:  
ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FREISMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

<b>SCS ENGINEERS</b> ENVIRONMENTAL CONSULTANTS 6601 KOLL CENTER PARKWAY, SUITE 140 PLEASANTON, CALIFORNIA 94566 PH. (925) 426-0080 FAX. (925) 426-0707		
PROJ. NO. 01203087.03	DWN. BY: TMS	ACAD FILE: FIGURE 3
DATE 10-2-2007	CHK. BY: SJC	APP. BY: SJC

SHEET TITLE	EXCAVATION AREA
PROJECT TITLE	FREISMAN RANCH 1600 FREISMAN ROAD LIVERMORE, CALIFORNIA

SCALE:	AS SHOWN
FIGURE NO.	3

## **TABLES**



**Table 1.**  
**Summary of Confirmation Soil Sample Analytical Results**  
**Freisman Ranch Property**  
**1600 Freisman Road**  
**Livermore, California**

Excavation Phase	Sample ID	Sample Location Within Excavation	Depth	Sample Date	Total Lead
			feet bgs		mg/kg
First (Initial)	CSB-1	Bottom	2	04/24/07	<b>26</b>
	CSSW-1	North Sidewall	1	04/24/07	<b>22</b>
	CSSW-2	East Sidewall	1	04/24/07	<b>93</b>
	CSSW-3	South Sidewall	1	04/24/07	<b>15</b>
	CSSW-4	West Sidewall	1	04/24/07	620
Second	CSSW-4 RE	West Sidewall	1	05/11/07	440
Third	CS2B	Bottom	2.5	09/12/07	<b>12</b>
	CS2SW-1	North Sidewall	1.5	09/12/07	<b>5.7</b>
	CS2SW-2	West Sidewall	1.5	09/12/07	<b>6.7</b>
	CS2SW-3	South Sidewall	1.5	09/12/07	<b>15</b>
	CS2SW-4	East Sidewall	1.5	09/12/07	<b>17</b>
Cleanup Goal					150

Notes:

- Total Lead analyzed using EPA Method 6010C
- bgs = below ground surface
- mg/kg = milligrams per kilogram (or parts per million; ppm)
- Bold = Final Excavation Confirmation Sample

**APPENDIX A**  
**INCINERATOR PHOTO**



**Former Incinerator – Friesman Ranch Property, Livermore, CA**

**APPENDIX B**  
**ANALYTICAL REPORTS**

---



**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: 01203087.03;Freisman Ranch Limited Soil Removed	Date Sampled: 04/24/07
		Date Received: 04/24/07
	Client Contact: Steve Clements	Date Reported: 04/25/07
	Client P.O.:	Date Completed: 04/25/07

**WorkOrder: 0704498**

April 25, 2007

Dear Steve:

Enclosed are:

- 1). the results of **6** analyzed samples from your **01203087.03;Freisman Ranch Limited Soil Removed project,**
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0704498

CHAIN OF CUSTODY RECORD

SCSD

<b>SCS ENGINEERS Environmental Consultants</b>				TOTAL NUMBER OF SAMPLES: <b>6</b>		ANALYSES REQUESTED				LAB USE ONLY		
6601 Koll Center Parkway Suite 140 Pleasanton, CA 94566				925 426-0080 FAX 925 426-0707 www.scsengineers.com		PAGE <b>1</b> OF <b>1</b>		TURNAROUND TIME REQUIRED: <b>ASAP</b>				<b>RUSH</b>
PROJECT NUMBER: <b>01203087.02</b>				PROJECT MANAGER: <b>S. Clements</b>		___5-Day ___3-Day ___Immediate ___Other		Total Lead				
PROJECT NAME: <b>Freisman Ranch Limited Soil Removal</b>				W.O. / S.O. #:				<del>Re-Test Metals</del>				
PROJECT LOCATION: <b>1600 Freisman Rd, Livermore, CA</b>								C.A.M 17 metals				
SAMPLER NAME AND SIGNATURE: <b>Ted Sison</b>								STILL + TCU + Pb 4/26/07 24hrs				
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS						
	CSSW-1	soil	4-24-07	90% JAR	n/a	X						
	CSSW-2	↓	↓	↓	↓	X						
	CSSW-3	↓	↓	↓	↓	X						
	CSSW-4	↓	↓	↓	↓	X						
	CSB-1	↓	↓	↓	↓	X						
	stackpile 4 pt. composite	↓	↓	↓	↓	X X X						
NOTES:						APPROPRIATE CONTAINERS <input checked="" type="checkbox"/> PRESERVED IN LAB <input type="checkbox"/> DECHLORINATED IN LAB <input type="checkbox"/> PRESERVATION: VOAS <input type="checkbox"/> C&G <input type="checkbox"/> METALS <input type="checkbox"/> OTHER <input type="checkbox"/>						
SAMPLE CONDITION UPON RECEIPT:												

RELINQUISHED BY: <i>[Signature]</i>	DATE: 4-24-07	RECEIVED BY: Envirotech T.L.	DATE: 4-24-07	RELINQUISHED BY: Saw R.	DATE: 4/24/07	RECEIVED BY: <i>[Signature]</i>	DATE: 4/24
COMPANY: SCS	TIME: 4:53	COMPANY: Enviro-Tech	TIME: 4:53	COMPANY: Enviro-Tech	TIME: 1706	COMPANY: 1706	TIME: 1706

11.1 4/24/07 1728 Initial



# McC Campbell Analytical, Inc.



1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 0704498

ClientID: SCSD

EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty

Report to:	Steve Clements	Email: sclements@scseng.com	Bill to	Accounts Payable	Requested TAT: 1 day
	SCS Engineers	TEL: (925) 426-008 FAX: (925) 426-070		SCS Engineers	Date Received 04/24/2007
	6601 Koll Center Pkwy, Ste 140	ProjectNo: 01203087.03;Freisman Ranch Limited		6601 Koll Center Pkwy, Ste 140	Date Printed: 04/24/2007
	Pleasanton, CA 94566	PO:		Pleasanton, CA 94566	

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0704498-001	CSSW-1	Soil	04/24/07	<input type="checkbox"/>		A											
0704498-002	CSSW-2	Soil	04/24/07	<input type="checkbox"/>		A											
0704498-003	CSSW-3	Soil	04/24/07	<input type="checkbox"/>		A											
0704498-004	CSSW-4	Soil	04/24/07	<input type="checkbox"/>		A											
0704498-005	CSB-1	Soil	04/24/07	<input type="checkbox"/>		A											
0704498-006	stockpile 4 pt. Composite	Soil	04/24/07	<input type="checkbox"/>	A												

**Test Legend:**

1	CAM17MS_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Chloe Lam

**Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# McC Campbell Analytical, Inc.



1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 070449 **A**

ClientID: SCSD

EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty

**Report to:**

Steve Clements  
 SCS Engineers  
 6601 Koll Center Pkwy, Ste 140  
 Pleasanton, CA 94566

Email: sclements@scseng.com  
 TEL: (925) 426-008    FAX: (925) 426-070  
 ProjectNo: 01203087.03;Freisman Ranch Limited  
 PO:

**Bill to**

Accounts Payable  
 SCS Engineers  
 6601 Koll Center Pkwy, Ste 140  
 Pleasanton, CA 94566

**Requested TA      1 day**

**Date Receive    04/24/2007**

**Date Add-On:    04/26/2007**

**Date Printed:    04/26/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0704498-005	CSB-1	Soil	04/24/07	<input type="checkbox"/>	A												
0704498-006	stockpile 4 pt. Composite	Soil	04/24/07	<input type="checkbox"/>		A											

**Test Legend:**

1	PB_STLC_Soil	2	PB_TCLP_Soil	3		4		5	
6		7		8		9		10	
11		12							

**Prepared by: Chloe Lam**

**Comments:**      006 STLC & TCLP Pb added 24hr per S.C 4/26/07

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.





### Sample Receipt Checklist

Client Name: **SCS Engineers** Date and Time Received: **04/24/07 7:15:25 PM**  
 Project Name: **01203087.03;Freisman Ranch Limited Soil Remove** Checklist completed and reviewed by: **Chloe Lam**  
 WorkOrder N°: **0704498** Matrix Soil Carrier: Client Drop-In

#### Chain of Custody (COC) Information

Chain of custody present? Yes  No   
 Chain of custody signed when relinquished and received? Yes  No   
 Chain of custody agrees with sample labels? Yes  No   
 Sample IDs noted by Client on COC? Yes  No   
 Date and Time of collection noted by Client on COC? Yes  No   
 Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes  No  NA   
 Shipping container/cooler in good condition? Yes  No   
 Samples in proper containers/bottles? Yes  No   
 Sample containers intact? Yes  No   
 Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  No   
 Container/Temp Blank temperature Cooler Temp: 9.8°C NA   
 Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted   
 Sample labels checked for correct preservation? Yes  No   
 TTLC Metal - pH acceptable upon receipt (pH<2)? Yes  No  N

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Comments: \_\_\_\_\_



# McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
 Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
 Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: 01203087.03;Freisman Ranch Limited Soil Removed	Date Sampled: 04/24/07
	Client Contact: Steve Clements	Date Received: 04/24/07
	Client P.O.:	Date Analyzed 04/25/07

### Lead by ICP\*

Extraction method SW3050B

Analytical methods 6010C

Work Order: 0704498

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0704498-001A	CSSW-1	S	TTLC	22	1	97
0704498-002A	CSSW-2	S	TTLC	93	1	104
0704498-003A	CSSW-3	S	TTLC	15	1	102
0704498-004A	CSSW-4	S	TTLC	620	1	98
0704498-005A	CSB-1	S	TTLC	26	1	101

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	µg/L
	S	TTLC	5.0	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



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SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: 01203087.03;Freisman Ranch Limited Soil Removed	Date Sampled: 04/24/07
	Client Contact: Steve Clements	Date Received: 04/24/07
	Client P.O.:	Date Extracted: 04/24/07
		Date Analyzed 04/25/07

### CAM / CCR 17 Metals\*

Lab ID	0704498-006A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	stockpile 4 pt. Composite				S	W
Matrix	S				mg/Kg	mg/L
Extraction Type	TTLC					

### ICP-MS Metals, Concentration\*

Analytical Method: 6020A      Extraction Method: SW3050B      Work Order: 0704498

Dilution Factor	1			1	1
Antimony	2.3			0.5	NA
Arsenic	15			0.5	NA
Barium	250			5.0	NA
Beryllium	ND			0.5	NA
Cadmium	1.0			0.25	NA
Chromium	64			0.5	NA
Cobalt	8.2			0.5	NA
Copper	38			0.5	NA
Lead	480			0.5	NA
Mercury	0.084			0.05	NA
Molybdenum	0.88			0.5	NA
Nickel	45			0.5	NA
Selenium	ND			0.5	NA
Silver	ND			0.5	NA
Thallium	ND			0.5	NA
Vanadium	36			0.5	NA
Zinc	450			5.0	NA
%SS:	111				

### Comments

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.





