

March 12, 2019

CAInc File: 17-358.1

Ms. Carolyn Davis, P.E.  
Quincy Engineering, Inc.  
11017 Cobblersrock Drive, Suite 100  
Rancho Cordova, California 95670

### **Asbestos Containing Materials (ACM)**

Replacement of Clover Creek Bridge at First Street  
Existing Bridge No. 14C-0015 / New Bridge No. 14C-0134  
Federal Project No. BRLO-5914(079)  
Lake County, California

Ms. Davis:

An Asbestos Containing Materials (ACM) assessment has been completed for the Clover Creek Bridge at First Street Replacement project located in Lake County, California. These services were completed in accordance with March 15, 2017 Standard Agreement for Subconsultant Services between Crawford & Associates, Inc. and Quincy Engineering.

### **SITE LOCATION**

The site is located on First Street where it crosses Clover Creek, approximately 210 feet (ft) east of the intersection of First Street and Washington Street in Lake County, California. Site coordinates are approximately latitude 39.164376°N and longitude 122.909049°W. The site location is shown on Figure-1.

### **ASSESSMENT**

On September 11, 2017, Certified Asbestos Consultant (CAC) Mr. Mike Lee, of National Analytical Laboratories, Inc. (NAL), conducted a site visit and collected samples of materials suspected to contain asbestos. Refer to the Asbestos Bridge Inspection Survey attached as Appendix I for the asbestos inspection methodology, sample locations and analytical test results.

### **CONCLUSIONS/DISCUSSION**

With respect to asbestos containing construction materials (ACCM), the NAL Asbestos Inspection reports the summary of findings as follows:

*The bridge inspection and analytical results indicate that no ACCM is present in the limited area that is being renovated. The contractor, his employees and/or his subcontractors, can complete their work, in the specific area tested, without any health and safety concerns in regards to the exposure of airborne asbestos fibers.*

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Any projects in which structures are demolished or renovated within Lake County are required to provide the written NESHAP notification to the Lake County Air Quality Management District (LCAQMD) at least 10 business days prior to conducting the work, regardless of the presence or absence of asbestos in building materials. The LCAQMD Asbestos Demolition/Renovation Notification Form is to be filled out by the contractor conducting the work (Appendix II). The CAC assessment must be attached to the form when it is submitted.

This assessment was based on our understanding of the project limits and anticipated construction as described herein. Additional study at specific locations might be warranted if the nature of bridge renovations differs from our current understanding and/or if site conditions change prior to construction of the new bridge.

