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MATERIALS INFORMATION

Limited Asbestos and Lead-Based Paint Survey Report, Dated March 30, 2009

**LIMITED ASBESTOS AND LEAD-BASED
PAINT SURVEY REPORT
RAINBOW TRUCK INSPECTION FACILITIES
FALLBROOK, CALIFORNIA**

**CALTRANS DISTRICT 11 EA 275600
CONTRACT NO. 11A1638
TASK ORDER NO. 6**

March 30, 2009

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A report prepared for:

California Department of Transportation
District 11
4050 Taylor Street
San Diego, California 92110

Attention: Ms. Diane Vermeulen, PE, Department Task Order Manager

**LIMITED ASBESTOS AND LEAD-BASED PAINT SURVEY REPORT
RAINBOW TRUCK INSPECTION FACILITIES
FALLBROOK, CALIFORNIA
CALTRANS DISTRICT 11 EA 275600
CONTRACT NO. 11A1638
TASK ORDER NO. 6**

Kleinfelder Project No. 101854

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March 30, 2009

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1.0 INTRODUCTION AND BUILDING DESCRIPTION

1.1 INTRODUCTION

This report presents the results of the limited surveys conducted to assess the presence, quantities, and conditions of asbestos-containing materials (ACMs) and lead-based paint (LBP) materials at the Rainbow Truck Inspection Facilities, located off of Rainbow Valley Boulevard and Interstate 15, in Fallbrook, California, (site, Plate 1). The limited asbestos and lead-based paint surveys were performed per the Scope of Services in Task Order No. 6 of Contract No. 11A1638, and in accordance with Kleinfelder's "Workplan to Conduct Asbestos and Lead-Based Paint Surveys" dated February 5, 2009. Kleinfelder conducted the surveys on February 11, 2009 to evaluate the presence of ACM and LBP materials in the site's lean-to structure that will be affected during future demolition/renovation activities. The surveys are considered "limited" because only the site's lean-to structure was surveyed and destructive sampling methods were not utilized during the surveys.

1.2 BUILDING DESCRIPTION

The site's lean-to structure is attached to the site's garage/inspection area, and encompasses approximately 306 square feet. The lean-to structure houses an office, locker room, electrical closet, storage closet, and supply room. The lean-to structure is constructed of sheet metal or wood structural walls. Interior walls are finished with drywall or wood paneling. Flooring materials consist of bare concrete. The ceiling deck of the structure consists of wood, and roofing materials consist of corrugated metal.

1.3 PHYSICAL LIMITATIONS

The surveys included accessible areas of the interior and exterior of the lean-to structure attached to the garage/inspection area at the site. Since limited destructive sampling techniques were used, there is a possibility that additional ACMs, and/ or LBPs may be encountered in inaccessible areas (e.g. interstitial wall and ceiling spaces, under inaccessible flooring areas, etc.) during building renovation activities. For instance, undiscovered asbestos cement (transite) septic system pipe may be present within floor cavities in the surveyed areas.

In the future, suspect materials encountered during the subsequent renovation activities, which have not been assessed as part of this survey, either may be assumed to be asbestos-containing and handled accordingly, or may be sampled and analyzed to assess their asbestos content.

2.0 ASBESTOS SURVEY

2.1 ASBESTOS SURVEY METHODS

On February 11, 2009, Kleinfelder personnel conducted a visual survey of the lean-to structure portion of the site and collected representative bulk samples of building materials suspected to contain asbestos. Mr. Richard Stevenson, a California Occupational Safety and Health Administration (Cal-OSHA) Certified Asbestos Consultant (CAC) (No. 06-3992) performed the survey. The survey was completed in general accordance with the federal Asbestos Hazard Emergency Response Act (AHERA) methods (40 Code of Federal Regulations [CFR] Part 763) as a guideline. Limited destructive inspection and sampling methods were used, where possible, in the survey area.

The asbestos samples collected during the survey were delivered to Forensic Analytical in Rancho Dominguez, California, a U.S. Environmental Protection Agency (EPA) and California State certified laboratory and National Voluntary Laboratory Accreditation Program (NVLAP) participant for analysis by Polarized Light Microscopy (PLM). A summary of building material samples collected, sample locations, asbestos content, condition, friability, and area estimates are summarized in Table 1, Appendix A. A sample location map, indicating the locations of building material samples collected, is provided in Appendix B, Plate 2. Photographs of sample locations are presented in Appendix C. Copies of the analytical laboratory report and chain-of-custody forms are included in Appendix D.

2.2 ASBESTOS SURVEY RESULTS

Kleinfelder collected a total of 13 representative building material samples during the asbestos survey at the site. Based on our review of the results, the following ACMs are present at the site.

- Beige roof penetration mastic noted on the roof penetrations of the lean-to structure east roof (Sample Nos. RVTF-6A) contains 5 percent chrysotile asbestos. This material appeared to be in good condition and is estimated to encompass approximately 2 square feet. This material is classified as Category I non-friable ACM.

Table 2, provided in Appendix A, provides a summary of these building materials that were identified as containing asbestos. Plate 2 shows the approximate locations of these materials.

