

**Fugitive Dust Prevention and Control and Asbestos Hazard Dust
Mitigation Plan
July 1, 2008**

CALAVERAS COUNTY

**AIR POLLUTION CONTROL DISTRICT (APCD)
FUGITIVE DUST PREVENTION AND CONTROL PLAN AND ASBESTOS HAZARD DUST MITIGATION
PLAN**

The following is the Prescriptive Standard ("Standard") for the Calaveras County Fugitive Dust Prevention and Control Plan, and Asbestos Hazard Dust Mitigation Plan, for Calaveras County. The Standard is authorized pursuant to APCD Rule 205, "Nuisance". The intent of the Standard is to insure adequate dust control and asbestos hazard mitigation measures are implemented during all phases of project construction and operation. This Standard applies to all project construction and operation sites and shall be also be a condition of approval for all applicants for a Calaveras County building or grading permit. Compliance with this Standard is required prior to groundbreaking. The applicant shall insure that a copy of this Standard is available at the project site. Additional requirements for fugitive dust and asbestos hazard dust control measures may be imposed by the APCD if deemed necessary to protect public health. This Standard does not apply to the use of agricultural equipment necessary for the growing or harvesting of crops, including timber, or raising fowl or animals. However, all grading activities must comply with Best Management Practices (BMP's). For additional information, please contact:

Calaveras County Air Pollution Control District

(209) 754-6588

The following mitigating measures shall be employed where applicable to prevent and control dust emissions:

SECTION 1: FUGITIVE DUST PREVENTION AND CONTROL

Land Clearing/Earth Moving:

Water shall be applied by means of truck(s), hoses and/or sprinklers prior to any land clearing or earth movement to minimize dust emissions.

Haul vehicles transporting soil into or out of the property shall be covered.

A water truck shall be on site at all times. Water shall be applied to disturbed areas as necessary to control dust, but no less than 4 times per day during construction.

Equipment speeds shall not exceed 15 mph on construction sites speed signs shall be posted at 1,000-foot intervals.

The disturbed area shall be sprayed down at the end of the work shift to form a thin crust. This application shall be in addition to the minimum rate of application (4 times per day.)

Security measures (gate) shall be placed at the project entrance to prevent the entry of unauthorized vehicles during non-working hours and weekends.

No spoil materials shall be transported off-site, except to approved sites.

Visibly Dry Disturbed Soil Surface Areas:

All visibly dry disturbed soil surface areas of operation shall be watered to minimize dust emissions.

A water truck shall be on site at all times. A minimum of 4 passes shall be made per day with the water truck or more as necessary. Water shall be the sole spray medium.

Paved Road Track-Out:

Existing roads and streets adjacent to the project will be washed down at least once per day unless conditions warrant a greater frequency. The Contractor shall consistently monitor the off-site road conditions for the formation of fugitive dust.

Visibly Dry Disturbed Unpaved Driveways:

All visibly dry disturbed unpaved driveway surface areas of operation shall be watered to minimize dust emissions.

Unpaved driveways may be graveled to reduce dust emissions.

A water truck shall be on site at all times. A minimum of 4 passes shall be made per day with the water truck or more as necessary. Water shall be the sole spray medium.

Haul road speed shall not exceed 15 mph. Speed limit signs shall be posted at 1,000-foot intervals.

Haul roads shall be sprayed down at the end of the work shift to form a thin crust. This application of water shall be in addition to the minimum rate of application (4 times per day).

The contractor shall keep a daily record of measures taken to control fugitive dust in accordance with this plan.

A copy of said report shall be submitted to APCD for inspection as requested by the district and a copy kept at the job site during construction.

Vehicles Entering/Exiting Construction Area:

Vehicles entering or exiting construction area shall travel at a speed, which minimizes dust emissions, not to exceed 15 MPH.

Employee Vehicles:

Construction workers shall park in designated parking area(s) to help reduce dust emissions.

Soil Piles:

Soil pile surfaces shall be moistened if dust is being emitted from the pile(s). Adequately secured tarps, plastic or other material may be required to further reduce dust emissions.

SECTION 2: ASBESTOS HAZARD DUST MITIGATION

Asbestiform Containing Soils:

In the event asbestiform containing soils are suspected or identified, the real property owner shall implement the following Asbestos Hazard Dust Mitigation measures immediately to minimize and control potential asbestos dust emissions which shall include, but not be limited to the following:

1. Cease construction activities in the discovery area. A California-registered geologist shall verify suspected material within two (2) working days. If geologist is unable to verify material as an asbestiform mineral, suspect material shall be analyzed using California Air Resources Board Test Method 435 or other approved test method to confirm the asbestos containing material. Analyses shall be completed within ten (10) working days from date asbestiform containing soil was suspected.
2. Pre-wet work area and follow with fine spray application on the immediate area being worked to eliminate visible dust to the greatest extent possible.
3. To the extent feasible, construction activity should avoid disturbance of asbestiform minerals and during periods of inactivity, cover any disturbed asbestos material area with non-asbestos cover material.
4. Limit vehicle access and speed on exposed serpentine and rock containing asbestos material areas.
5. Cover areas exposed to vehicle travel with non-asbestiform cover material.
6. Maintain a high moisture condition of the disturbed surface or treat the disturbed surface of the work area with an approved "palliative" material to seal loose fibers together to the parent rock particle.
7. Material transfers or stockpiles of loose material shall be kept adequately wet and sealed by an approved palliative or covered when conditions warrant.
8. Employee/worker notification, safety and monitoring shall be performed in accordance with applicable agency laws and requirements (e.g., California Code of Regulations (CCR), Title 8, section 1529 et al).
9. During disturbance activities, the Owner shall maintain onsite records of watering schedules, daily logs of dust mitigation and air monitoring activities (if required) by the APCD at the construction site. Upon request, all such records shall be made available to the Air Pollution Control Officer (APCO) and/or other applicable County staff/inspector(s) as designated by the APCO.
10. Copies of all test results, reports, and locations of asbestiform containing soils shall be submitted to the APCO upon completion of coverage; retained at the construction site and, upon request, be readily available to the APCO and/or other applicable County staff/inspector(s) as designated by the APCO.
11. The Owner shall maintain copies of all test results, daily logs, maps, consultant reports and location of asbestiform containing soils, as applicable, for real property disclosures.
12. Asbestiform containing soils removed by excavation shall be placed into fills to be constructed elsewhere on the project. The location(s) of such removals and the placement quantities and locations shall be documented in an asbestos management report which shall include a copy of the grading plan showing the locations of removal and placement locations.
13. Asbestiform containing soils placed within fills shall be covered by at least two feet of non-asbestiform cover soil material.
14. Asbestiform containing soils uncovered during the construction of utilities shall be appropriately covered such as by placement within deep fills. Utility trenches shall be backfilled with non-

asbestiform cover materials.

15. Asbestiform containing soils moved off-site shall be managed as a hazardous substance and in accordance with appropriate agency laws and requirements.
16. The Calaveras County Air Pollution Control Officer or his/her designee may require additional mitigation and/or air monitoring measures to be included in this Asbestos Hazard Dust Mitigation Plan whenever he/she finds that such measures are necessary to protect the public health and safety.

NOTICE: Criminal and/or civil penalties may be imposed on any person who violates any rule, regulation, permit or Order of the State Air Resources Board or of a district that is adopted to control and contain air emissions.