**CRAWFORD & ASSOCIATES, INC.**

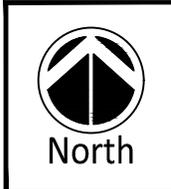
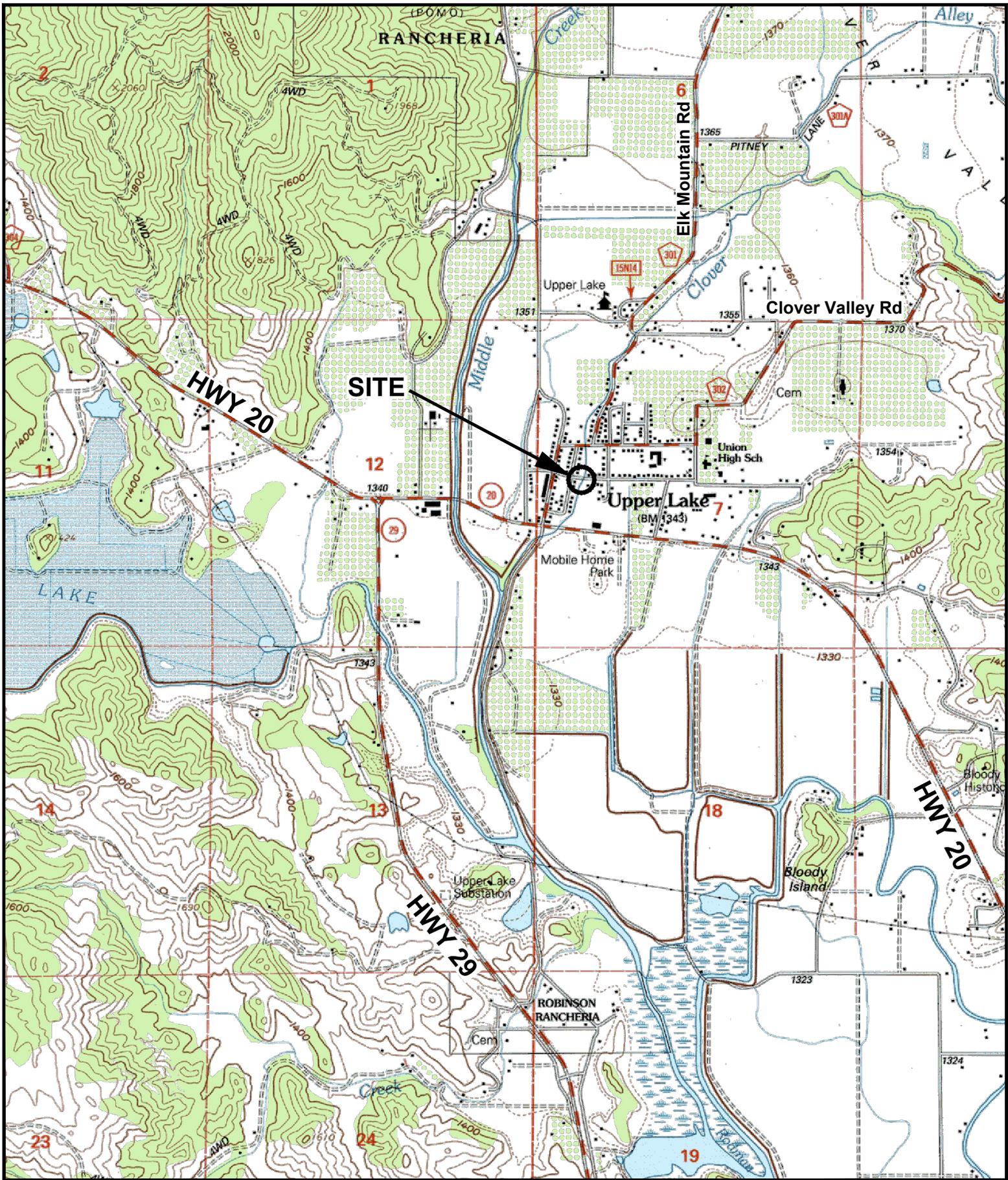


W. Eric Nichols, C.E.G., P.E.  
Principal



**Attachments:**

- Figure 1      Vicinity Map
  
- Appendix I    NAL Asbestos Bridge Inspection Survey
- Appendix II   Asbestos Demolition/Renovation Notification Form



Source: USGS "UPPER LAKE", CA QUADRANGLE 7.5 MINUTE SERIES (TOPOGRAPHIC), DATE 1996

**Crawford & Associates, Inc.**  
 Geotechnical Engineering, Design and Construction Services  
**Taber**  
 Since 1954

1100 Corporate Way  
 Suite 230  
 Sacramento, CA 95831  
 (916) 455-4225

Clover Creek Bridge at First Street  
 Existing Bridge No. 14C0015  
 LAKE COUNTY, CA

Figure 1  
 Vicinity Map

Proj. No: 17-358.1  
 Scale: 1"=2,000'  
 Date: 2/8/19

**Asbestos Containing Materials**

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**APPENDIX I**

NAL Asbestos Bridge Inspection Survey

**Asbestos Bridge  
Inspection/Survey**

**Upper Lake Bridge**

39.164376, -122.909049  
Upper Lake, CA 95485

**Presented to:**

Shawn Leyva  
Project Engineer

Crawford & Associates  
1165 Scenic Drive, Suite B  
Modesto, CA 95350

**Inspection Date:**

September 11, 2017

**Conducted by:**

Michael J. Lee  
Certified Asbestos Consultant  
Registered Environmental Property Assessor