2.3 REGULATORY OVERVIEW FOR ASBESTOS

Regulatory oversight for the management, removal, and disposal of ACMs is provided by a variety of Federal, State, and local agencies.

The three primary regulations enforced by regulatory agencies that govern various activities (e.g., inspection, assessment, abatement, etc.) relating to ACMs include the following: AHERA, National Emission Standards for Hazardous Air Pollutants (NESHAP), and the Asbestos Construction Safety Standard (as codified in Federal OSHA and Cal-OSHA regulations). EPA regulations concerning the identification, handling, management, and abatement of ACMs (as found in the AHERA and NESHAP) are implemented locally by the San Diego County Air Pollution Control District (SDCAPCD). Both Cal-OSHA and Federal OSHA regulate asbestos as a worker health and safety issue. In addition, the transportation and disposal of asbestos-containing wastes are overseen by the California EPA Department of Toxic Substance Control (DTSC). The Federal OSHA, EPA, DTSC, and SDCAPCD define ACMs as materials containing greater than 1 percent asbestos.

The following is a brief description of the three major regulations relating to ACMs.

Asbestos Hazard Emergency Response Act (AHERA)

AHERA (40 CFR part 763), as implemented by the EPA, primarily pertains to the assessment and management of ACMs in Kindergarten (K) through 12, non-profit schools. However, many of the procedures, training requirements, and certifications defined by AHERA have become the industry standard for all other facilities. For this survey, AHERA protocols were generally utilized in the identification, assessment, and sampling of building materials suspected of containing asbestos.

National Emission Standard for Hazardous Air Pollutants (NESHAP)

NESHAP (40 CFR Part 61) is an asbestos standard that protects the general public from asbestos exposure due to renovation or demolition activities. NESHAP requires surveying for suspect materials (as defined above), notifying of intent to renovate or demolish, removal of regulated ACM (RACM) prior to renovation or demolition, and proper management of asbestos containing wastes. A RACM is defined by NESHAP as follows:

- Any friable ACM;
- A Category I non-friable ACM (such as floor tiles and asphalt roofing products) that has become friable or will be subject to sanding, grinding, cutting, or abrading during renovation or demolition activities; or
- A Category II non-friable ACM (all other non-friable ACMs) that has a high probability of becoming friable during demolition or renovation activities.

NESHAP requires that demolition activities be conducted with no visible emissions using wet methods. It should be noted that while NESHAP regulates renovation and demolition activities, it does not protect individual workers conducting asbestos abatement or provide instructions for how asbestos abatement projects should be conducted.

Asbestos Standard for the Construction Industry

The Asbestos Standard for the Construction Industry (Federal OSHA, 29 CFR 1926.1101, and Cal-OSHA Title 8 California Code of Regulations [CCR] 1529) regulates asbestos exposure in the work place. This includes both persons working in a building containing ACMs and asbestos abatement workers/contractors. For abatement workers and contractors, the Asbestos Standard for Construction (Construction Standard) regulates the following:

- Protection of workers and the public during the removal;
- Medical surveillance requirements for workers;
- Detailed requirements for how asbestos is to be removed; and
- Training requirements for abatement personnel.

Cal-OSHA defines Asbestos Containing Construction Material (ACCM) as any building material that contains more than 0.1 percent (one-tenth of one percent) asbestos by weight. In addition, building materials presumed or known to contain at least “trace” amounts (not greater than 1 percent) of asbestos should be considered as ACCM, and should be managed according to Cal-OSHA regulations (as presented in Title 8, CCR, and Section 1529).

3.0 LEAD-BASED PAINT SURVEY

3.1 LEAD-BASED PAINT SURVEY METHODS

On February 11, 2009, Kleinfelder performed a survey of painted and/or coated surfaces in the survey area suspected to contain lead. Mr. Richard Stevenson, a California Department of Health Services (DHS) Certified Lead Inspector/Assessor (No. 14042) performed the lead-based paint (LBP) survey using the U.S. EPA, U.S. Housing and Urban Development (HUD), and DHS protocols as general guidance.

Predominant interior painted and/or coated surfaces were tested for the presence of lead utilizing a Niton XLp portable X-Ray Fluorescence (XRF) analyzer unit. The XRF allows for non-destructive/non-intrusive measurements of paints up to 3/8-inch thick. Measurements of painted surfaces by the XRF were recorded electronically and on field notations.

3.2 LEAD-BASED PAINT SURVEY RESULTS

Kleinfelder collected 48 XRF readings (including calibration checks) from painted building components suspected of containing LBP throughout the lean-to structure. A summary of the XRF measurements and various paints applied to building components is included in Appendix A as Table 3. Based on our review of results, lead-based paints or coatings were not identified at the lean-to structure portion of the site.

Based on visual observations and XRF readings, paint chip samples were not collected from painted or coated surfaces at the site. Loose and flaking paints observed at the site were not found to be LPBs, based on XRF readings.

3.3 REGULATORY OVERVIEW FOR LEAD-BASED PAINTS

The EPA, HUD, and California DHS define LPBs as paints containing greater than 0.5 percent lead by weight or 5,000 parts per million (ppm) or 1.0 mg/cm² total lead. Federal OSHA and Cal-OSHA regulations (Lead Construction Standard) do not provide a definition for “lead-based paint”, but do refer to the EPA, HUD, and DHS numbers mentioned above. Cal-OSHA is primarily concerned with worker protection and regulates any amount of lead contained within painted building components.