**QC SUMMARY REPORT FOR 6010C**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 0704498

EPA Method 6010C			Extraction SW3050B			BatchID: 27641			Spiked Sample ID 0704498-001A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	22	50	78	80.2	1.73	10	100	109	8.24	75 - 125	20	80 - 120	20
%SS:	97	250	95	96	1.42	250	104	103	1.16	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 27641 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704498-001A	04/24/07	04/24/07	04/25/07 10:51 AM	0704498-002A	04/24/07	04/24/07	04/25/07 9:28 AM
0704498-003A	04/24/07	04/24/07	04/25/07 9:31 AM	0704498-004A	04/24/07	04/24/07	04/25/07 9:34 AM
0704498-005A	04/24/07	04/24/07	04/25/07 9:36 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte



**QC SUMMARY REPORT FOR 6020A**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 0704498

EPA Method 6020A		Extraction SW3050B				BatchID: 27619			Spiked Sample ID 0704454-004A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.55	50	98.1	101	3.08	10	98.1	99.2	1.19	75 - 125	20	80 - 120	20
Arsenic	5.7	50	100	102	2.01	10	99.6	101	1.19	75 - 125	20	80 - 120	20
Barium	350	500	104	109	2.40	100	97.9	98.4	0.540	75 - 125	20	80 - 120	20
Beryllium	0.53	50	92.8	94.9	2.17	10	104	107	2.36	75 - 125	20	80 - 120	20
Cadmium	ND	50	97.5	101	3.33	10	99.3	99.7	0.372	75 - 125	20	80 - 120	20
Chromium	52	50	97.8	99.8	0.981	10	98.2	98.6	0.447	75 - 125	20	80 - 120	20
Cobalt	12	50	90.3	95.8	4.71	10	96.9	97.7	0.802	75 - 125	20	80 - 120	20
Copper	27	50	101	104	1.56	10	100	101	1.09	75 - 125	20	80 - 120	20
Lead	7.7	50	96.8	101	3.40	10	97.9	99.2	1.36	75 - 125	20	80 - 120	20
Mercury	0.11	1.25	96.5	99.3	2.61	0.50	95.2	95.7	0.511	75 - 125	20	80 - 120	20
Molybdenum	0.93	50	95.4	101	5.36	10	93.5	96.6	3.24	75 - 125	20	80 - 120	20
Nickel	56	50	106	109	1.46	10	101	101	0	75 - 125	20	80 - 120	20
Selenium	ND	50	90.2	94.4	4.48	10	89.1	92.5	3.80	75 - 125	20	80 - 120	20
Silver	ND	50	97.8	103	4.71	10	101	102	1.58	75 - 125	20	80 - 120	20
Thallium	ND	50	98.3	102	4.01	10	97.5	99.1	1.69	75 - 125	20	80 - 120	20
Vanadium	47	50	99.6	101	0.806	10	98.1	99.5	1.42	75 - 125	20	80 - 120	20
Zinc	50	500	98.7	103	3.68	100	97.4	99.2	1.85	75 - 125	20	80 - 120	20
%SS:	97	250	106	107	0.940	250	101	100	0.239	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 27619 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704498-006A	04/24/07	04/24/07	04/25/07 5:20 PM	0704498-006A	04/24/07	04/24/07	04/25/07 5:35 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte





### QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0704498

EPA Method SW6010C		Extraction CA Title 22			BatchID: 27588			Spiked Sample ID: N/A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	N/A	1	N/A	N/A	N/A	99.2	90.9	8.70	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 27588 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704498-006A	04/24/07	04/26/07	04/30/07 1:58 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not applicable to this method.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.





### QC SUMMARY REPORT FOR SW6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 0704498

EPA Method SW6010C	Extraction SW1311			BatchID: 27674			Spiked Sample ID: N/A					
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	N/A	1	N/A	N/A	N/A	99.8	101	1.51	N/A	N/A	80 - 120	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 27674 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704498-006A	04/24/07	04/26/07	04/27/07 1:32 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.  
 % Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).  
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.  
 N/A = not applicable to this method.  
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: #01203087.03; Freisman Ranch Soil Removal	Date Sampled: 05/11/07
		Date Received: 05/15/07
	Client Contact: Steve Clements	Date Reported: 05/18/07
	Client P.O.:	Date Completed: 05/18/07

**WorkOrder: 0705385**

May 18, 2007

Dear Steve:

Enclosed are:

- 1). the results of 1 analyzed sample from your **#01203087.03; Freisman Ranch Soil Removal project,**
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0705385

CHAIN OF CUSTODY RECORD

SCSD

SCS ENGINEERS Environmental Consultants					TOTAL NUMBER OF SAMPLES: 1		ANALYSES REQUESTED								LAB USE ONLY
6601 Koll Center Parkway Suite 140 Pleasanton, CA 94566 925 426-0080 FAX 925 426-0707 www.scsengineers.com					PAGE 1 OF 1		Total Lead X								
PROJECT NUMBER: 01203 087, 03					TURNAROUND TIME REQUIRED: Normal										
PROJECT NAME: Freisman Ranch Soil Removal					PROJECT MANAGER: S. Clements										
PROJECT LOCATION: 1600 Freisman Rd, Livermore, CA					W.O./S.O. #:										
SAMPLER NAME AND SIGNATURE: Ted Sison															
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS									
	CSSW-4 RE	soil	5-11-07	9 OZ JAR	n/a										
NOTES:											SAMPLE CONDITION UPON RECEIPT:				
RELINQUISHED BY: <i>[Signature]</i>	DATE: 5-14-07	RECEIVED BY: <i>[Signature]</i>	DATE: 5-14-07	RELINQUISHED BY: <i>[Signature]</i>	DATE: 5-15-07	RECEIVED BY: <i>[Signature]</i>	DATE: 5/15 15:15								
COMPANY: SCS	TIME: 10:25	COMPANY: SCS	TIME: 10:25	COMPANY: SCS	TIME: 2:15 p	COMPANY: SCS	TIME:								
<i>Denker 5/15 1642</i>															

ICMP 7.60 ✓  
 GOOD CONDITION ✓  
 HEAD SPACE ABSENT ✓  
 DECONTAMINATED IN LAB ✓  
 APPROPRIATE CONTAINERS PRESERVED IN LAB ✓  
 PRESERVATION: VOAS | O&G | METALS | OTHER

# McC Campbell Analytical, Inc.



1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

# CHAIN-OF-CUSTODY RECORD

**WorkOrder: 0705385**

**ClientID: SCSD**

EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty

<b>Report to:</b>		<b>Bill to:</b>	<b>Requested TAT: 5 days</b>
Steve Clements	Email: sclements@scseng.com	Accounts Payable	
SCS Engineers	TEL: (925) 426-008 FAX: (925) 426-070	SCS Engineers	<i>Date Received 05/15/2007</i>
6601 Koll Center Pkwy, Ste 140	ProjectNo: #01203087.03; Freisman Ranch Soil R	6601 Koll Center Pkwy, Ste 140	<i>Date Printed: 05/15/2007</i>
Pleasanton, CA 94566	PO:	Pleasanton, CA 94566	

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
0705385-001	CSSW - 4 RE	Soil	5/11/2007	<input type="checkbox"/>	A													

**Test Legend:**

1	PB_S	2		3		4		5	
6		7		8		9		10	
11		12							

**Prepared by: Chloe Lam**

**Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **SCS Engineers** Date and Time Received: **5/15/2007 4:49:52 PM**  
 Project Name: **#01203087.03; Freisman Ranch Soil Removal** Checklist completed and reviewed by: **Chloe Lam**  
 WorkOrder N°: **0705385** Matrix Soil Carrier: Client Drop-In

#### Chain of Custody (COC) Information

Chain of custody present? Yes  No   
 Chain of custody signed when relinquished and received? Yes  No   
 Chain of custody agrees with sample labels? Yes  No   
 Sample IDs noted by Client on COC? Yes  No   
 Date and Time of collection noted by Client on COC? Yes  No   
 Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

Custody seals intact on shipping container/cooler? Yes  No  NA   
 Shipping container/cooler in good condition? Yes  No   
 Samples in proper containers/bottles? Yes  No   
 Sample containers intact? Yes  No   
 Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  No   
 Container/Temp Blank temperature Cooler Temp: 7.6°C NA   
 Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted   
 Sample labels checked for correct preservation? Yes  No   
 TTLC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA

Client contacted: Date contacted: Contacted by:

Comments:



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 Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: #01203087.03; Freisman Ranch Soil Removal	Date Sampled: 05/11/07
	Client Contact: Steve Clements	Date Received: 05/15/07
	Client P.O.:	Date Extracted: 05/15/07
		Date Analyzed 05/17/07

### Lead by ICP\*

Extraction method SW3050B Analytical methods 6010C Work Order: 0705385

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0705385-001A	CSSW - 4 RE	S	TTLC	440	1	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	µg/L
	S	TTLC	5.0	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.  
 # means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.  
 i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



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## QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0705385

EPA Method 6010C			Extraction SW3050B			BatchID: 28090			Spiked Sample ID 0705370-011A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	ND	50	103	100	2.62	10	105	114	8.26	75 - 125	20	80 - 120	20
%SS:	107	250	107	106	1.12	250	105	106	0.663	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

### BATCH 28090 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0705385-001A	05/11/07	05/15/07	05/17/07 10:49 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte



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Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: #01203087.03; Freisman Ranch	Date Sampled: 09/12/07
		Date Received: 09/12/07
	Client Contact: Steve Clements	Date Reported: 09/13/07
	Client P.O.:	Date Completed: 09/13/07

**WorkOrder: 0709257**

September 13, 2007

Dear Steve:

Enclosed are:

- 1). the results of **5** analyzed samples from your **#01203087.03; Freisman Ranch project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



0709257

CHAIN OF CUSTODY RECORD

**RUSH**  
LAB USE ONLY

SCS ENGINEERS Environmental Consultants

TOTAL NUMBER OF SAMPLES: 5

ANALYSES REQUESTED

6601 Koll Center Parkway  
Suite 140  
Pleasanton, CA 94566

925 426-0080  
FAX 925 426-0707  
www.scsengineers.com

PAGE 1 OF 1  
TURNAROUND TIME REQUIRED: 24 hr  
5-Day 3-Day Immediate Other

PROJECT NUMBER: 01203087.03  
PROJECT NAME: Freisman Ranch  
PROJECT LOCATION: 1600 Freisman Rd. Livermore, CA  
SAMPLER NAME AND SIGNATURE: Ted Sison

PROJECT MANAGER: S. Clements  
W.O. / S.O. #:

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS
	CS2SW-1	soil	9-12-07	902 JAR	n/a	
	CS2SW-2	↓	↓	↓	↓	
	CS2SW-3	↓	↓	↓	↓	
	CS2SW-4	↓	↓	↓	↓	
	CS2B	↓	↓	↓	↓	

total lead

ICEP  
GOOD CONDITION   
HEAD SPACE ABSENT   
DECHLORINATED IN LAB  APPROPRIATE CONTAINERS   
PRESERVED IN LAB   
PRESERVATION: VOAS  ORG  METALS  OTHER

NOTES: CS2SW-1 through CS2SW-4 collected at 1.5' bgs  
CS2B collected from bottom of excavation @ 2.5' bgs

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY: [Signature]	DATE: 9-12-07	RECEIVED BY: [Signature]	DATE: 9-12-07	RELINQUISHED BY: [Signature]	DATE: 9/12/07	RECEIVED BY: [Signature]	DATE: 9/12/07
COMPANY: SCS	TIME: 2:05	COMPANY: SCS	TIME: 2:05	COMPANY: SCS	TIME: 5:20	COMPANY: MAI	TIME: 3:20pm