**National Analytical Laboratories, Inc.**

2201 Francisco Dr. Ste. 140-261  
El Dorado Hills, CA 95762

Office: (916) 361-0555 | Fax: (916) 361-0540  
E-Mail: [NAL1@NAL1.com](mailto:NAL1@NAL1.com) | Web Page: [www.NAL1.com](http://www.NAL1.com)



September 12, 2017

Shawn Leyva  
Project Engineer  
Crawford & Associates  
1165 Scenic Drive, Suite B  
Modesto, CA 95350

RE: **Asbestos Bridge Inspection/Survey**  
**Upper Lake Bridge**  
39.164376, -122.909049  
Upper Lake, CA 95485

Dear Mr. Leyva,

This report is in regards to the asbestos bridge inspection conducted at the Upper Lake Bridge, located at 39.164376, -122.909049, in Upper Creek, CA. **Of the three (3) suspected asbestos containing samples collected, none (0) were found to contain asbestos containing construction materials (ACCM).** Michael J. Lee, Certified Asbestos Consultant and Registered Environmental Property Assessor, for National Analytical Laboratories, Inc. (N.A.L.), conducted the inspection on September 11, 2017.

### ***SUMMARY OF FINDINGS -***

**The bridge inspection and analytical results indicate that no ACCM is present in the limited area that is being renovated.** The contractor, his employees and/or his sub-contractors, can complete their work, in the specific area tested, without any health or safety concerns in regards to the exposure of airborne asbestos fibers.

### ***ASBESTOS INSPECTION –***

The inspection was completed according to the EPA's Asbestos Containing Building Materials (ACBM) In-Schools Rule; 40 CFR 763.85 (Inspection and Re-Inspection). Currently, EPA regulations classify ACBM as materials containing more than 1-percent (1%) of asbestos. Cal-OSHA currently regulates asbestos to 1/10<sup>th</sup> of 1% (0.1%) and requires that a certified asbestos worker conduct this work.

Upon completion of the visual inspection, the suspect asbestos bulk sample materials were collected in accordance with EPA and OSHA protocol. They were placed into new, air tight, plastic bags, sealed, and identified with unique identification numbers. The bulk samples were transported to the laboratory under chain of custody protocol for analysis.

Breathe easy.....

There were no as-built drawings to review, so only a site visit was conducted. Once at the physical bridge site, Mr. Lee performed an entire bridge walk around and under to visually assess the bridge structure. The bridge system has Concrete Abutments, supporting a Concrete Deck, overlaid with Asphalt, with Concrete Rails.

No destructive sampling was conducted during the site visit, in the event that demolition work reveals any unforeseen suspect materials or if any future renovation work is to be conducted in other areas at the site; the contractor shall cease all work and contact the building owner for further testing.

MicroTest Laboratories, Inc., located in Fair Oaks, California, analyzed the bulk suspect asbestos containing samples, utilizing Polarized Light Microscopy (PLM) Method. National Voluntary Laboratory Accreditation Program (NVLAP), certification number 200999-0, certifies MicroTest Laboratories, Inc.

The location and results from this sampling are as follows:

Sample ID #	Material Description	Sample Location	Results
425-1	Abutment Concrete	Abutment System, Various Areas, 6 Hit Composite	None Detected
425-2	Deck Concrete	Deck System, Various Areas, 6 Hit Composite	None Detected
425-3	Rail Concrete	Rail System, Various Areas, 6 Hit Composite	None Detected

Included at the end of this report are the laboratory analytical results, chain of custody form, and asbestos sample location map. If you have any questions regarding this report or if we can be of further assistance, please contact our office.