According to Cal-OSHA (Title 8 CCR Section 1532.1), employers may assume that disturbance of coatings or materials shown to contain less than 0.06 percent lead by weight (or 600 ppm lead) will not result in exposures above the applicable Action Level of 30 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), as long as workers are not performing any of the designated trigger tasks (such as building demolition, manual sanding or scraping, and abrasive blasting, etc.).

In addition, Cal-OSHA does provide a Permissible Exposure Limit (PEL) for worker exposure to airborne lead particles of $50 \mu\text{g}/\text{m}^3$ of air for an 8-hour time-weighted average. The Federal OSHA Lead Construction Standard also lists an Action Level of $30 \mu\text{g}/\text{m}^3$ for an 8-hour time-weighted average. Therefore, renovation or demolition activities that include materials with lead in any concentration could, under certain circumstances, trigger the Federal OSHA and Cal-OSHA regulations.

The concentrations of airborne lead generated by disturbing the paints at the site would vary based upon several factors, including the type of activity (including "trigger tasks") and the severity of disturbance to the building materials. Determination of airborne lead concentrations would require air monitoring during building material disturbance by a trained lead professional.

The results of the LBP survey should be provided to contractors and subcontractors performing work at the site that may disturb painted components.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon our survey and subsequent laboratory analysis, the following building materials contain asbestos:

- Beige roof penetration mastics.

Asbestos was not detected within the remaining building material samples analyzed. Lead-based paints or coatings were not identified during the survey of the lean-to structure portion of the site.

Any future demolition or renovation activities that could disturb the above-noted building materials that contain ACMs should be performed by properly trained and certified personnel, and in accordance with all Federal, State, and local regulations, as implemented by the Cal-OSHA, Federal OSHA, EPA, DTSC, and the SDCAPCD. Prior to any future demolition or renovation work, Kleinfelder recommends that the following actions be taken:

- The owner should provide notification to employees, contractors, and subcontractors as to the presence and location of ACMs at the lean-to structure portion of the site. Notification should be provided to those workers performing duties in areas where these materials may be reasonably accessed and disturbed. At this time, and in their current physical state, the identified ACMs do not pose a significant health risk as long as they are not disturbed.
- Prior to building demolition or renovations, the property owner should retain a State of California-licensed asbestos abatement contractor to perform the abatement of the ACMs at the lean-to structure portion of the site. The general contractor for the demolition project may be a source for local licensed abatement contractors. Kleinfelder can also provide names of licensed and qualified abatement contractors in the area upon request. ACMs should be removed and disposed of only by properly licensed asbestos abatement contractors in compliance with applicable Federal, State, and local regulations.
- A ten **working** day notification is required for every demolition project even when no ACMs are present, and for each abatement project where the amount of friable ACM is equal to or greater than 160 square feet or 260 linear feet. Prior to

the initiation of the demolition or abatement work, the abatement contractor must complete a *Notification of Demolition or Asbestos Removal* form and submit it with the appropriate permit fee to the SDCAPCD. The SDCAPCD will return the Notification form with a “notification number” to the abatement contractor.

- An advance written notification to the local Cal-OSHA office is required from a contractor regarding their "Intent to Conduct Asbestos Related Work".
- The general contractor should obtain a building demolition permit from the local building department. The local building department will request the “notification number” provided by the SDCAPCD in order to receive the demolition permit.

5.0 LIMITATIONS

Kleinfelder performed this survey in accordance with generally accepted standards of care practiced by other members of our profession in San Diego County, California at the time the work was completed. The completed survey was limited to the areas sampled and the number of samples collected. Our findings are limited to the conditions and results reported for the time the survey was completed. The survey was conducted using approved sampling methodologies from visible and accessible areas. A subsurface investigation was not a part of the scope of work. No warranty, expressed or implied, is made.

The findings of this survey report are not intended to be used as asbestos or lead-based paint abatement specifications, and should not be used as such.

The scope of services described here is not intended to be inclusive, to identify all potential concerns, or to eliminate the possibility of other environmental problems. Within current technology, no level of assessment can show conclusively that a property or its structures are completely free of hazardous substances. Therefore, Kleinfelder cannot offer a certification that the property is free of environmental liability. Kleinfelder will assume no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Kleinfelder offers a range of investigative and engineering services to suit the varying needs of our clients. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help understand and manage the degree of risk. Since such detailed services involve greater expense, our clients participate in determining the level of service that provides adequate information for their purposes at an acceptable level of risk.

This report may be used only by the client and only for the purposes stated within a reasonable time from its issuance, *but in no event later than one year from the date of the report*. Land or facility use, on and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued.