**McC Campbell Analytical, Inc.**



1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

**CHAIN-OF-CUSTODY RECORD**

**WorkOrder: 0709257**

**ClientID: SCSD**

EDF     Excel     Fax     Email     HardCopy     ThirdParty

<b>Report to:</b>		<b>Bill to</b>	<b>Requested TAT: 1 day</b>
Steve Clements	Email: sclements@scseng.com	Accounts Payable	
SCS Engineers	TEL: (925) 426-008    FAX: (925) 426-070	SCS Engineers	<i>Date Received 09/12/2007</i>
6601 Koll Center Pkwy, Ste 140	ProjectNo: #01203087.03; Freisman Ranch	6601 Koll Center Pkwy, Ste 140	<i>Date Printed: 09/12/2007</i>
Pleasanton, CA 94566	PO:	Pleasanton, CA 94566	

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0709257-001	CS2SW-1	Soil	09/12/07	<input type="checkbox"/>	A												
0709257-002	CS2SW-2	Soil	09/12/07	<input type="checkbox"/>	A												
0709257-003	CS2SW-3	Soil	09/12/07	<input type="checkbox"/>	A												
0709257-004	CS2SW-4	Soil	09/12/07	<input type="checkbox"/>	A												
0709257-005	CS2B	Soil	09/12/07	<input type="checkbox"/>	A												

**Test Legend:**

1	PB_S	2		3		4		5	
6		7		8		9		10	
11		12							

**Prepared by: Maria Venegas**

**Comments:**    24hr Rush

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **SCS Engineers**

Date and Time Received: **09/12/07 4:04:44 PM**

Project Name: **#01203087.03; Freisman Ranch**

Checklist completed and reviewed by: **Maria Venegas**

WorkOrder N°: **0709257** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Sample IDs noted by Client on COC? Yes  No
- Date and Time of collection noted by Client on COC? Yes  No
- Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes  No  NA
- Shipping container/cooler in good condition? Yes  No
- Samples in proper containers/bottles? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 6.2°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- TTLC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA

Client contacted:

Date contacted:

Contacted by:

Comments:



# McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers  6601 Koll Center Pkwy, Ste 140  Pleasanton, CA 94566	Client Project ID: #01203087.03; Freisman Ranch	Date Sampled: 09/12/07
	Client Contact: Steve Clements	Date Received: 09/12/07
	Client P.O.:	Date Analyzed 09/13/07

### Lead by ICP\*

Extraction method SW3050B

Analytical methods 6010C

Work Order: 0709257

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0709257-001A	CS2SW-1	S	TOTAL	5.7	1	105
0709257-002A	CS2SW-2	S	TOTAL	6.7	1	104
0709257-003A	CS2SW-3	S	TOTAL	15	1	110
0709257-004A	CS2SW-4	S	TOTAL	17	1	105
0709257-005A	CS2B	S	TOTAL	12	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL^	NA	µg/L
	S	TOTAL	5.0	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



**QC SUMMARY REPORT FOR 6010C**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0709257

EPA Method 6010C			Extraction SW3050B			BatchID: 30569			Spiked Sample ID 0709257-005A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	12	50	87.2	86.9	0.224	10	92.9	92.6	0.323	70 - 130	20	80 - 120	20
%SS:	105	250	109	106	3.26	250	105	105	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 30569 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0709257-001A	09/12/07	09/12/07	09/13/07 9:42 AM	0709257-002A	09/12/07	09/12/07	09/13/07 9:44 AM
0709257-003A	09/12/07	09/12/07	09/13/07 9:47 AM	0709257-004A	09/12/07	09/12/07	09/13/07 9:50 AM
0709257-005A	09/12/07	09/12/07	09/13/07 9:34 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte

**APPENDIX C**

**KELLCO-MACS ASBESTOS AND LEAD-  
BASED PAINT SURVEY REPORT**

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A Creative Joint Venture For Better Environmental Solutions

**DAIRY BUILDING  
1600 FREISMAN RD.  
LIVERMORE, CA 94588**



**KELLCO JOB #0708-17**

**LIMITED PRE-DEMOLITION  
ASBESTOS AND LEAD INSPECTION REPORT**

**FOR**

**SCS ENGINEERS  
6601 KOHL CENTER PARKWAY  
SUITE 140  
PLEASANTON CA 94566**

**August 23, 2007**





A Creative Joint Venture For Better Environmental Solutions

## LIMITED PRE-DEMOLITION ASBESTOS AND LEAD PAINT INSPECTION REPORT

DATE: 8/23/07

KELLCO-MACS JOB #: 0708-17

CLIENT: SCS ENGINEERS  
6601 KOHL CENTER PARKWAY  
SUITE 140  
PLEASANTON CA 94566

LOCATION: DAIRY BUILDING  
1600 FREISMAN RD.  
LIVERMORE, CA 94588

DATE of INSPECTION: 8/13/07

INSPECTORS: R. Casey, SST #99-2567  
Tim C. Cannard, CAC 94-1395, DHS IMSD 764

DESCRIPTION OF THE INSPECTED AREA: The building was collapsed. It was composed of wood walls with plaster and paint interiors. The floor was concrete.

This is a limited inspection.

### **BACKGROUND**

This is a LIMITED pre-demolition inspection of a partially destroyed dairy building.

### **SYNOPSIS**

Asbestos was not found in the sampled materials

Lead paint was found in the tested paint.

The site included 55 gallon drums with unknown contents. There are also paint cans and open tubs of oil.

*California:* 3137 Diablo Avenue • Hayward, CA 94545-2701 • (510) 786-9751 • fax (510) 786-9625

*Nevada:* 1000 Bible Way # 54 • Reno, NV 89502 • (775) 323-5288 • fax (775) 323-3385

<http://www.kellcomacs.com> email: mailbox3137@kellcomacs.com



## ABOUT THE INSPECTION

The inspection performed was both visual and tactile. Samples were taken of suspect materials located at the interior and exterior of the survey area.

The inspection was a reasonable attempt to find suspect materials that were hidden within walls, behind structures, in vertical shafts or in areas not normally accessible. If any non-sampled materials are uncovered, these should be submitted for asbestos and/or lead paint analysis.

- **Asbestos Findings**

Asbestos samples were analyzed in the KELLCO-MACS laboratory, by Polarized Light Microscopy, the EPA's recommended method. Copies of the full laboratory reports are attached. These valuable reports can be utilized as future reference to determine if a particular material was tested.

Photographs of sampled materials are included. Sample locations are noted on the attached not-to-scale drawing.

The determination of a material to be Asbestos Containing Material (ACM) was made either by direct sampling or by homogeneity with at least one positive sample of the same material.

Materials that tested positive for asbestos are: **NONE**

Tested materials that were **none detected** for asbestos are:

LAB LOGIN #	FIELD SAMPLE #	LOCATION	MATERIAL NO ASBESTOS DETECTED
L167147-01	0708-17-1	Dairy, roofing	Grey roofing material
L167147-02	0708-17-2	Dairy, wall paint	White paint
L167147-03	0708-17-3	Dairy, roofing shingles	Red roofing shingle

- **Paint Findings**

Lead samples were analyzed by Atomic Absorption in the KELLCO-MACS laboratory. OSHA requires protection of workers from exposure to any lead. Paint should be considered as containing lead if it is the same color as any positive tested material, unless it has specifically been tested and shown to be **none detected** for lead. The following materials tested **positive** for lead:

LAB LOGIN #	FIELD SAMPLE	LOCATION	MATERIAL	LEAD PPM	LEAD WT%
P167149-1	L1	Dairy Building	Composite	229	0.02

**Paint of the same color as the above samples should be considered positive unless proven otherwise by direct sampling with results of "None Detected."**

- *Other Hazardous Materials*

The site included 55 gallon drums with unknown contents. There are also paint cans and open tubs of oil.

## **REGULATORY REQUIREMENTS**

The Environmental Protection Agency (EPA) defines Asbestos Containing Material as any material that contains greater than 1% asbestos. Materials containing greater than 1% asbestos must be removed prior to demolition or renovation.

Friable asbestos containing material is any material that can be crushed or pulverized by hand pressure when dry, or materials that can be rendered to a crumbled, pulverized, or powdered state when dry by crushing, sanding, sawing, shot blasting, or through demolition or renovation activities.

As stated by NESHAP regulations, any material that contains less than 10% asbestos using the visual estimation method can be point counted with gravimetric reduction. The Point Counting method is a much more accurate analytical method for determining the percent of asbestos in a particular material. If the Point Count method determines that the material contains less than 1% asbestos, the material being analyzed can be disposed of as a non-hazardous asbestos containing construction waste.

Removal or disturbance of material with any detectable amount of asbestos must be handled in accordance with OSHA regulations. Cal-OSHA registration is required if the material contains more than .1% asbestos (1/10<sup>th</sup> of a percent). If there is more than 100 feet (linear or square) of an asbestos containing material that will be abated or disturbed, a California State registered and licensed asbestos abatement contractor must perform the work. If there is less than 100 feet, the work does not require a licensed asbestos abatement contractor, but must still conform to Cal-OSHA regulations.

Removal or disturbance of any amount of lead paint requires adherence to the Cal-OSHA and DHS regulations, including proper training and certification for workers and supervisors

The OSHA lead (1532) regulations require that a Negative Initial Determination for lead exposure be made with paint that contains greater than 0.06% (600 ppm) of lead. Paint with less than 0.06% lead should still be treated within the OSHA guidelines, but with reasonable work practices should not generate OSHA action levels of lead exposure.

Building components with intact lead paint and no other hazardous materials can be disposed of as non-hazardous construction waste. Paint chips and debris must be disposed of as lead containing hazardous waste.

## **COMMENT REGARDING ALL LEAD CONTAINING MATERIALS:**

Lead is a known health hazard. Lead containing materials in good condition do not necessarily need to be removed if they are not disturbed; they should however be respected.

Painted surfaces that contain lead should be made known to contractors who may disturb them during their work. OSHA guidelines for workers in contact with lead paint apply if ANY detectable lead is found.

Anyone coming in contact with leaded paint should be advised not to disturb it without taking precautionary measures appropriate to avoid lead contamination or lead exposure.

## ANALYTICAL PROCEDURES

- ***POLARIZED LIGHT MICROSCOPY (PLM)***

Bulk samples were analyzed in accordance with U.S. EPA "Test Method for Determination of Asbestos in Bulk Building Materials, 1993," with inclusion of area percent estimates of the sample components. The use of the McCrone Color Dispersion Staining Technique supplements the analysis when considered useful by the analyst. The samples are prepared with refractive immersion oil and are examined under Polarized Light Microscopy (PLM). The accuracy of the visual estimate method is 1%.

As per the standard "...The accuracy in the determination of the presence or absence of asbestos of greater than 1 area percent asbestos is greater than 99%." ASTM Committee D22.05, 1/18/88, *Standard Method of Testing for Asbestos Containing Materials by Polarized Light Microscopy*. If the sample matrix is reduced to minimize non-asbestos components, the detection limit can be mathematically enhanced, based on the amount of material remaining after matrix reduction. This method is called gravimetric reduction. This method involves ashing and chemical dissolution of the sample.