Reviewed and submitted by:



Michael J. Lee  
 Certified Asbestos Consultant,  
 DOSH #06-4047  
 Registered Environmental Property Assessor,  
 REPA #716352750



**MicroTest™ Laboratories, Inc.**  
**NVLAP Lab Code 200999-0**  
**5150 Sunrise Blvd, Suite B-1 Fair Oaks, CA 95628**  
**Phone (916) 567-9808 or (800) 713-3334**  
**microtestlabsinc@yahoo.com**

<b>Client:</b> <b>NAL</b> 2201 Francisco Drive, Suite 140-2611 El Dorado Hills, CA 95762	<b>Contact Name:</b> Anthony De Arcos <b>Contact Name:</b> Paula Lee <b>Sampler:</b> Anthony De Arcos	<b>Accession #:</b> 104267-104269  <b>Analyst:</b> A. Nagra
<b>Project:</b> Upper Creek Bridge 425 First Street Upper Creek, CA	<b>Sample Date:</b> 09/11/17 <b>Receipt Date:</b> 09/12/17 <b>Report Date:</b> 09/12/17	<b>Samples Received:</b> 3 <b>Samples Analyzed:</b> 3

**Polarized Light Microscopy Test Report, EPA/600/R-93/116**

Sample ID	Description	Fibrous/Non-Fibrous Material	Asbestiform Minerals
Abutment System 425-1 Lab ID: 104267	Gray Concrete	Binder 99%	None Detected
Deck System 425-2 Lab ID: 104268	Gray Plaster	Binder 99%	None Detected
Rail System 425-3 Lab ID: 104269	Gray Plaster	Binder 99%	None Detected

This constitutes a final report. Due to the limitations of PLM, some samples classified as containing no asbestos in materials such as floor tiles, warrant a recommendation for further analysis by TEM. These results relate only to the items tested. This report shall not be reproduced except in full, without the written approval of the laboratory. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U. S. Government. All samples may be disposed of after 30 days, according to State/Federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



Laboratory Director: *Rebecca Hutt*

Analyst: *A. Nagra*

Analyst: *M. Nguyen*

104267-104269



# NAL LOG-IN RECORD

Login # 38589

Ph: 916.361.0555 Fx: 916.361.0540

National Analytical Laboratories, Inc.

**Job Site/Job #:**

Client#-Lot#

4734 / 24

Upper Creek Bridge - 425 First Street:

Date 9/5/2017

Crawford & Associates

39.164376, -122.909049

Sampling Date: 9/11/2017

Phone Number

Upper Creek, CA

Sampling Time 2:10:00 PM

FAX Number

Type Of Work: PLM-BI

Contact

No. of Samples 3

E-Mail Address

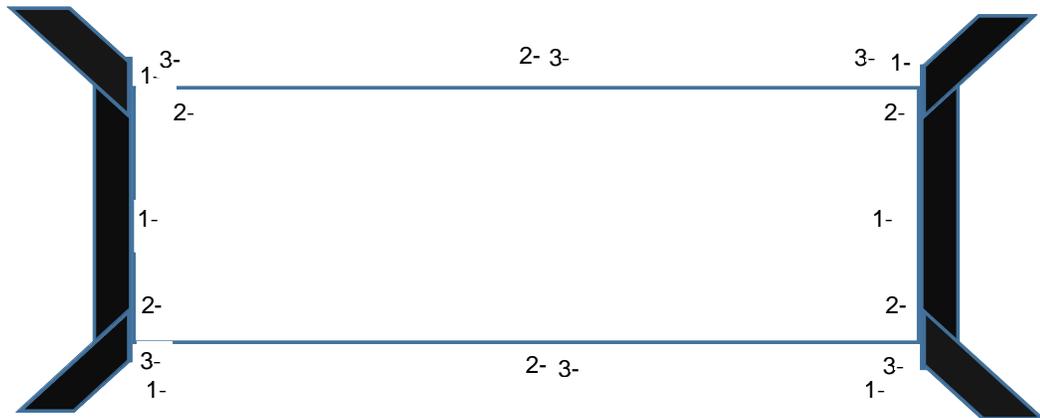
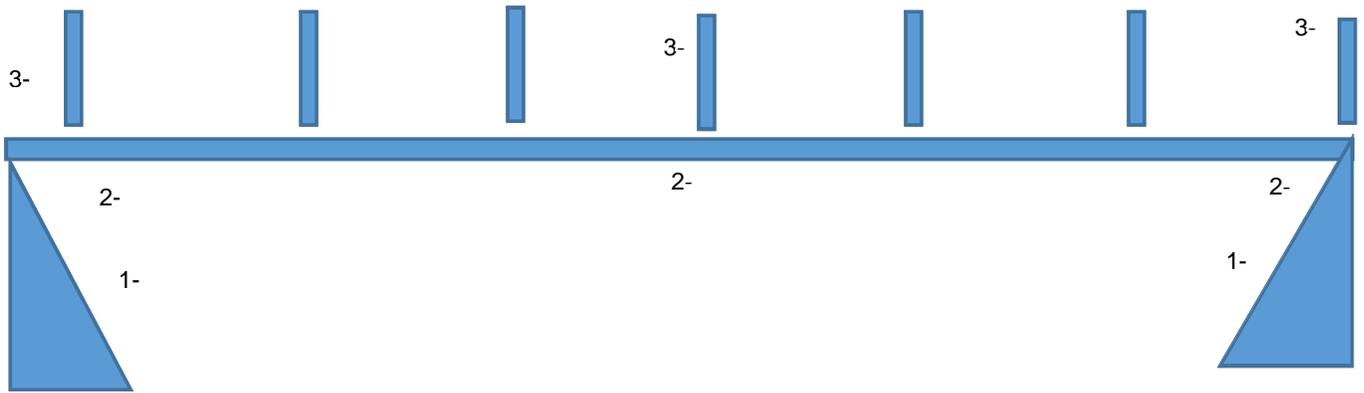
Turnaround: 6 hours

104267/  
68  
69

Num.	Sample ID#	Location/Description
1	425-1	Abutment System, Various Areas, 6 Hit Composite / Abutment Concrete
2	425-2	Deck System, Various Areas, 6 Hit Composite / Deck Concrete
3	425-3	Rail System, Various Areas, 6 Hit Composite / Rail Concrete

### Chain of Custody Information

Released By Signature	Date/Time	Received By Signature	Date/Time	Due:
Michael Lee	9/12/17	Fariba Karbassi	09.12.2017 10:40AM	
Released By Signature	Date/Time	Received By Signature	Date/Time	At:



<b>ASBESTOS SAMPLE LOCATION MAP</b> Survey Date: <b>09/11/17</b> Area:	Site Name: <b>Upper Lake Bridge</b>	Project #: 	
	Site Address: <b>39.164376, -122.909049</b>	Scale: Not to scale Layout and sample locations are approximated. Legend: - Non-ACCM Samples + ACCM Samples	

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**APPENDIX II**

Asbestos Demolition/Renovation Notification Form



**LAKE COUNTY AIR QUALITY  
MANAGEMENT DISTRICT**

2617 South Main Street Phone: (707) 263-7000  
Lakeport, CA 95453 Fax: (707) 263-0421

**Asbestos Demolition/Renovation  
NOTIFICATION FORM**

Section 467

LCAQMD # \_\_\_\_\_

**SITE INFORMATION**

Site Address \_\_\_\_\_

City, State \_\_\_\_\_ Zip \_\_\_\_\_

Owner Name \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_

Specific Location of Project \_\_\_\_\_

Single Family Dwelling  Commercial  Apartment Building  Govt Building  School

Renovation  Demolition - Fire Training Yes  No

Weekend Work  Night Work (After 5 PM)

Cumulative Renovations (each less than 100 square or linear feet)

Start Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_

Material Description: \_\_\_\_\_ Will All Asbestos be removed? Yes  No

Method(s) of Removal: \_\_\_\_\_

Total removal amounts of **friable** asbestos material only: \* \_\_\_\_\_ lin ft/ \_\_\_\_\_ sq ft/ \_\_\_\_\_ cu ft