Non-compliance with any of these requirements by the client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party *and client agrees to defend, indemnify, and hold harmless Kleinfelder from any claim or liability associated with such unauthorized use or non-compliance.*

APPENDIX A

Tables

Table 1
Summary of Asbestos Survey Results
Rainbow Truck Inspection Facility
Fallbrook, California

Sample No.	Sample Description	Sample Location	Asbestos Content	Condition/Friability	Amount of Material
RVTF-1A	White Drywall/Off-White Joint Compound/Paint Skimcoat	Office, east wall	ND/ND/ND	NA	NA
RVTF-1B	White Drywall/Off-White Joint Compound/Paint Skimcoat	Office, north wall	ND/ND/ND	NA	NA
RVTF-1C	White Drywall/Off-White Joint Compound/Paint Skimcoat	Office, west wall	ND/ND/ND	NA	NA
RVTF-2A	Brown Base Cove/Off-White Mastic/Paint/Off-White Joint Compound	Office, north wall	ND/ND/ND/ND	NA	NA
RVTF-2B	Brown Base Cove/Off-White Mastic	Locker Room, south wall	ND/ND	NA	NA
RVTF-2C	Brown Base Cove/Off-White Mastic	Electrical Closet, north wall	ND/ND	NA	NA
RVTF-3A	Drop Ceiling Panel/Paint	Office	ND/ND	NA	NA
RVTF-3B	Drop Ceiling Panel/Paint	Locker Room	ND/ND	NA	NA
RVTF-3C	Drop Ceiling Panel/Paint	Electrical Closet	ND/ND	NA	NA
RVTF-4A	Metal Roof	East Roof	ND	NA	NA
RVTF-4B	Metal Roof	West Roof	ND	NA	NA
RVTF-5A	Roof Insulation/paint	West Roof, under roof panels	ND/ND	NA	NA
RVTF-6A	Beige Roof Penetration Mastic/Paint	East Roof, north side	5%/ND	Good/NF	2 SF

Notes:

ND= Non-detect

SF = Square feet

NA= Not Applicable

NF= Non-friable

Material quantities are estimates only, and are not intended for bidding purposes. Contractors are responsible for verifying quantities prior to bid.

Table 2
Summary of Asbestos-Containing Materials
Rainbow Truck Inspection Facility
Fallbrook, California

Asbestos Containing Material	Material Location	Asbestos Content	Condition/Friability/Category	Estimated Quantity
Beige Roof Penetration Mastic	Roof penetrations on east roof	5%	Good/NF/Category I	2 SF

Notes:

SF = Square feet

NF= Non-friable

Category- Designated NESHAPS Regulated ACM Category

Material quantities are estimates only, and are not intended for bidding purposes. Contractors are responsible for verifying quantities prior to bid.

Table 3
Summary of Lead-Based Paint Survey Results
Rainbow Truck Inspection Facilities
Fallbrook, California

