LAKE COUNTY AIR QUALITY MANAGEMENT DISTRICT
2617 South Main Street
Lakeport, CA 95453
Phone: (707) 263-7000 / Fax: (707) 263-0421

Douglas G. Gearhart
Air Pollution Control Officer

SERPENTINE DUST CONTROL PLAN

Submitted By:_____ Date:_____

Address: _____ City/State: _____/_____

Phone #:_____ Fax #:_____ Pager/Cell #:_____

Property Owner: _____

Owner Address: _____ City/State:_____

Owner Phone: _____

Job Location: _____

Contractor Name: _____

Mail Address: _____ City/State: _____/_____

Phone #: _____ Fax #: _____ Pager/Cell #: _____

Project Description: _____

_____

_____

_____

_____

_____

_____

_____

(Attach map and grading plan)

Amount of off site disposal: _____yd^3

Disposal Location: _____

Name of property owner at location: _____

Mailing address of property owner: _____

City/State: _____/_____

Phone #: _____ Fax #:_____

Serpentine Material Supply Notice Required? Yes ☐ No ☐ (Attach Copy)

Serpentine Dust Control Plan

All work performed in serpentine containing greater than 1% asbestos shall utilize adequate control measures to prevent visible dust at all times.

The following items will be implemented to control dust during work in regulated serpentine. Check all boxes that are planned to be implemented. Items marked with (*) are mandatory minimum requirements.

☐ 1. Pre-wet work area and immediately follow with fine spray application preferably on the immediate area being worked to eliminate visible dust to the extent possible.

☐ 2.* Perform work during wet season, when possible, during light rainfall

☐ 3.* Limit vehicle access to exposed serpentine surfaces with effective barrier(s). Describe type of barrier: _____

☐ 4.* Asbestos Hazard Notice Posting. Conspicuously post and maintain notice at entry to regulated area. Size not less than 12" x 18". Danger - Asbestos Dust Hazard, Cancer and Lung Disease Hazard, Authorized Personnel Only.

☐ 5.* Vehicle speed limit on exposed serpentine to reduce fiber releases.
Posted Speed Limit: ☐ 5 mph ☐ 10 mph ☐ Other:_____

☐ 6.* Cover serpentine surfaces exposed to vehicle travel with non-asbestos cover material. Describe cover material and depth of coverage: _____
_____
_____

☐ 7. Exposed Surface Stabilization: Maintain a high moisture condition of the disturbed surface or apply a "binder" material to seal loose fibers together and to the parent rock particle. Dust palliatives such as lignin sulfonate, magnesium chloride, pitch, rosin and polymer emulsions can be effectively utilized in a variety of applications. Describe Stabilization Method(s): _____
_____
_____
_____

☐ 8.* Material transfers or stockpiles of loose material should be kept adequately wet, sealed by a palliative or covered where conditions warrant.

☐ 9.* Material transfer requirements: Material must be wet. Transfers more than 1 mile must be tarpped.

☐ 10.* Provide employee notification of potential health risk of airborne asbestos and the requirements of the asbestos dust mitigation plan. A copy of the notification, signed by the on site workers is to be provided to the District upon request.

☐ 11. Worker safety precautions and exposure monitoring should be considered but is not specifically required by District regulation. Other agency regulations (OSHA) are applicable. Results of worker monitoring tests are to be provided the District upon request.

☐ 12.* Site Access: Establish and maintain a minimum of 75 feet of track-out prevention surfacing at the entrance to the location. Materials tracked onto the public road shall be removed, as necessary, to prevent visible emissions.

☐ 13.* Avoid working when sustained wind speeds are greater than 10 mph unless adequate dust control can be maintained.

Fee: 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.

I hereby acknowledge that I understand the requirements of the Lake County Air Quality Management District Serpentine Dust Control Regulation and will comply with the rule by implementing this control plan.