Total removal amounts of non-friable asbestos material: \_\_\_\_\_ lin ft/ \_\_\_\_\_ sq ft/ \_\_\_\_\_ cu ft

\* Indicate how much of this involves bead-blast, or shot-blast removal: \_\_\_\_\_

**CONTRACTOR INFORMATION**

Name \_\_\_\_\_ Contact \_\_\_\_\_

Mailing Address \_\_\_\_\_ Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_

City, State \_\_\_\_\_ Zip \_\_\_\_\_ Contractor Job No. \_\_\_\_\_

**DISPOSAL SITE INFORMATION**

Landfill Name \_\_\_\_\_ Address \_\_\_\_\_

City, State \_\_\_\_\_ Zip \_\_\_\_\_

**FORM PREPARATION INFORMATION**

This form prepared by \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_ Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Phone \_\_\_\_\_

**WASTE TRANSPORTER INFORMATION**

Name \_\_\_\_\_ EPA I.D. # \_\_\_\_\_  
Address \_\_\_\_\_ City, State \_\_\_\_\_  
Zip \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_ Contact \_\_\_\_\_

**BUILDING ASBESTOS SURVEY INFORMATION**

Name of person who completed the survey \_\_\_\_\_ Company Name \_\_\_\_\_  
Address \_\_\_\_\_ City, State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_ Inspector Certification: AHERA  EPA  OSHA   
Analytical method used to identify the presence of RACM: PLM  TEM  Other  \_\_\_\_\_  
Inspected Components: Roofing  Walls  Mechanical  Structural  Piping  Flooring  HVAC   
Other  Specify: \_\_\_\_\_  
\_\_\_\_\_  
Is asbestos present? Yes  No  \*\*\* ATTACH COPIES OF ALL INSPECTION/LAB REPORTS \*\*\*

**GOVERNMENT ORDERED DEMOLITION**

Name \_\_\_\_\_ Title \_\_\_\_\_  
Agency \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_  
Date of Order Authorizing Ordered Demolition \_\_\_\_\_ \*\*\* Attach copy of Demolition Order \*\*\*

**EMERGENCY RENOVATION**

Date and Hour of Emergency \_\_\_\_\_  
Description of event and an explanation of how the event has caused unsafe conditions or would cause equipment damage. \_\_\_\_\_  
\_\_\_\_\_

I certify that an individual trained in the provisions of this regulation (40 CFR Part 61, Subpart M) will be on site during the demolition or renovation and evidence that the required training has been accomplished by this person and will be available for inspection during normal business hours.

\_\_\_\_\_  
Signature of Owner/Contractor

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Signature of Owner/Contractor

\_\_\_\_\_  
Date

## LAKE COUNTY AIR QUALITY MANAGEMENT DISTRICT

2617 South Main Street, Lakeport, CA 95453

Phone (707) 263-7000, Fax (707) 263-0421

### ASBESTOS NOTIFICATION - INSTRUCTIONS AND INFORMATION

- Notifications must be complete to be considered in compliance with LCAQMD Regulations Section 467. Notifications lacking information are considered incomplete and will be returned. The 14-day notification period will not start until a complete notification is submitted.
- The notification form may be used to notify the LCAQMD of demolition or asbestos removal (renovation) operations. Each of these operations requires separate notification. You are not required to notify for non-commercial residential structures consisting of 4 or fewer units.
- Revisions to the information stated in the notification form can be made by phone, but must be followed up in writing or by fax.
- If the job is postponed or canceled, you must notify the District prior to the notified completion date or the action will constitute a failure to notify. If a job starts prior to the reported starting date or continues past the scheduled completion date as shown in the notification, this shall constitute a failure to notify.
- Notification is required for each renovation operation where the amount of Regulated Asbestos Containing Material (RACM) is greater than or equal to 260 linear feet, 160 ft<sup>2</sup>, or 35 ft<sup>3</sup>.
- Notification is required for every demolition, even where no RACM is present.
- LCAQMD Section 467 requires that notifications shall be provided to the APCO at least 14 days prior to commencement of demolition/renovation, or as early as possible prior to commencement of emergency demolition/renovation.
- LCAQMD Table 6 - "Schedule of Fees for Permits" authorizes fees for demolition/renovation operations. The contractor listed on the notification form is responsible for the payment of these fees at the time of notification submittal. The 14-day notification period will not start until fees are submitted.