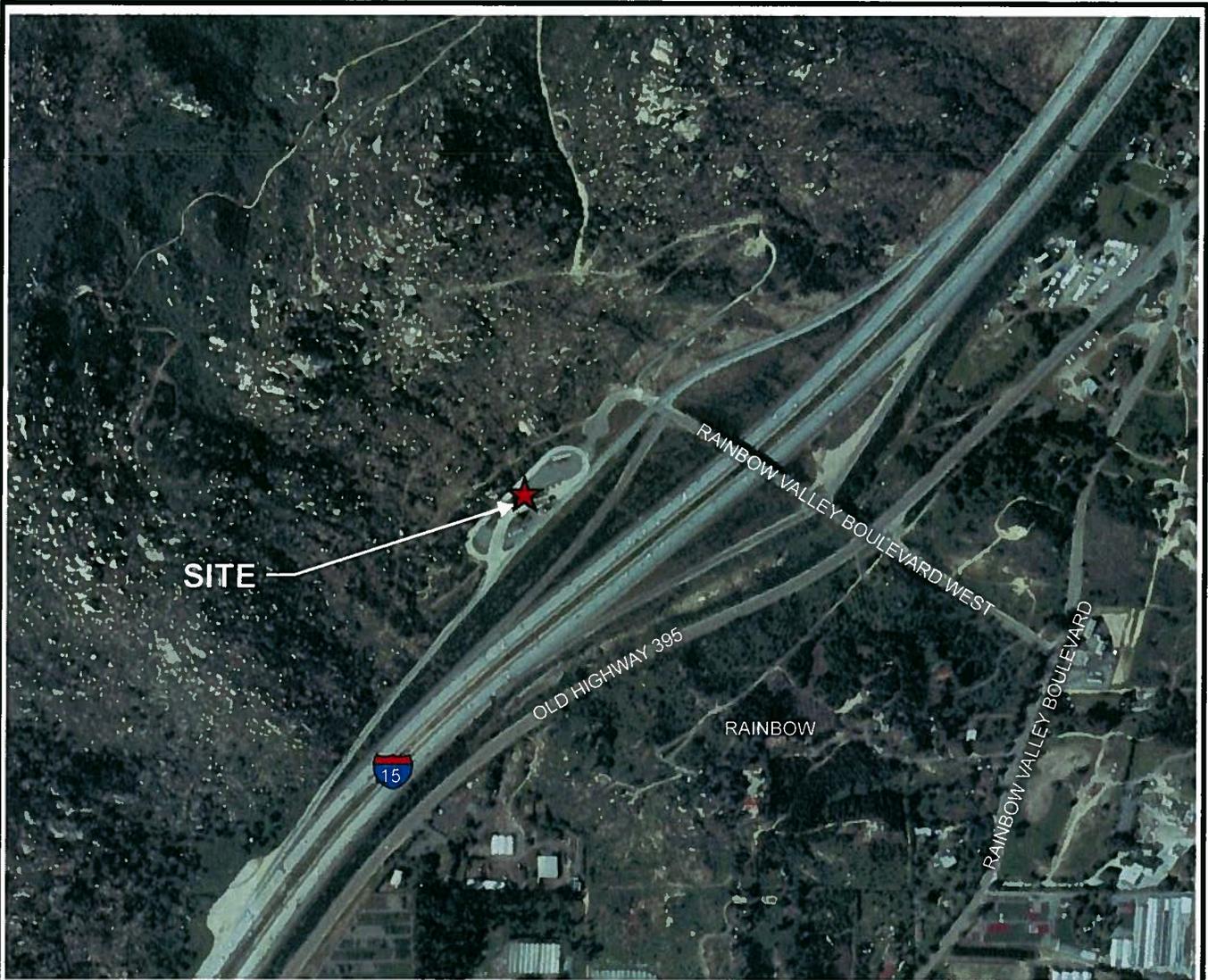
Reading No	Component	Substrate	Side	Condition	Color	Location	Results	mg/cm ²	+/- Error
1	CALIBRATION						Positive	1.1	0.1
2	CALIBRATION						Positive	1.2	0.2
3	Wall	Wood	A	Intact	White	Electrical Closet	Negative	0.0	0.02
4	Wall	Wood	B	Intact	White	Electrical Closet	Negative	0.0	0.02
5	Wall	Wood	C	Intact	White	Electrical Closet	Negative	0.0	0.02
6	Wall	Wood	D	Intact	White	Electrical Closet	Negative	0.02	0.07
7	elec panel	Metal	D	Intact	White	Electrical Closet	Negative	0.0	0.02
8	shelf	Wood	C	Intact	White	Electrical Closet	Negative	0.0	0.02
9	Door Frame	Metal	A	Intact	White	Electrical Closet	Negative	0.0	0.02
10	Door	Metal	A	Intact	Blue	Electrical Closet	Negative	0.0	0.02
11	Window Frame	Wood	A	Intact	White	Office	Negative	0.0	0.02
12	Window Frame	Wood	A	Intact	White	Office	Negative	0.0	0.02
13	Wall	Drywall	A	Intact	White	Office	Negative	0.0	0.02
14	Wall	Drywall	B	Intact	White	Office	Negative	0.0	0.02
15	Wall	Drywall	C	Intact	White	Office	Negative	0.0	0.34
16	Wall	Drywall	D	Intact	White	Office	Negative	0.0	0.02
17	Door	Metal	B	Intact	Blue	Office	Negative	0.0	0.02
18	Door Frame	Metal	B	Intact	White	Office	Negative	0.0	0.02
19	Door Frame	Metal	B	Intact	White	Locker Room	Negative	0.0	0.02
20	Door	Metal	B	Intact	Blue	Locker Room	Negative	0.0	0.02
21	Wall	Wood	A	Intact	White	Locker Room	Negative	0.0	0.02
22	Wall	Wood	B	Intact	White	Locker Room	Negative	0.0	0.02
23	Wall	Wood	C	Intact	White	Locker Room	Negative	0.0	0.02
24	Lockers	Metal	D	Intact	Brown	Locker Room	Negative	0.0	0.02
25	Door	Wood	C	Intact	White	Storage Closet	Negative	0.0	0.02
26	Door Frame	Wood	C	Intact	White	Storage Closet	Negative	0.0	0.02
27	Window Frame	Metal	A	Intact	White	Supply Room	Negative	0.0	0.02
28	Wall	Metal	A	Intact	White	Supply Room	Negative	0.0	0.02
29	Wall	Metal	B	Intact	White	Supply Room	Negative	0.0	0.02
30	Door	Metal	D	Intact	Blue	Supply Room	Negative	0.0	0.02
31	Door Frame	Wood	D	Fair	Blue	Supply Room	Negative	0.0	0.02
32	Wall	Wood	A	Fair	White	Exterior	Negative	0.0	0.02
33	Wall	Metal	A	Fair	White	Exterior	Negative	0.0	0.02
34	Window Frame	Metal	A	Intact	White	Exterior	Negative	0.0	0.02
35	Wall	Metal	B	Intact	White	Exterior	Negative	0.0	0.03
36	Door	Metal	B	Intact	Blue	Exterior	Negative	0.0	0.02
37	Walkway Couolumn	Wood	B	Intact	Brown	Exterior	Negative	0.0	0.02
38	Wall	Metal	C	Intact	White	Exterior	Negative	0.0	0.02
39	Wall	Wood	C	Fair	White	Exterior	Negative	0.0	0.02
40	Wall	Wood	D	Fair	White	Exterior	Negative	0.0	0.02
41	Walkway Cover	Metal	C	Intact	White	Exterior	Negative	0.0	0.02
42	Walkway Cover	Wood	B	Intact	Brown	Exterior	Negative	0.0	0.02
43	Fascia	Wood	C	Poor	Brown	Exterior	Negative	0.0	0.02
44	Awning Beam	Wood	C	Intact	White	Exterior	Negative	0.01	0.04
45	Roof Tile	Metal	C	Poor	Red over Silver	Exterior	Negative	0.0	0.02
46	Roof Tile	Metal	C	Intact	Red	Exterior	Negative	0.0	0.02
47	CALIBRATION						Positive	1.0	0.1
48	CALIBRATION						Positive	1.1	0.1