- ***POINT COUNTING***

The Point Counting method is a much more accurate analytical method for determining the percent of asbestos in a particular material. KELLCO-MACS uses a muffle furnace to ash the sample and remove organic compounds. Hydrochloric acid is used to dissolve some of the non-asbestos minerals. Under this method a minimum of 125 points are counted from each of 8 different slide preparations of the same sample (total of 1000 points min.) If the **Point Count Method** determines that the material contains less than 1% asbestos, the material being analyzed can be treated as non-hazardous asbestos containing construction waste. **Note: ONLY the Point Count Method can be used for this determination.**

- ***ATOMIC ABSORPTION FOR LEAD***

Paint samples were collected for atomic absorption (AA) analysis. The detection limit for each sample depends upon many factors including the sensitivity of the instrument and the sample size. In the KELLCO-MACS laboratory utilizing flame AA, the detection limit is normally .01% or 100 parts per million (ppm).

## KELCO-MACS QUALIFICATIONS

KELCO-MACS is a creative joint venture offering hazardous materials and AIHA laboratory analyses. Our credentials include:

- The KELCO-MACS asbestos inspector is licensed with the State of California Department of Occupational Safety and Health (CAL-OSHA).
- The KELCO-MACS lead inspector is licensed by the Department of Health Services (DHS).
- The laboratory accreditations include:
  - **NVLAP PLM** for Asbestos: NIST National Voluntary Laboratory Accreditation Program certificate of accreditation for bulk **asbestos** analysis by polarized light microscopy (Accreditation #101948-1).
  - **AIHA** Accreditation for **Industrial Hygiene** Analytical Laboratory for PCM, and AA for lead (Accreditation #101786).
  - **AIHA Analyst Proficiency (NIOSH PAT)** (Accreditation # 11172)
  - **AIHA ELLAP** Accreditation for Lead: Accreditation for the **Environmental Lead** Laboratory recognized by the EPA as meeting the requirements of the National Lead Laboratory Accreditation Program established under Title X (Lab ID #11109).
  - **ELAP PLM** for Asbestos: California Department of Health Services, Environmental Laboratory Accreditation Program, certificate for bulk asbestos analysis (Certificate #2027)
  - **USDA Soil** permit #39484

The following supporting documents are attached to this report:

- Laboratory analytical reports
- Photographs of sample locations
- Floor plan or sketch showing sample locations

Please call KELCO if there are any questions and/or clarifications regarding this report. We look forward to working with you in the future.

Sincerely,

**KELCO-MACS**



Tim C. Cannard CAC #94-1395, DHS Lead #764  
Senior Project Manager

**MACS Lab, Inc.**  
3137 Diablo Ave  
Hayward, CA 94545-2701

510-786-9751

## Bulk Asbestos Analysis

### Report

#### PLM

Person to contact: Cory Suppes  
Contact phone: 510-786-9751  
FAX phone: 510-786-9625  
Sampled by: Richard Casey  
Sampled on: August 13, 2007  
Analyzed on: August 15, 2007 at: 08:51  
Corresponding invoice number: 167147

Job Number: 0708-17

Kellco Services  
3137 Diablo Ave

Hayward

CA 94545

Analyst: \_\_\_\_\_

DD

(signature)

Laboratory manager: \_\_\_\_\_

(signature)

Job Description: 1600 Freisman Rd. Livermore, Ca 94588

Lab Sample Number	Client Sample Number and Description	Asbestos detected?	Fibers present	Remarks
L167147-1 Dairy - Roofing - Grey	0708-17-1	<b>N.D</b>	< 1% Cellulose	Gray roofing material. Balance of sample is unspecified non-fibrous material.
L167147-2 Dairy - Wall Paint - White	0708-17-2	<b>N.D</b>	< 1% Cellulose	White paint. Balance of sample is unspecified non-fibrous material.
L167147-3 Dairy - Roofing - Shingles	0708-17-3	<b>N.D</b>	35% Synthetic	Red roofing shingle. Balance of sample is organic binders and unspecified non-fibrous material.

\* Chrysotile, Amosite, Crocidolite, Tremolite, Actinolite, and Anthophyllite are asbestos fibers. N.D.=None Detected PC =Point Counted

This report may not be reproduced except in full and with the permission of MACS Lab, Inc. This report relates only to the items tested. Samples will be destroyed after one month. Test per 40 Code of Federal Reg. Chap I (1-1-87) Part 763, Subpart F, Appendix A or current EPA method. Percentages are approximate. MACS Lab is an accredited laboratory of the National Voluntary Laboratory Accreditation Program (NVLAP) and is laboratory number 101948. No product endorsement by NVLAP or any agency of the U.S. Government may be claimed as a result of this analysis. Calif Dept of Health ELAP #2027. This method is not reliable for analysis of tile or other materials when fiber size is less than 10µ. TEM analysis should be used. Method Detection limit for asbestos is 1% per CA law. See QC page attached to this page for blank and retest data.



510-786-9751

Person to contact: Cory Suppes  
Contact phone: 510-786-9751  
FAX phone: 510-786-9625  
Samples received on: August 14, 2007  
Samples analyzed on: August 15, 2007 at: 15:19  
Report printed on: August 15, 2007 at: 15:19  
Corresponding invoice number: 167149  
Bias: 3.2% Precision: -1.4%

Kellco Services  
3137 Diablo Ave  
  
Hayward C A 94545

Duy Nguyen  
Analyst: \_\_\_\_\_  
DN (signature)  
Cory Suppes

Laboratory manager: \_\_\_\_\_  
(signature)

Job Number: 0708-17

Job Description: 1600 Freisman Rd. Livermore, Ca 94588

Lab Sample Number	Client Sample Number and Description	Calib #	Rcvd OK	Ac-cptd	Report'g Limit ppm	%	Lead ppm	mg/cm <sup>2</sup>
P167149-1	L1 Dairy Build / Comp	11540	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	98.4	0.0229	229	N/A

This report may not be reproduced except in full and with the permission of MACS Lab, Inc. This report relates only to the item(s) tested. For QC data refer to Calibration Number QA Report. MACS Lab is accredited by the American Industrial Hygiene Association (AIHA) for the analysis of lead in paint and soil (laboratory ID #11172). Some paint samples submitted contain substrate material that can't be removed from the paint layer. This may cause erroneous results. Proper field sampling techniques must be used. Analysis is performed on a flame Atomic Absorption Spectrometer. PPM= parts per million & 10,000 ppm = 1% Note: 1 mg/kg = 1 ppm NOTICE: FOR XRF Confirmation: When the actual sampled area is provided to the laboratory, the results can be calculated in mg/cm2 exactly like an XRF instrument result. Otherwise NO XRF comparison can ever be made because the lab analyzes only a portion of a normal sample and the area of a scrape can't be known after the fact. Without the area N/A is reported. Results are not blank corrected.



**Calibration # AA-11540**

Element Lead	Matrix: Paint	Method Detection Limit	0.25 µg/ml	
Date of Analysis	August 15, 2007	Analyst	DN	
	Measured Value	Target Value	Acceptance Criterion	
Standard value	0.0 µg/ml	0.00000 units	N/A	
Standard value	0.8 µg/ml	0.01320 units	N/A	
Standard value	2.0 µg/ml	0.03280 units	N/A	
Standard value	5.0 µg/ml	0.07880 units	N/A	
Standard value	10.0 µg/ml	0.15740 units	N/A	
	Slope	63.7477 µg/ml/unit	N/A	
	Intercept	-0.037920 µg/ml	N/A	
	Correlation coefficient	0.999966	1	≥ 0.99800 Acceptable
	0.25 µg/ml Reference	0.268 µg/ml	0.25	≥0.06 Acceptable
	Glassware rinse water	< 0.250 µg/ml	0	
	1st Matrix Blank	< 0.250 µg/ml	0	≤ 0.25 Acceptable
	Method Blank Beginning	-0.302 µg	0	≤ 12.5 Acceptable
	CCV Beginning	4.941 µg/ml	5.0000	± 10.0% Acceptable
	ICV Beginning	0.651 µg/ml	0.6000	± 10.0% Acceptable
	LCS Before sample 1	9.919 µg/ml	10.0299	± 10.0% Acceptable
	CCV Before sample 11	4.909 µg/ml	5.0000	± 10.0% Acceptable
	CCB Before sample 11	< 0.250 µg/ml	0	≤ 0.25 Acceptable
	Method Blank Before sample 11	0.654 µg	0	≤ 12.5 Acceptable
	CCV Before sample 21	N/A µg/ml	5.0000	± 10.0%
	CCB Before sample 21	N/A µg/ml	0	≤ 0.25
	2nd Matrix Blank	N/A µg/ml	0	≤ 0.25
	Method Blank Before sample 21	N/A µg	0	≤ 12.5
	CCV Before sample 31	N/A µg/ml	5.0000	± 10.0%
	CCB Before sample 31	N/A µg/ml	0	≤ 0.25
	Method Blank Before sample 31	N/A µg	0	≤ 12.5
	CCV After	4.896 µg/ml	5.0000	± 10.0% Acceptable
	CCB After	< 0.250 µg/ml	0	≤ 0.25 Acceptable
	Method Blank After	-1.259 µg	0	≤ 12.5 Acceptable
	LCS After	9.805 µg/ml	10.0299	± 10.0% Acceptable
	RLVS	0.268 µg/ml	0.2500	± 25.0% Acceptable
	Spike of sample 167123 -	1	473.2 µg	500.0 ± 25.0% Acceptable
	Spike of sample 0 -	0	N/A µg	0.0 ± 25.0%
	Spiked Duplicate 167123 -	1	491.0 µg	500.0 ± 25.0% Acceptable
	Spiked Duplicate 0 -	0	N/A µg	0.0 ± 25.0%
	Duplicate of sample 167123	1	≤ 112 ppm	≤ 113 ± 25.0% Acceptable
	Duplicate of sample 0 -	0	N/A ppm	± 25.0%

Note:  
 MDL= Minimum Detection Limit of the method (absolute)  
 ICV= Initial Calibration Verification  
 CCV= Continuing Calibration Verification  
 CCB= Continuing Calibration Blank  
 N/A = Not Applicable  
 LCS= Laboratory Control Sample - NIST SRM-1579  
 RLVS=Reporting Limit Verification Sample

Duplicate analyses are measurements of the variable of interest (in this case lead) performed identically on two subsamples of the same sample. The results from duplicate analyses are used to evaluate analytical or measurement precision but not the precision of sampling. Spiked samples are prepared by adding a known mass of the target analyte (in this case lead) to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. Spiked samples are used to determine the effect of the matrix on a method's recovery efficiency. The Method Blank is used to detect contamination from the laboratory. Accuracy is the degree of agreement between an observed value and an accepted reference value such as the LCS NIST SRM-1579 sample. Precision is the degree to which a set of observations or measurements of the same property conform to themselves. NEVER depend upon the laboratory to "fix-up" a poorly taken sample.

**MACS Lab, Inc.**  
 3137 Diablo Ave  
 Hayward, CA 94545-2701

510-786-9751

Client:  
 Kellco Services

Submission ID Number: **167149**

**AA Analysis Data Report**

NOTICE:  
 Instrument reading is in absorbance units  
 For solids (paint and soil):  
   Weight is in grams  
   Paint area (if present) is in sq cm  
 For air:  
   LPM= Liters per minute supplied by client  
   Minutes = duration of sample  
   m<sup>3</sup> (on report) means cubic meter  
 For wipe:  
   Area = Wipe area supplied by client in sq ft  
   ft<sup>2</sup> (on report) means square foot

Lead laboratory manager  
 or designee: \_\_\_\_\_

Samples received on: August 14, 2007

(signature)

— Samples analyzed on: August 15, 2007 at: 15:19

I verify that I have checked the records and the data entered here is accurate and matches the written records.