### INSTRUCTIONS

**SPECIFIC LOCATION OF THE PROJECT:** Indicate where the Demolition/Renovation is taking place within the Site Address.

- Examples:
- Building 100A, 3rd floor
  - Basement boiler room
  - Medical building, Wing 2A

**START DATE:** Indicate a correct and accurate Start Date, not a prospective date. The Start Date is the date on which Regulated Asbestos Containing Material (RACM) removal commences or which demolition of the structure commences. Any change of start date must be notified prior to the date originally notified for the job. Under no circumstances may the revised Start Date be earlier than the 14th day following the postmark of the original notification, unless an emergency notification has been made (see below).

**MATERIAL DESCRIPTION:** Indicate the type of friable asbestos material being removed.

- Examples:
- Pipe lagging and acoustical ceiling
  - Thermal system insulation
  - Asbestos insulated heating ducts

If the notification is for demolition activity, indicate the type of structure:

- Examples:
- Wood
  - Brick

**DEMOLITION - FIRE TRAINING:** Notification is required and all asbestos must be removed if a structure is to be burned for fire training purposes. The 14-day notification requirement must be met before commencement of fire training.

**METHODS OF REMOVAL:** Indicate the methods and procedures you will employ to comply with the District's Regulation Section 467.

If notification is for demolition activity, indicate method of demolition.

- Examples:
- Backhoe
  - Wrecking ball
  - Demolition by hand

**REMOVAL AMOUNT:** Indicate the amount of Regulated Asbestos Containing Material (RACM) to be removed. If the job involves bead or shot blasting, indicate the amount. Note: Non-friable asbestos material is exempt from notification unless it is made friable during demolition, renovation or removal (see Section 467).

RACM must be removed prior to demolition operations. The amount of asbestos for demolition notification is zero (0) amount - ALL demolitions must be notified.

**EMERGENCY NOTIFICATION:** Under certain conditions, the 14-day notification period may be waived. However, you must submit the completed notification form and reference and document the emergency. Note: All notices submitted under the Emergency Notification Procedure are subject to verification and approval by the District's inspection staff.

**CONTRACTOR:** Indicate the name of the contractor who is performing the demolition/renovation.

**CONTRACTOR JOB NO.:** Indicate your reference number, if any.

**DISPOSAL SITE INFORMATION:** INDICATE the name of the disposal site where the Regulated Asbestos Containing Material (RACM) will be deposited. All RACM must be removed prior to commencement of demolition operations.

**WASTE TRANSPORTER INFORMATION:** Indicate the name of the transporter of the Regulated Asbestos Containing Material (RACM). The state of California considers RACM a hazardous waste. Therefore, a contractor is required to obtain an EPA number to qualify as a hauler of RACM waste.

**SURVEY INFORMATION:** Prior to commencement of any demolition or renovation, a survey shall be performed for the presence of Regulated Asbestos Containing Material (RACM). This section is not applicable if the material to be renovated is declared as RACM and will be handled in accordance with the provisions of Section 467.

**GOVERNMENT ORDERED DEMOLITION AND EMERGENCY RENOVATION:** Reference the Emergency Notification procedure indicated above.

**FAX:** Notifications may be faxed to the LCAQMD @ (707) 263-0421

**FEES:** Contact the LCAQMD @ (707) 263-7000 for the current fee schedule. Make check payable to the Lake County AQMD, and submit along with the notification.

**DANGER  
ASBESTOS DUST  
HAZARD**

**CANCER AND  
LUNG DISEASE HAZARD**

**AUTHORIZED  
PERSONNEL  
ONLY**

**Contact Name:** \_\_\_\_\_

**Phone #:** \_\_\_\_\_

**Minimum Sign Size 12" x 18"**