Notes:

Bold text indicates XRF reading greater than 1.0 mg/cm²
 mg/cm² - milligrams per centimeter squared

APPENDIX B

Plates



NOT TO SCALE

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	PROJECT NO. 101854	SITE LOCATION MAP	PLATE
	DRAWN: 2/5/09		1
	DRAWN BY: JP	ASBESTOS AND LEAD-BASED PAINT SURVEY REPORT RAINBOW TRUCK INSPECTION FACILITY FALLBROOK, CALIFORNIA	
	CHECKED BY: RS		
FILE NAME: 101854_VIC.MXD			

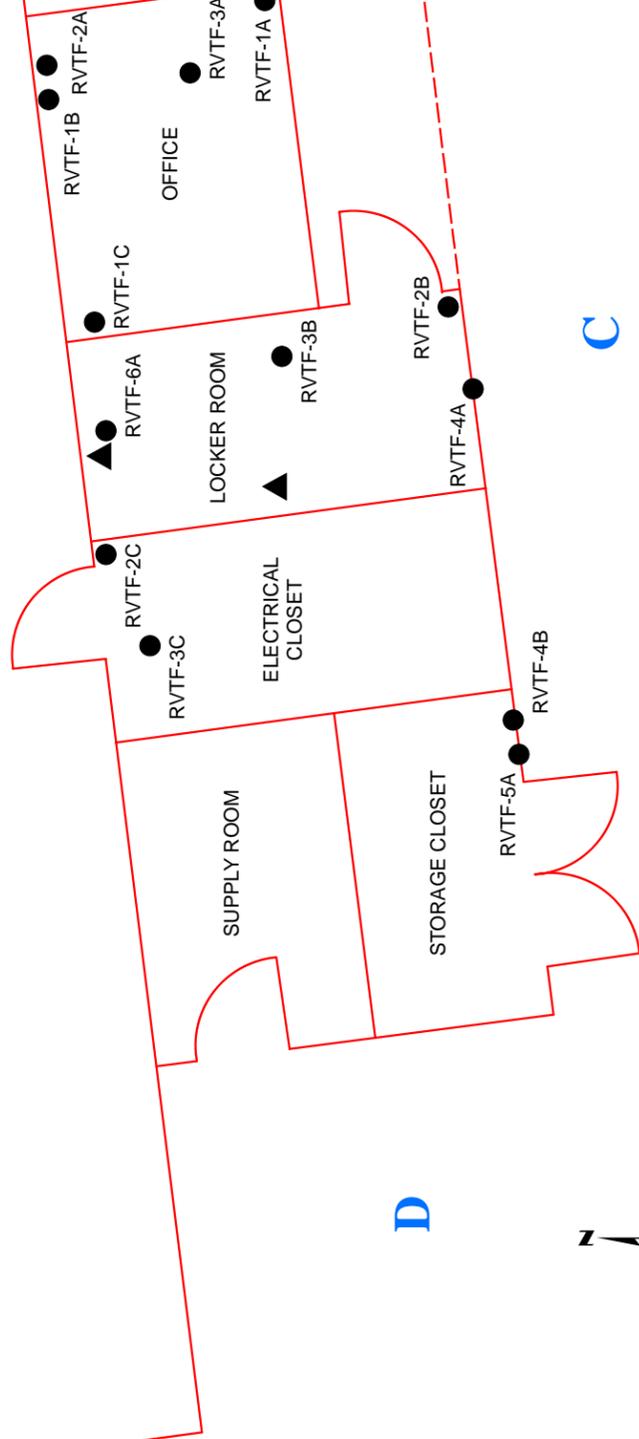
GARAGE/INSPECTION AREA

A

B

C

D



LEGEND

- APPROXIMATE LOCATION OF ASBESTOS BULK SAMPLE
- ▲ APPROXIMATE LOCATION OF NON-FRIABLE ASBESTOS-CONTAINING ROOF PENETRATION MASTICS
- A ORIENTATION OF LEAD-BASED PAINT SURVEY



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PROJECT NO. 101854	SAMPLE LOCATION MAP	PLATE 2
DRAWN: 2/19/09		
DRAWN BY: JP	ASBESTOS AND LEAD-BASED PAINT SURVEY REPORT RAINBOW TRUCK INSPECTION FACILITY FALLBROOK, CALIFORNIA	
CHECKED BY: RS		
FILE NAME: 101854site.MXD		

APPENDIX C

Photographs



VIEW OF SURVEYED STRUCTURE FROM SOUTH.



VIEW OF SURVEYED STRUCTURE FROM THE WEST.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p1_PP.dwg

SITE PHOTOGRAPHS

RAINBOW TRUCK INSPECTION FACILITY SURVEY
FALLBROOK, CALIFORNIA

PLATE

1



VIEW OF SURVEYED STRUCTURE FROM THE NORTHWEST.