Sample #	Weight, LPM, or area	Solution vol ml	Instr. reading	Paint area or minutes
1	0.1270	50	0.00970	0

This report shows the data associated with the individual samples. This includes the MACS Lab, Inc. sample number, the sample weight digested, LPM, area wiped, dilution (solution volume), instrument reading in absorbance, paint area, time in minutes. By using the data on this page, and the slope and intercept found on the calibration curve page of this report one can calculate the concentration of analyte in the original sample. Be sure to use the calibration curve data for the sample tested (see sample results page for Calib. Number). In the case of paint and soil matrices multiply the slope times the absorbance and add the intercept. Multiply this number by the dilution and then divide by the weight. The result will be expressed in PPM. In the case of dust samples multiply the slope times the absorbance and add the intercept. Multiply this number times the dilution and adjust for the area wiped if it is not 1 sq ft. For air samples multiply the slope times the absorbance and add the intercept. Multiply this number by the dilution. This will be the number of µg of lead on the filter. Divide this number by the liters of air used and compute the concentration in cubic meters. A cubic meter contains 1000 liters. Note: in all cases if the concentration calculated by multiplying the slope times the absorbance and adding the intercept is below the MDL (method detection limit) value for that matrix substitute the MDL for the value calculated. This will be the Reporting Limit in PPM. (note: the MDL is shown only to 2 significant figures on this report which will result in slight differences between our and your calculations for this number).

The slope and intercept can be calculated using the absorbance and concentration (see the Quality Control Report) of the standards used in the analysis. This can be done by using linear regression analysis.



**APPENDIX D**  
**BAAQMD REGULATION 11, RULE 2**  
**NOTIFICATION AND APPROVAL**

---



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**COMPLIANCE &  
ENFORCEMENT  
DIVISION**

**Regulation 11, Rule 2**

**Acknowledgement of  
Notification and  
Payment of Fees**

8/27/2007

SCS Engineers  
6601 Koll Center Pkwy, Ste #140  
Pleasanton, CA 94566

Job No: 2V454  
Invoice No: 1TT18

The Bay Area Air Quality Management District (BAAQMD) acknowledges receipt of your payment and your Asbestos Removal or Demolition Plan described as: **Demolition**

Site address                      1600 Friesman Rd  
    Livermore, CA 94550

Start Date                         September 7, 2007

Completion Date                 September 12, 2007

Removal amounts of friable ACM   0 linear feet   0 square feet   0 cubic feet

Should it become necessary to revise this plan, please do so in the spaces provided below and immediately copy the District by fax or by mail.

**REGULATION 11-2 REVISION**

**BAAQMD J# 2V454**

REVISION #	START DATE	COMPLETION DATE
1	____/____/____	____/____/____
2	____/____/____	____/____/____
3	____/____/____	____/____/____
4	____/____/____	____/____/____
5	____/____/____	____/____/____

*NOTE: This form is not intended as a verification of either the completeness of your original notification or of its compliance with BAAQMD Regulation 11-2. If you have any questions about this acknowledgment, please call our office at (415) 749-4762.*

RECEIVED

AUG 28 2007

SCS ENGINEERS

---

# FAX COVER

---

**TO:**

**DATE:** August 24, 2007  
**NAME:** Demolition Notification  
**COMPANY NAME:** BAAQMD Compliance & Enforcement Div.  
**FAX NUMBER:** (415) 749-4658  
**PHONE NUMBER:** (415) 749-4762

## SCS ENGINEERS

---

Environmental Consultants

50 Sand Creek Road, Suite 306  
Brentwood, California 94513

Phone (925) 240-5152  
FAX (925) 240-5629

**FROM:** Steve Clements  
**JOB/OVERHEAD NUMBER:** 01203087.03  
**NUMBER OF PAGES:** 4

### COMMENTS:

Attached is the completed *Demolition Notification Form* for our client's project at 1600 Freisman Road in Livermore. Please note that this is a very small building (approximately 180 square feet) and that asbestos was not identified during the survey.

Please call me at (925) 240-5152 x24 if require a copy of the Asbestos Survey report or if you have any questions.

Thank you,



Steve Clements, PG, REA  
Project Manager  
SCS Engineers



# DEMOLITION REGULATION 11, Rule 2

## Notification Form

For Office Use Only

J# \_\_\_\_\_  
I# \_\_\_\_\_

### Site of Demolition

Site Address: 1600 Freisman Road Cross Street: El Charro Road  
 City: Livermore Zip: 94588  
 Owner/Operator Children's Hospital Phone ( 510 ) 428-3119  
 Specific Location of Project within Building/Address: Old Restroom Building East of Main Dairy Building  
 Check One:  Single Family Dwelling  Commercial  Multifamily Dwelling  Govt Bldg  School

### Contractor/Individual Performing Demolition

Name: Company/Individual SCS Engineers Contact: Steve Clements, PG, REA  
 Mailing Address: 6601 Koll Center Parkway, Suite 140  
 City: Pleasanton, CA Zip: 94566 Phone: ( 925 ) 240-5152 x24  
 Have you previously submitted notifications for other sites?  Yes  No

### Description of Demolition

Is this Demolition by Fire for Fire Training purposes?  yes  No  
 Is this Demolition ordered by a Government Agency?  yes  No  
 (Emergency only – attach copy of order)  
 If not Demolition for Fire Training, check applicable method:  
 Heavy Equipment  Implosion  By Hand  Other \_\_\_\_\_  
 Dates of Demolition: (Actual dates must be entered, "ASAP" or "SOON" will be rejected.)  
 Start: 09-07-07 Completion: 09-12-07  Weekend Work?  Night Work (After 5 PM)?

### Asbestos Survey Report

Name of company that conducted survey: Kellco-Macs  
 Address: 3137 Diablo Avenue  
 City: Hayward, CA Zip: 94545-2701 Phone: ( 510 ) 786-9751  
 Name of person who completed the survey: R. Casey CAC/SST #: SST#99-2567  
 Is /was asbestos present?  Yes  No  
 If yes, who will remove/has removed prior to demo? \_\_\_\_\_

### Form Preparation Information

This form prepared by: Steve Clements, PG, REA Title: Project Manager  
 Name: Company/Individual SCS Engineers Phone: ( 925 ) 240-5152 x24  
 Address: 6601 Koll Center Parkway, Suite 140 City: Pleasanton State: CA Zip: 94566

See Page Two to Complete This Form

Press here to clear form

## Required Information

Payment must be received before J# will be assigned. See Schedule L of Regulation 3 for appropriate fees.

Payment type:  Check  Cashier's Check  Money Order  Credit Card (Visa, MasterCard Only)  
(payments, other than credit card payment, must be mailed or delivered to: 939 Ellis St., San Francisco, CA 94109)

*I certify that the above information is correct and that I will comply with all of the requirements of the BAAQMD's regulations, as well as all other applicable federal, state and local requirements.*

Signature of Contractor or Person Performing Demolition: \_\_\_\_\_

Form: Demo-04:3/21/2005

## GENERAL INFORMATION

- ◆ This notification form shall be used to notify the BAAQMD of a **demolition** operation only. Notification is required for every demolition. All boxes must be completed. Appropriate fee payment must accompany each notification. Notifications may be faxed to (415) 749-4658, but job numbers will not be issued unless accompanied by a valid credit card authorization or until a valid check, cashier's check or money order for applicable fees is received.
- ◆ Notification shall be provided to the District at least 10 working days prior to commencement of demolition, or as early as possible prior to commencement of emergency demolition. The notification period will not start until a complete notification is submitted (see above).
- ◆ An Acknowledgement Letter is mailed to the contractor/person listed within 3 days of receipt of a complete notification. This should be checked for accuracy of data.
- ◆ If the job is postponed or cancelled, the District **must** be notified of a revision; the Acknowledgement Letter should be used to fax or mail the revision information. When cancelled, a cancellation fee will apply.
- ◆ For specifically-defined "Emergency" conditions, the 10 working day period will be waived. Notification must be made by fax, and the job number will be issued if accompanied with a faxed copy of a valid check, cashier's check or money order.
- ◆ For 4 or fewer unit residences, the 10 working day period may be reduced to 72 hours for an additional fee.

## INSTRUCTIONS

- ◆ **SPECIFIC LOCATION OF PROJECT:** Identify where the demolition is taking place if the site contains more than one building.
- ◆ **START AND COMPLETION DATES:** The start date is the date on which demolition of the facility or structure commences. Any revision to the start or completion dates must be submitted prior to the previously notified date(s). Under no circumstances may the revised start date be earlier than the 10<sup>th</sup> working day following the postmark or fax date of the original notification. If the start date is unknown, enter an estimated start date and revise the notification when the actual start date is known, but not later than the estimated start date.
- ◆ **FIRE TRAINING:** Reg. 11-2-206 includes "intentional burning" in the definition of demolition. Notification is required, the 10 working day requirement must be met and all Asbestos-Containing Material (ACM) >1% must be removed prior to fire training. The District's Open Burning Notification form must also be filed and the applicable requirements of Regulation 5 must be met.
- ◆ **SURVEY REPORT:** Provide information showing that prior to commencement of the demolition, a survey was performed to determine the presence of Regulated ACM (RACM). Indicate if there was/was not suspected ACM.
- ◆ **GOVERNMENT ORDERED DEMOLITION:** If an "Emergency" demolition (see above) is the result of a state or local agency declaring the building a public nuisance or structurally unsound and in danger of imminent collapse, a copy of the written order must accompany this notification.

**APPENDIX E**  
**CITY OF LIVERMORE DEMOLITION PERMIT**

---

**CITY OF LIVERMORE**

Community Development Department  
1052 S. Livermore Avenue  
Livermore, CA 94550  
Information: (925) 960-4410  
Inspections: (925) 960-4430  
Owner: Children's Hospital  
Contractor: STEARNS CONRAD AND SCHMIDT CONSULTING ENGINEERS INC  
Phone #: 925-336-0076

Building Permit No. DEM07029  
Issue Date: 09/05/2007  
Valuation: \$1,000.00  
Site Address: 1600 Friesman Road \*\*\*\*  
Parcel Number: 904 000100110

Owner Phone #: 510-428-3119  
Contractor

**DESCRIPTION OF WORK: Demo 180 sq ft building no water, or electrical, septic serves other buildings not to be removed at this time. (Friesman Dairy)**


**IMPORTANT**

Application is hereby made to the City of Livermore for a permit subject to the conditions and restrictions set forth on the front face of this application. Each person upon whose behalf this application is made and each person at whose request and for whose benefit work is performed under or pursuant to any permit issued as a result of this application agrees to, and shall, indemnify and hold harmless the City of Livermore, its officers, agents and employees from any liability arising out of the issuance of any permit resulting from this application.