_____ Date:_____
Responsible Individual Name

==========

District Use Only
Plan submittal fee: Received: _____ Date: _____

By: _____ Receipt No. _____

Review By: _____ Review Date: _____

Approved By: _____ Approval Date: _____
Approved With Revisions: yes / no (Attach Revised Approval Letter)

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707-263-7000 / fax 263-0421

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Air Pollution Control Officer
dougg@lcaqmd.net

Agent Authorization Form

Authorized Agent: (Complete this section if appropriate)

I hereby designate _____
(agent's name - print)

of _____
(agent's business name, mailing address, & phone number - print)

to serve as the Authorized Agent for my company / facility:

_____
(applicant company's name - print)

at _____

in dealing with the Lake County Air Quality Management District in matters regarding (check as appropriate):

- ☐ Engine Permit Application
- ☐ Air Toxics (AB2588)
- ☐ Inspections and Compliance
- ☐ Billing
- ☐ Source Testing
- ☐ All of the Above
- ☐ Other (state purpose): _____

This designation includes written correspondence, telephone discussions, and meetings and shall remain in effect until it is suspended in writing by my company or the following date: _____ whichever is earlier.

Agent Signature: _____

As the Legal Owner, I hereby authorize the above mentioned agent to represent my company in the matters identified above:

Name (print):	
Title:	
Phone:	
Address:	
City, State, ZIP	
Owner Signature:	

EK 3/2025

DANGER
ASBESTOS DUST HAZARD

CANCER AND LUNG DISEASE HAZARD

AUTHORIZED PERSONNEL ONLY

Contact Name: _____
Phone #:_____

Minimum Sign Size 12” x 18”

Ek 3/2015

Worker / Visitor - Asbestos Hazard Notification

This project is located on or near serpentine rock or soils. Regulated amounts of Asbestos are common in the serpentine areas of Lake County. This project is being constructed in compliance with the attached Serpentine Dust Control Plan. Dust control for this project is regulated by the Lake County Air Quality Management District. All workers will read and follow the requirements of the attached plan and certify their receipt of asbestos hazard training and understanding of the dust control measures to be utilized by signature.

The material on this site is known or presumed to contain asbestos in a concentration of greater than 1%. The release and breathing of asbestos fibers can be a health hazard to both the site workers and neighboring residents. It is important that asbestos fibers not be released to the air or carried off-site on clothing or vehicles and cause off site exposures.

The Primary Asbestos Diseases

Asbestosis - This disease occurs when asbestos fibers irritate and scare the air sacs in the lungs. This restricts the ability to transfer oxygen to the blood and results in breathing and heart problems. There is no treatment for asbestosis.

Mesothelioma - This disease is a cancer of the lining of the chest (pleural cavity) or abdominal cavity and is always fatal. Asbestos exposure is the only known cause of mesothelioma.

Cancers of the lung, stomach or colon - Those types of cancers may result from asbestos exposure. They have varying prognoses.
Most asbestos related disease have long latency periods. Symptoms may not appear for five to forty years.

Asbestos exposure and smoking are particularly dangerous. The risk of developing lung cancer is more than ninety times as great for people that smoke and are exposed to asbestos.

I have read and understand the asbestos hazard notice and the requirements of the serpentine dust control plan.

Name_____ Signature_____ Date_____

Safety Tips:

1) Asbestos causes problems primarily through the breathing of small fibers in the dust.
2) Asbestos fibers can be released by disturbing serpentine surfaces during digging, grading and traffic use.
3) Adequate watering, dust control treatments or the covering exposed serpentine surfaces can limit the release of asbestos fibers to the air.

Maintaining a clean work-site and following the serpentine dust control plan should minimize your exposure to asbestos fibers. **Report any observed problems to you supervisor immediately.** We can't change the fact that asbestos is present at this location, but we can effectively manage the hazards**. If you are not sure what to do, ASK!**

Receipt Notice of Serpentine Material Supply

District Permit #_____

Any person who sells, supplies, or offers for sale serpentine material within the District, shall obtain a valid District Permit.

Name of Person Supplying Serpentine: _____

Mail Address of Supplier: _____

Notice/Supply Date: _____ / _____

Location Address of Serpentine Origin: _____

_____

Amount of Serpentine Supplied: _____ (cubic yards or weight)

Serpentine Material Use: **( ) Non-Surfacing** **( ) Surfacing**

If used for surfacing, the supplier certifies that the material has been tested in accordance with Section 93106 California Code of Regulations and has been found to contain less than 0.25% asbestos.