VIEW OF SURVEYED STRUCTURE FROM EAST.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p2_PP.dwg

SITE PHOTOGRAPHS

RAINBOW TRUCK INSPECTION FACILITY SURVEY
FALLBROOK, CALIFORNIA

PLATE

2



RVTF-1A SAMPLE LOCATION-OFFICE WALL.



RVTF-1B SAMPLE LOCATION-OFFICE WALL



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p3_PP.dwg

SITE PHOTOGRAPHS

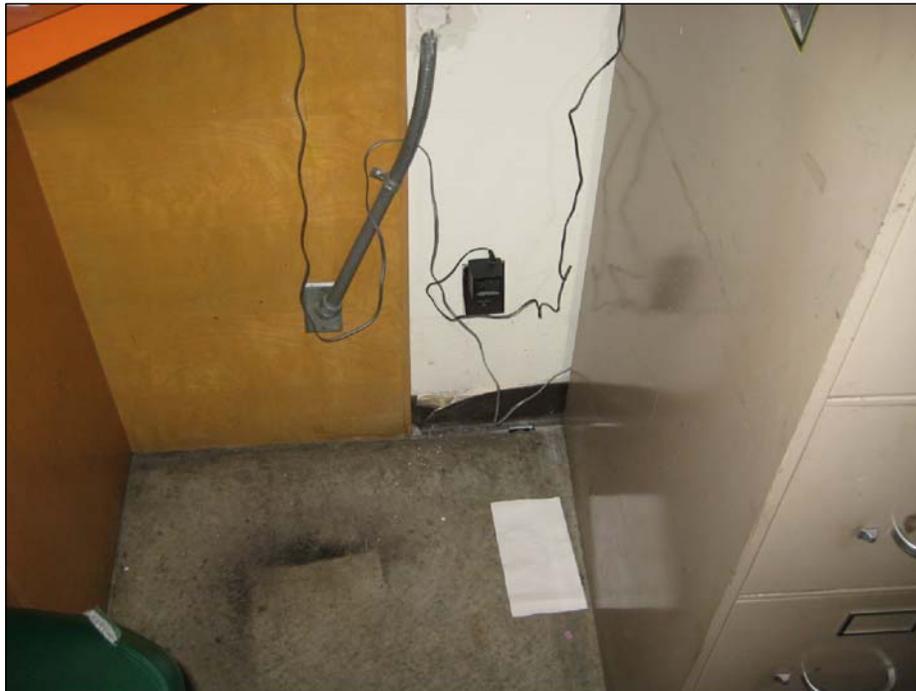
RAINBOW TRUCK INSPECTION FACILITY SURVEY
 FALLBROOK, CALIFORNIA

PLATE

3



RVTF-1C SAMPLE LOCATION-OFFICE WALL.



RVTF-2A SAMPLE LOCATION-BASE COVE AND MASTIC IN OFFICE.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p4_PP.dwg

SITE PHOTOGRAPHS
RAINBOW TRUCK INSPECTION FACILITY SURVEY FALLBROOK, CALIFORNIA

PLATE

4

ATTACHED IMAGES: Images: 10, RVTF-2C sample location-Base cove and mastic in electrical closet.jpg Images: 9, RVTF-2B sample location-Base cove and mastic in locker room.jpg
 ATTACHED XREFS: DIAMOND BAR, CA
 CAD FILE: L:\2009\CADD\101854\ LAYOUT: 5
 PLOTTED: 20 Feb 2009, 8:50am, MGriffin



RVTF-2B SAMPLE LOCATION-BASE COVE AND MASTIC IN LOCKER ROOM.



RVTF-2C SAMPLE LOCATION-BASE COVE AND MASTIC IN ELECTRICAL CLOSET.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p5_PP.dwg

SITE PHOTOGRAPHS

RAINBOW TRUCK INSPECTION FACILITY SURVEY
 FALLBROOK, CALIFORNIA

PLATE

5

ATTACHED IMAGES: Images: 11. RVTF-3A sample location-Ceiling tile in office.jpg Images: 12. RVTF-3B sample location-Ceiling tile in locker room.jpg

ATTACHED XREFS: DIAMOND BAR, CA CAD FILE: L:\2009\CADD\101854\ LAYOUT: 6

PLOTTED: 20 Feb 2009, 8:51am, MGriffin



RVTF-3A SAMPLE LOCATION-CEILING TILE IN OFFICE.



RVTF-3B SAMPLE LOCATION-CEILING TILE IN LOCKER ROOM.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p6_PP.dwg

SITE PHOTOGRAPHS

RAINBOW TRUCK INSPECTION FACILITY SURVEY
FALLBROOK, CALIFORNIA

PLATE

6



RVTF-3C SAMPLE LOCATION-CEILING TILE IN ELECTRICAL CLOSET.



RVTF-4A SAMPLE LOCATION-ROOF.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p7_PP.dwg

SITE PHOTOGRAPHS

RAINBOW TRUCK INSPECTION FACILITY SURVEY
FALLBROOK, CALIFORNIA

PLATE

7



RVTF-4B AND 5A SAMPLE LOCATIONS-ROOF AND ROOF INSULATION.