**Licensed Contractor's Declaration:**

I hereby affirm that I am licensed under provisions of Chapter 9, commencing with Section 7000 of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: A HAZ License Number: 749678

Expiration Date: 05/31/2008 Contractor's Signature: 

**Owner-Builder Declaration:**

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professions Code: Any city which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is a licensed contractor pursuant to the provisions of the Contractors License Law (Chapter 9 [commencing with Section 7000] of Division 3 of the B & P Code) or that he or she is exempt therefrom and the basis for the alleged exception. Any violations of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P. Code:

The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as the owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P. Code: The Contractor's License Law does not apply to an owner of property of contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. 7044 B & P Code for this reason: Property Owner

Issued Date: \_\_\_\_\_ Owner Signature: \_\_\_\_\_

**Worker's Compensation Declaration:** I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: ZURICH AMERICAN INSURANCE COMP Policy Number: WC543484103

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Issued Date: \_\_\_\_\_ Applicant: \_\_\_\_\_

I certify that I have read this application and state that the above information is correct. I agree to comply with all City and State laws relating to the building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

Issued Date: 9/5/07 Signature of Owner or Contractor: 

**PLEASE NOTE: THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.**

Pursuant to Section 17951(d) of the California Health & Safety Code, you may be entitled to reimbursement of fees for inspections not performed within 60 days of notification of completed work.

COPY

# of Commercial Interior Demo		\$0.00
# of SFD to be demolished	0	
FEE		\$0.00
# of MFR or Comm to be demolished	1	
FEE		\$413.00
Special Inspections:		\$0.00
Off Hour Inspection:		\$0.00
Reinspection Fee:		\$0.00
Other Inspections:		\$0.00
Other Plan Review:		\$0.00
Constr & Demo Fee:		\$0.00
Constr & Demo Bond Fee:		\$0.00
<b>Total Demo Permit Fees:</b>		<b>\$413.00</b>



## Application to Demolish Buildings

A permit is required to demolish any buildings on residential, commercial or industrial property located within the City of Livermore. **Please read the information below, prepare the requested drawings and complete this application prior to applying for this permit.**

Submit two (2) copies of a site plan drawn to scale showing all the buildings and structures on the property. Indicate which building(s) are to be demolished and the height and square footage of each building. If applicable, indicate the location(s) of any septic tanks, leach fields and/or wells. Indicate how these systems will be abandoned and/or removed. Show the distance to pedestrian ways (sidewalk). **If applicable, show the type and location of pedestrian protection as required by Section 3303 of the current California Building Code. Prior to commencing work, a site inspection will need to be scheduled with the City of Livermore Building Division to verify compliance of proposed pedestrian protections (See attached City of Livermore Informational Bulletin No.49 for additional information).**

If the building(s) being demolished are 50 years old or more, *prior to issuance of the demo permit*, a photograph of each side of the building will need to be submitted to the Planning Division for the Heritage Preservation Committee to review. For questions regarding the Heritage Preservation Committee review process, contact the Planning Division at (925) 960-4450.

**Please complete the following information:**

Application Date: <u>9/5/07</u>	Permit Number (office use): <u>DEM 07029</u>
Applicants Name: <u>SCS Engineers (Attn: Steve Clements)</u>	Phone Number: <u>(925) 240-5752 x24</u>
Address of Building(s) to be Demolished: <u>1600 Freisman Road.</u>	
Property Owner Name: <u>Childrens Hospital</u>	Phone Number: <u>(510) 428-3119</u>
Property Owner Mailing Address: <u>2201 Broadway Ave., Suite 600, Oakland, CA 94612</u>	
Contractor Name: <u>SCS Engineers (Attn: Dino Garris)</u>	Phone Number: <u>(925) 336-0076</u>
Contractor Address: <u>6601 Rail Center Parkway, Suite 140, Pleasanton, CA 94566</u>	
Contractor License Type (A, B or C-21) and Number: <u>A 749678</u>	
Demolition *Valuation (Total cost of the building(s) being removed) \$ <u>1000</u>	

\*Demolition projects of \$40,000 or more require submittal of a Waste Management Plan (WMP) in accordance with the City of Livermore Municipal Code, Title 15 Chapter 15.70.

PROJECT NUMBER DEM 07029

Applications & Forms AF-3 (Updated 1/9/06)

**REVIEWED**  
CITY OF LIVERMORE  
BUILDING DIVISION

City Hall  
Permit Center

Community Development Department  
1052 South Livermore Avenue  
Livermore, CA 94550

phone: (925) 960-4410      www.ci.livermore.ca.us  
fax: (925) 960-4419  
TDD: (925) 960-4104

SEP 05 2007  
BY: DEBBIE ELAM



Square Footage of Building(s) Being Removed: 180 ft<sup>2</sup>

Square Footage of Impervious Surface Being Removed (ie. Driveway, parking lot, walkways etc.):  
180 ft<sup>2</sup>

Commercial / Industrial buildings – Indicate the “use” of the Demolished Building(s) Vacant Rest Room Bldg

Method of Demolition & Removal (describe in detail): Remove w/ Excavator;  
Debris to be hauled to a landfill.

**Prior to the Issuance of the Demolition Permit** – Utility companies need to be notified & signatures obtained for the utilities indicated below to verify that services have been disconnected and terminated in an approved manor and that permission is granted to the Building Division of the Community Development Department to issue a demolition permit. Additionally, evidence of notification of demolition to Bay Area Air Quality Management District (BAAQMD) per Regulation 11, Rule 2 will be required.

**P.G. & E. (800-PGE-5000)**

NA (print name) [Signature] (signature)

**Water Resources (925-960-8100)**

\*Water Service: \_\_\_\_\_ (print name) \_\_\_\_\_ (signature)

Meter Size(s): \_\_\_\_\_ Serial Number(s): \_\_\_\_\_

Sewer Services: \_\_\_\_\_ (print name) \_\_\_\_\_ (signature)

\*California Water Service (925-447-4900):

\_\_\_\_\_ (print name) \_\_\_\_\_ (signature)

Meter Size(s): \_\_\_\_\_ Serial Number(s): \_\_\_\_\_

NA well on site

\*Water service is provided either by the City of Livermore or California Water Service Co. Only the signature of actual water service provider is needed.

**Bay Area Air Quality Management District (415-749-5000):**

Please indicate project “Job Number”: 2V454

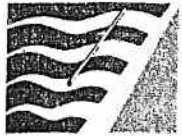
**REVIEWED**  
CITY OF LIVERMORE  
BUILDING DIVISION

SEP 05 2007

All of the above work is to be performed in accordance with Title 15 & 16 of the City Municipal Code & Bay Area Air Quality Management District.

[Signature] (Signature of Applicant) 9/5/07 (Date)

[Signature] (Building Official – Approval) 9/5/07 (Date)  
DEBBIE ELAM



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# COMPLIANCE & ENFORCEMENT DIVISION

Regulation 11, Rule 2

## Acknowledgement of Notification and Payment of Fees

8/27/2007

SCS Engineers  
6601 Koll Center Pkwy, Ste #140  
Pleasanton, CA 94566

Job No: 2V454  
Invoice No: 1TT18

The Bay Area Air Quality Management District (BAAQMD) acknowledges receipt of your payment and your Asbestos Removal or Demolition Plan described as: **Demolition**

Site address                    1600 Friesman Rd  
    Livermore, CA 94550

Start Date                      September 7, 2007  
Completion Date              September 12, 2007

Removal amounts of friable ACM  linear feet  square feet  cubic feet

Should it become necessary to revise this plan, please do so in the spaces provided below and immediately copy the District by fax or by mail.

<b>REGULATION 11-2 REVISION</b>	<b>BAAQMD J# 2V454</b>
---------------------------------	------------------------

REVISION #	START DATE	COMPLETION DATE
1	____/____/____	____/____/____
2	____/____/____	____/____/____
3	____/____/____	____/____/____
4	____/____/____	____/____/____
5	____/____/____	____/____/____

**NOTE:** This form is not intended as a verification of either the completeness of your original notification or of its compliance with BAAQMD Regulation 11-2. If you have any questions about this acknowledgment, please call our office at (415) 749-4762.