Notice/Supplier: Name/Signature_____/_____

WARNING

Serpentine material may contain Asbestos. Asbestos is known to cause cancer. Extreme care should be taken when handling this material to minimize the generation of dust.

It is unlawful to use serpentine material for surfacing or any application in which it would remain exposed and subject to possible disturbance unless the material has been tested and found to contain less than or equal to one quarter percent (0.25%) asbestos. All test for asbestos content must use California Air Resources Board Test Method 435, and a written record documenting the test result(s) must be retained for at least seven years if the material is used for surfacing.

I acknowledge receipt of this notice for the amount and use of the serpentine material shown above. I certify that I have a LCAQMD Approved Serpentine Dust Mitigation Plan on file with the District and will comply with local and state requirements.

Name: _____ Date: _____

Recipient Phone # _____

Recipient Mail Address _____

Location/Address of Serpentine Use:_____

*Received By: _____

Each person receiving the serpentine material must acknowledge that they have received the above statement.

Ek 3/2015

Asbestos Inspectors, Consultants, and Laboratories

This listing of persons, firms or service providers should not be considered an endorsement of acknowledgement of the acceptability of the work or services provided. The above list is information only and the user is cautioned to examine the credentials of any contractor, person, firm or service provided prior to entering into a contractural agreement.
** Geologists/Consultants ** CARB Method 435 bulk soils asbestos analysis*

Adam Jahnsen
Adam Labortories, Inc.
3807 Pasadena Ave. Suite 190
Sacramento, CA 95821
916-692-8355

Burt Olhiser, Principal *
Vantage Point Consulting

Folsom, CA
925-383-1699

CI Environmental Consultants
502 E. Cotati Ave., #7137
Cotati, CA 94931
707-792-2873

Donald Horan
ESS Environmental Inc.
5716 Folsom Blvd., PMB #146
Sacramento, CA 95819
916-383-6642

Earl "Duke" Wildhaber
Wildhaber Consulting
P.O. box 1413
Carmichael, CA 95609
916-715-3807

HB&T Environmental, Inc.
1828 Tribute Road, Suite M
Sacramento, CA 95815
916-646-6076

Jayne Chavoor
GHD
2235 Mercury Way, Suite 150
Santa Rosa, CA
523-1010

Jeff Noel
Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
559-348-2200

Keith Westlake, Owner
Westlake Environmental Contractors
2655 Park Drive
Lakeport, CA 95453
707-291-9115

Mark Bailey
Asbestos TEM Laboratories, Inc.
6o0 Bancroft Way, Suite A
Berkeley, CA 94710
510-704-8930

Mike Maladzhikyan
Western Analytical Laboratory, Inc.
12734 Branford St., Unit #19
Arleta, CA 91331
818-899-0949

Norcal Environmental Mangement, Inc.
P.O. Box 1261
Elk Grove, CA 95759
916-525-1006

Paola Ducoing
AmeriSci Los Angeles
24416 South Main St., Suite 308
Carson, CA 90745
310-834-4868

Ralph Curran
Curran Environmental Services, Inc.
2137 Stonefield Ln.
Santa Rosa, CA 95403
707-525-0337

Regas Group
Environmental Consultants
705 E. Bidwell, Ste. 2-244
Folsom, CA 95630
916-235-3110

Sean Flinn, Lab Manger
RGH Geotechnical & Environmental Consultants
1305 . Dutton Avnue
Santa Rosa, CA 95404

Steve Takahashi **
SGS Forensic Labs
3777 Depot Road, Suite 409
Hayward, CA 94545-2761
510-887-8828

Tad Looney
LA Testing
520 Mission Street
S. Pasadena, CA 91030

323-606-8419

Terracon
Norcal Geophysical Consultants
321A Blodgett St.
Cotati, CA 94931
707-796-7170

Thomas Martin
Los Angeles Unified School Dist.
BSC Annex
1449 So. San Pedro Street
Los Angeles, CA 90015
213-241-4849

William Larkin
Ninyo & Moore
2020 Challenger Drive Ste 300
Alameda, CA 94501
510-343-3000