RVTF-6A SAMPLE LOCATION-ROOF PENETRATION MASTIC.



PROJECT NO.	101854
DRAWN:	02/18/09
DRAWN BY:	MRG
CHECKED BY:	RHS
FILE NAME:	101854p8_PP.dwg

SITE PHOTOGRAPHS

RAINBOW TRUCK INSPECTION FACILITY SURVEY
FALLBROOK, CALIFORNIA

PLATE

8

APPENDIX D

Analytical Data Report and Chain of Custody Forms



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Kleinfelder, Inc.
Rich Stevenson
8 Pasteur
Suite 190
Irvine, CA 92618

Client ID: 6640
Report Number: B121430
Date Received: 02/13/09
Date Analyzed: 02/18/09
Date Printed: 02/18/09
First Reported: 02/18/09

Job ID/Site: 101854; Rainbow Truck Facility

FASI Job ID: 6640

Date(s) Collected: 02/11/2009

Total Samples Submitted: 13

Total Samples Analyzed: 13

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
RVTF -1A	50497154						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
RVTF -1B	50497155						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
RVTF -1C	50497156						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
RVTF -2A	50497157						
Layer: Brown Non-Fibrous Material			ND				
Layer: Off-White Mastic			ND				
Layer: Paint			ND				
Layer: Off-White Skimcoat/Joint Compound			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
RVTF -2B	50497158						
Layer: Brown Non-Fibrous Material			ND				
Layer: Off-White Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Kleinfelder, Inc.

Report Number: B121430

Date Printed: 02/18/09

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
RVTF -2C	50497159						
Layer: Brown Non-Fibrous Material			ND				
Layer: Off-White Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
RVTF -3A	50497160						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
RVTF -3B	50497161						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
RVTF -3C	50497162						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
RVTF -4A	50497163						
Layer: Metal with Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
RVTF -4B	50497164						
Layer: Metal with Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
RVTF -5A	50497165						
Layer: Brown Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (Trace)							
RVTF -6A	50497166						
Layer: Beige Semi-Fibrous Material		Chrysotile	5 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace) Synthetic (10 %)							

Client Name: Kleinfelder, Inc.

Report Number: B121430

Date Printed: 02/18/09

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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Steven Takahashi, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

ASBESTOS BULK SAMPLE DATA SHEET

Kleinfeider, Inc. 8 Pasteur, Suite 190 Irvine, CA 92618 Tel: (949)727-4466 Fax: (949)727-9242	Project Name: Rainbow Truck Facility Project No.: 101854 Project Manager: Gary Goodemote Site Address: Rainbow, CA	Sampled By: Rich Stevenson Sampled By: Sampled By: Date Sampled: 2/11/09	Laboratory: Forensic Analytical 2959 Pacific Commerce Drive Rancho Dominguez, CA 90221
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CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)		Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory		
		Kleinfeider			/			
					/			
Sample ID	Building Number	Room Number	Sample Location		Sample Description	Quantity (SF/LF/E)	Friable (Y/N)	Condition
RVTF-1A			Office, east wall		white skimcoat / drywall joint compound			
RVTF-1B			Office, north wall		↓			
RVTF-1C			Office, west wall		↓			
RVTF-2A			office		brown base coat / skim cream mastic			
RVTF-2B			locker room		↓			
RVTF-2C			electrical room		↓			
RVTF-3A			office		2x3 ceiling tile, random dot pattern			
RVTF-3B			locker room		↓			
RVTF-3C			electrical room		↓			
RVTF-4A			east roof		corrugated metal roof			
RVTF-4B			west roof		corrugated metal roof			
RVTF-5A			west roof		brown fibrous material under roof			
RVTF-6A			east roof		roof penetration mastic			

APPENDIX E

Lead Hazard Evaluation Report

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation February 11, 2009

Section 2 — Type of Lead Hazard Evaluation (Check one box only)

Lead Inspection Risk assessment Clearance Inspection Other (specify) _____

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)] Rainbow Valley Boulevard and Interstate 15	City Fallbrook	County San Diego	Zip Code 92028
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Construction date (year) of structure 1960s	Type of structure (check one box only) <input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input checked="" type="checkbox"/> Other (specify) Caltrans Truck Inspection Facility
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Section 4 — Owner of Structure (if business/agency, list contact person)

Name Caltrans, District 11-Diane Vermeulen	Telephone number 619-688-3148
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Address [number, street, apartment (if applicable)] 4050 Taylor Street, MS-242	City San Diego	State CA	Zip Code 92110
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Section 5 — Results of Lead Hazard Evaluation (check all that apply)

No lead-based paint detected. Lead-based paint detected.
 No lead hazards detected. Lead hazards detected.

Section 6 — Individual Conducting Lead Hazard Evaluation

Name Richard Stevenson	Telephone number 949-727-4466
----------------------------------	---

Address [number, street, apartment (if applicable)] 8 Pasteur, Suite 190	City Irvine	State CA	Zip Code 92618
--	-----------------------	--------------------	--------------------------

CDPH certification number 14042	Signature 	Date 2/17/09
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Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656