**REVIEWED**  
**CITY OF LIVERMORE**  
**BUILDING DIVISION**

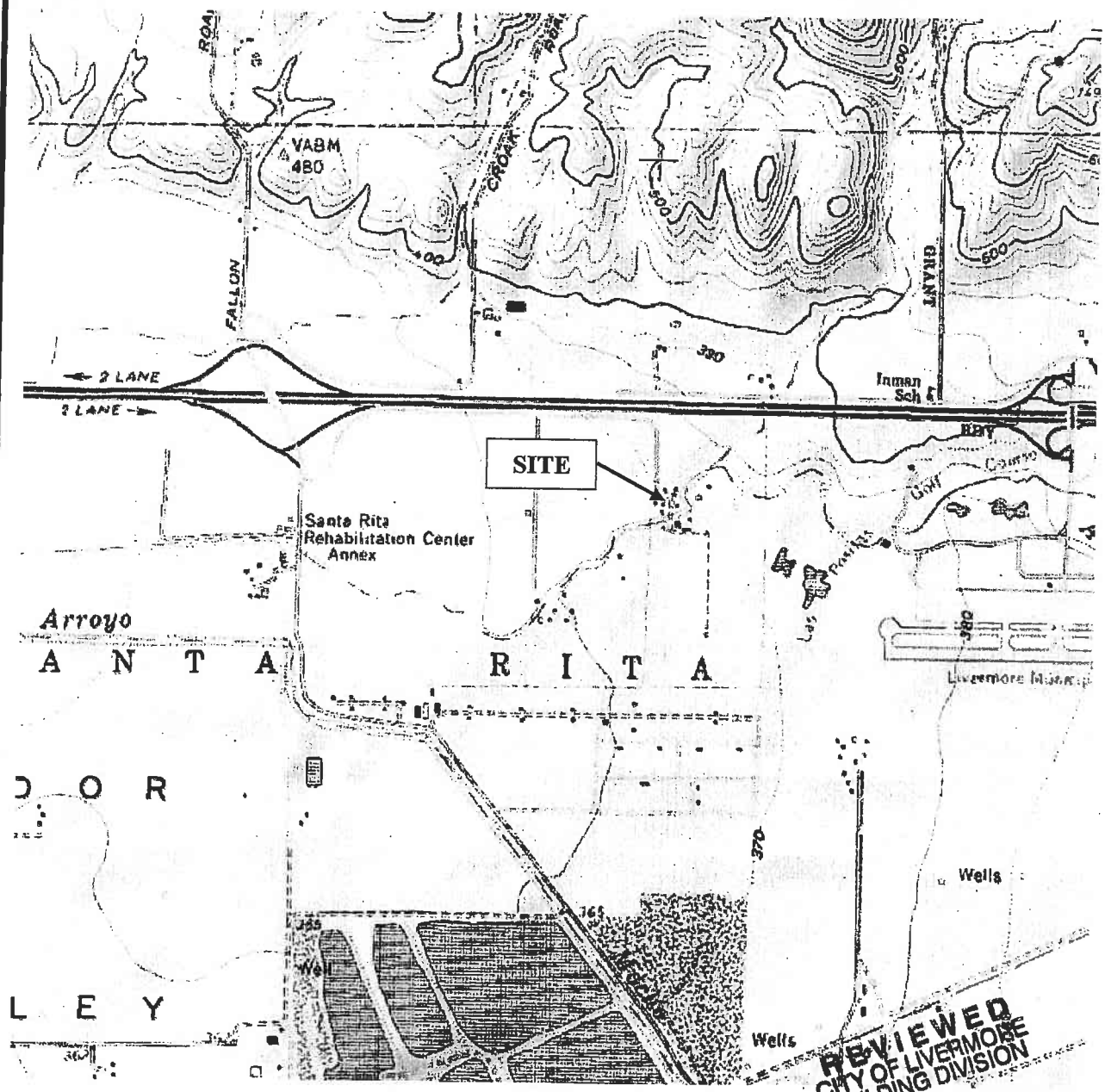
SEP 05 2007

BY: DEBBIE ELAM

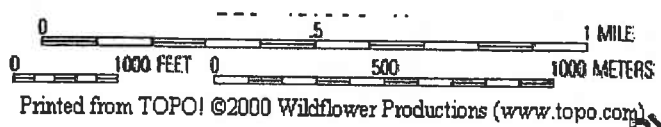
RECEIVED

AUG 28 2007

SCS ENGINEERS



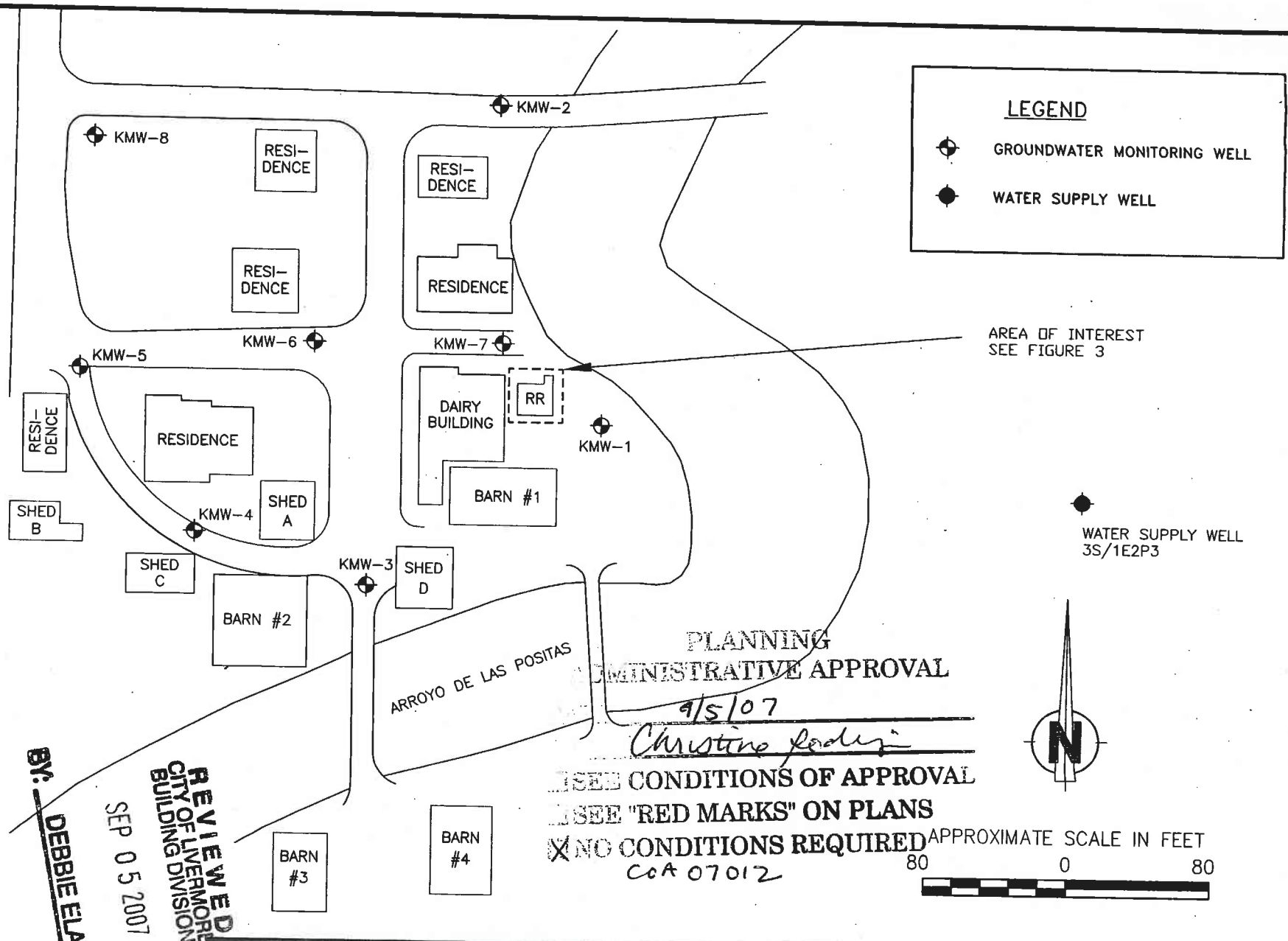
REVIEWED  
 CITY OF LIVERMORE  
 BUILDING DIVISION  
 SEP 05 2007  
 BY: DEBBIE EXAM



SOURCE: UNITED STATES GEOLOGICAL SURVEY LIVERMORE QUADRANGLE, CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC) MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPO SOFTWARE..

<b>SCS ENGINEERS</b>			6601 Koll Center Pkwy, Ste. 140 Pleasanton, CA 94566 (925) 426-0080
PROJECT NO: 01203087.02			
DESIGNED BY: TMS	SCALE: SHOWN	REVIEWED BY: SJC	
DRAWN BY: TMS	DATE: 1-07		

FIGURE 1  
**SITE LOCATION MAP**  
 FREISMAN RANCH PROPERTY  
 1600 FREISMAN ROAD  
 LIVERMORE, CALIFORNIA



BY: **DEBBIE ELAM**

REVIEWED  
CITY OF LIVERMORE  
BUILDING DIVISION  
SEP 05 2007

**SCS ENGINEERS**  
ENVIRONMENTAL CONSULTANTS

6801 KOLL CENTER PKWY, SUITE 140  
PLEASANTON, CALIFORNIA 94566  
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO.	01203087.03	DWN. BY:	HLG	ACAD FILE:	Figure 2.dwg
DATE	8-23-07	CHK. BY:	SJC	APP. BY:	S. Clements

SHEET TITLE:	SITE PLAN		SCALE:	AS SHOWN
PROJECT TITLE:	FREISMAN RANCH PROPERTY 1600 FREISMAN ROAD LIVERMORE, CALIFORNIA		FIGURE:	2

BASE:  
ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FREISMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

KMW-7

PUMP SHED  
(5.5 FEET HIGH)

ARROYO DE LAS POSITAS

**LEGEND**



ASPHALT



CONCRETE



GROUNDWATER MONITORING WELL

3' DIAMETER BY  
74" HIGH METAL TANK

2' DIAMETER BY  
60" HIGH METAL TANK

CONCRETE  
PAD

RESTROOM  
BUILDING  
(12 FEET HIGH)

DIRT

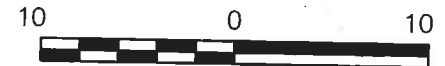
DIRT

BUILDING, PAVEMENT, AND  
MISCELLANEOUS TO BE DEMOLISHED

CONCRETE

DIRT

KMW-1



APPROXIMATE SCALE IN FEET

BY: **DEBBIE ELAM**

SEP 05 2007

**REVIEWED**  
CITY OF LIVERMORE  
BUILDING DIVISION

**SCS ENGINEERS**

ENVIRONMENTAL CONSULTANTS

6601 KOLL CENTER PKWY, SUITE 140  
PLEASANTON, CALIFORNIA 94566  
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO. 01203087.03

DATE 8/23/07

DRAWN BY: HLG  
ACAD FILE: Figure 3.dwg

CHECKED BY: SJC

APP. BY: S. Clements

SHEET TITLE:

RESTROOM BUILDING DEMOTION

PROJECT TITLE:

FREISMAN RANCH PROPERTY  
1600 FREISMAN ROAD  
LIVERMORE, CALIFORNIA

SCALE:

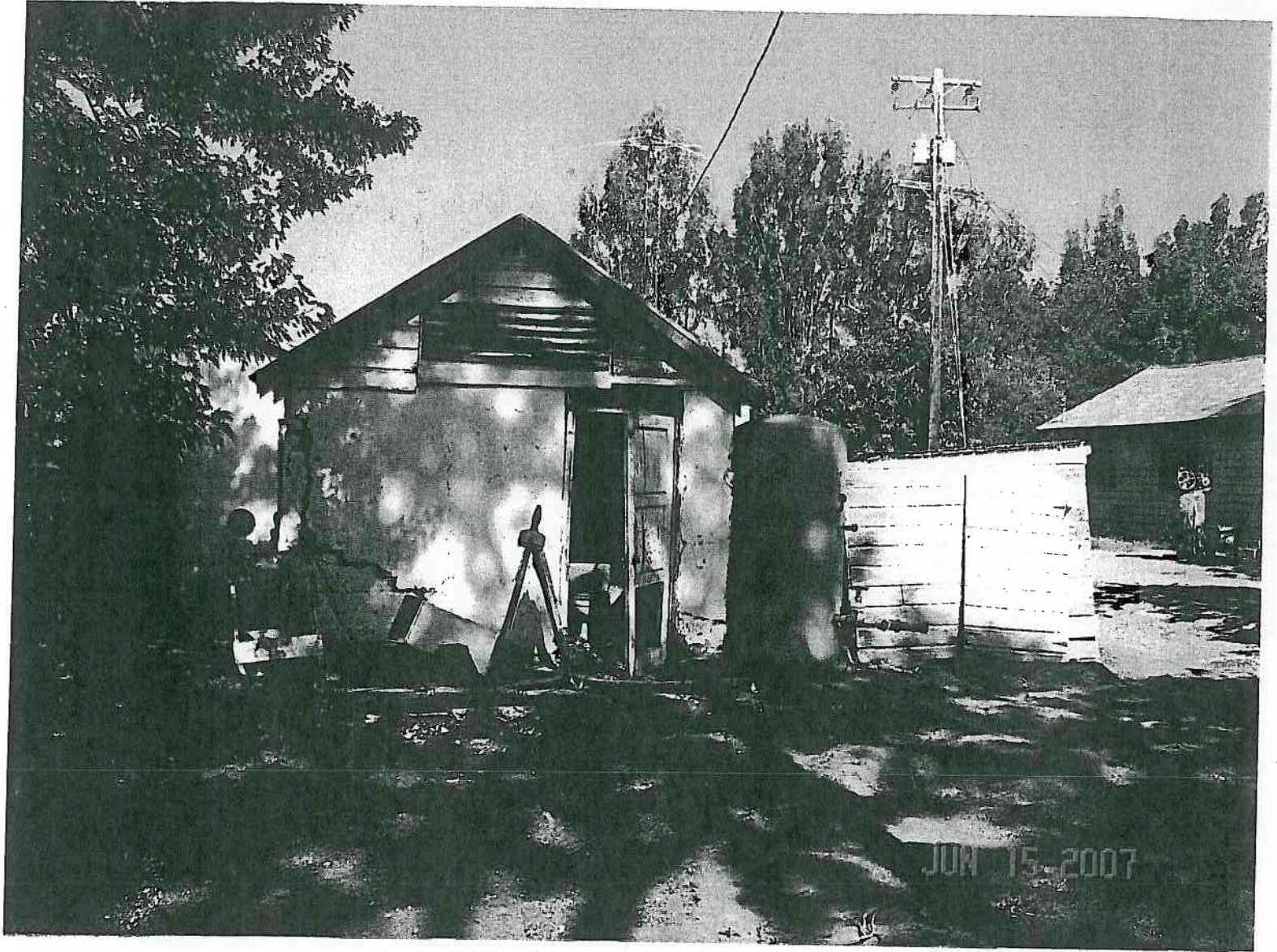
AS SHOWN

FIGURE:

3

BASE:  
ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER  
MONITORING REPORT, FIRST QUARTER 2003, FREISMAN RANCH  
PROPERTY, LIVERMORE, CALIFORNIA



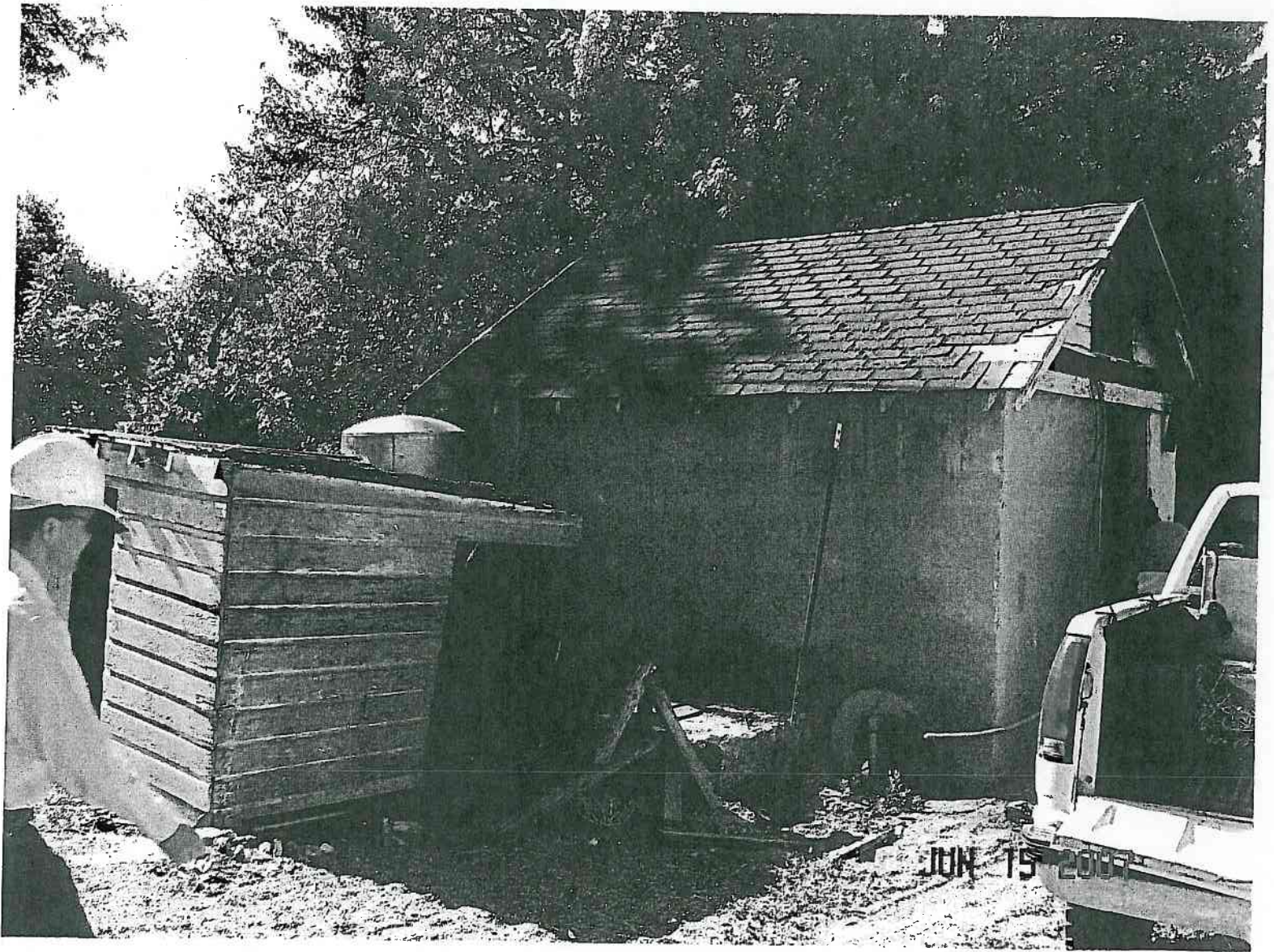


**REVIEWED**  
**CITY OF LIVERMORE**  
**BUILDING DIVISION**

SEP 05 2007

BY: DEBBIE ELAM



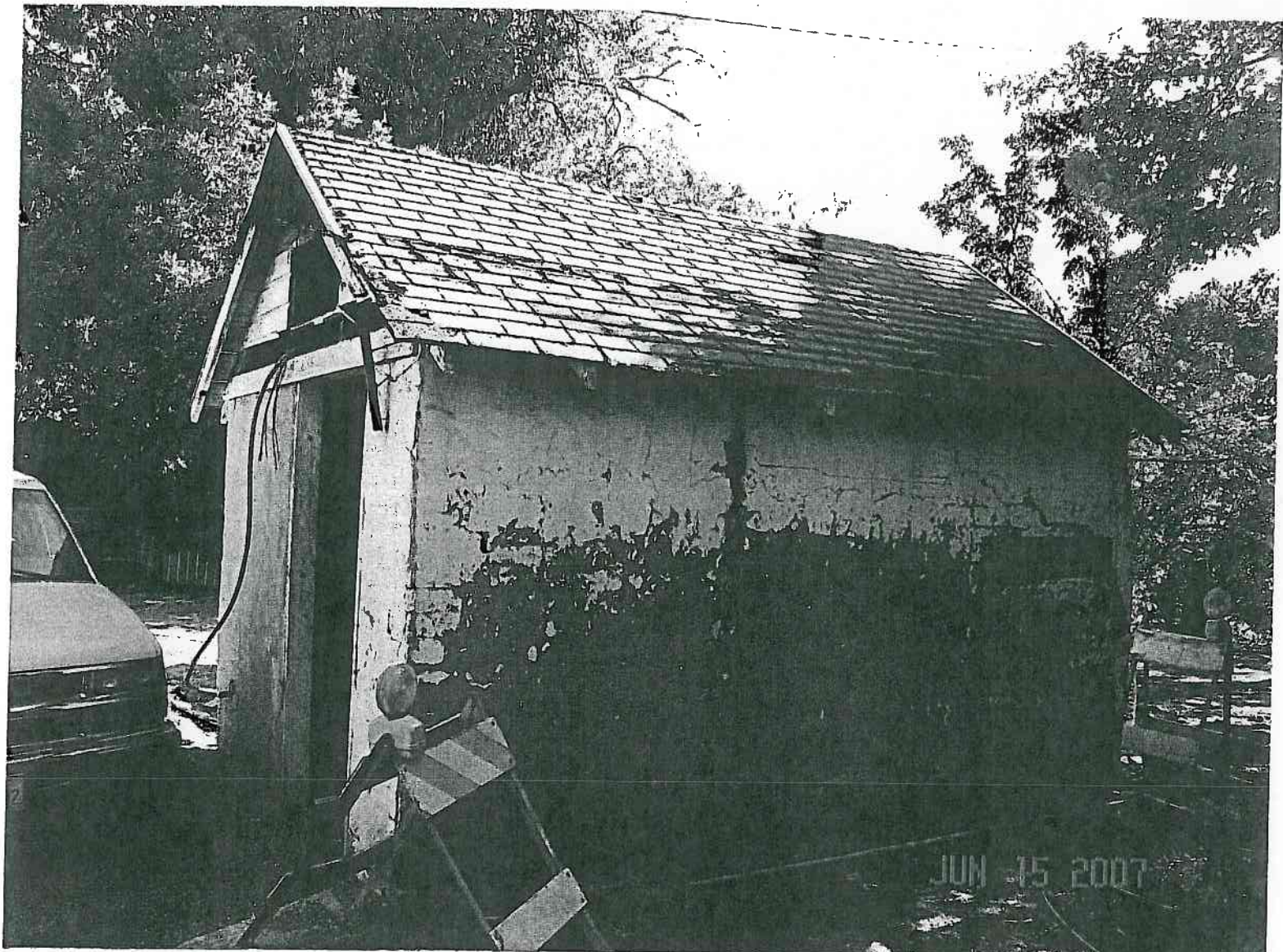


**REVIEWED**  
**CITY OF LIVERMORE**  
**BUILDING DIVISION**

SEP 05 2007

BY: DEBBIE ELAM





REVIEW  
CITY OF LIVERMORE  
BUILDING DIVISION

SEP 05 2007

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**APPENDIX F**  
**SOIL DISPOSAL MANIFESTS**

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number 002392206	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number <b>002392206 JJK</b>			
5. Generator's Name and Mailing Address <b>Children's Hospital 2201 Broadway, Ste 600 Oakland, CA 94609</b>		Generator's Site Address (if different than mailing address) <b>2201 Broadway, Ste 600 Oakland, CA 94609</b>						
6. Transporter 1 Company Name <b>D-V BESTC</b>		U.S. EPA ID Number <b>CA0982513632</b>						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address <b>Waste Management 10000 Skyway San Francisco, CA 94134</b>		U.S. EPA ID Number <b>W109046117</b>						
Facility's Phone:								
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.		002 DT 009 Y					
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information <b>Water resistant lining with drainage system</b>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offoror's Printed/Typed Name: <b>DIANE MANN VP, Children's Hospital Foundation</b> Signature: <i>[Signature]</i> Month: <b>5</b> Day: <b>10</b> Year: <b>07</b>								
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name: <b>Jim Skier</b> Signature: <i>[Signature]</i> Month: <b>5</b> Day: <b>11</b> Year: <b>07</b>				Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____				
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____							
	Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <b>H132</b>		2. _____		3. _____		4. _____		
20. Designated Facility Owner or Operator; Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name: <b>Jamie Ward</b> Signature: <i>[Signature]</i> Month: <b>05</b> Day: <b>11</b> Year: <b>07</b>								

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CAC002616247	2. Page 1 of	3. Emergency Response Phone 1-800-838-1477	4. Manifest Tracking Number 002392205 JJK	
5. Generator's Name and Mailing Address Children's Hospital Foundation 2201 Broadway, Oakland, CA 94612 Generator's Phone: 415-763-3110		5. Generator's Name and Mailing Address Fresman Ranch 1000 Fresman Ranch Pleasanton, CA 94566 Generator's Phone: 925-311-3110		Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name Wenbest		U.S. EPA ID Number CA0982513632				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Chemical Waste Management 25251 Old Skyline Road Kettleman City, CA 95659 559-386-4711 Facility's Phone:		U.S. EPA ID Number CA7000646117				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes
1.	RQ, Environmentally Hazardous Substances, Solid, N.O.S., (UN3077, PG II, 20kg)	002 DT 018		Y		All
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Profile #CA103149 Wear Proper Clothing When Handling Material. generator date 8/6 9/14/07 per Todd Sison @ SCS. 10207 CP31279						
15. GENERATOR/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (ii) (I am a large quantity generator) or (b) (I am a small quantity generator) is true. Generator's/Offor's Printed/Typed Name: DIANE MANN, VP Initiating Action, Children's Hospital Fdn Signature: [Signature] Month: 15 Day: 10 Year: 07						
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Tim Skiner Signature: [Signature] Month: 9 Day: 14 Year: 07 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:						
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator): Month: Day: Year:						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
1.	H152					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18a Printed/Typed Name: Ginger Adams Signature: [Signature] Month: 9 Day: 14 Year: 07						

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY