PLACER COUNTY AIR POLLUTION CONTROL DISTRICT

110 Maple Street, Auburn, CA 95603 ♦ (530) 745-2330 ♦ Fax: (530) 745-2373

FUGITIVE DUST CONTROL REQUIREMENTS FACT SHEET

Construction and Grading Dust Control Requirements

Rule 228, Fugitive Dust, is applicable to the entire County of Placer and addresses fugitive dust generated by construction and grading activities, and by other land use practices including recreational activities.

Fugitive dust is particulate matter discharged into the atmosphere due to a man-made activity or condition. Examples of dust sources that are subject to the rule are excavating and trenching, drilling, boring, earthmoving and grading operations, pavement or masonry cutting operations, brush clearing, travel on unpaved roads within construction sites, and wind-blown dust from uncovered graded areas and storage piles. Private recreational uses that could be considered dust sources include horse arenas and dirt motorcycle and ATV tracks. Commercial agricultural operations are exempt from this rule. Any dust problems created by commercial agricultural operations, as defined by Placer County ordinances, will be addressed in cooperation with the Placer County Agricultural Commissioner, and when necessary under State and District nuisance regulations.

For areas to be disturbed of any size, Rule 228, Fugitive Dust, Section 400 establishes standards to be met by activities generating fugitive dust. Minimum dust control requirements, summarized below, are to be initiated at the start and maintained throughout the duration of construction:

- 401.1 Unpaved areas subject to vehicle traffic must be stabilized by being kept wet, treated with a chemical dust suppressant, or covered. In geographic ultramafic rock units, or when naturally-occurring asbestos, ultramafic rock, or serpentine is to be disturbed, the cover material shall contain less than 0.25 percent asbestos as determined using the bulk sampling method for asbestos in Section 502.
- 401.2 The speed of any vehicles and equipment traveling across unpaved areas must be no more than 15 miles per hour unless the road surface and surrounding area is sufficiently stabilized to prevent vehicles and equipment traveling more than 15 miles per hour from emitting dust exceeding Ringelmann 2 or visible emissions from crossing the project boundary line.
- 401.3 Storage piles and disturbed areas not subject to vehicular traffic must be stabilized by being kept wet, treated with a chemical dust suppressant, or covered when material is not being added to or removed from the pile.
- 401.4 Prior to any ground disturbance, including grading, excavating, and land clearing, sufficient water must be applied to the area to be disturbed to prevent emitting dust exceeding Ringelmann 2 and to minimize visible emissions from crossing the boundary line.
- 401.5 Construction vehicles leaving the site must be cleaned to prevent dust, silt, mud, and dirt from being released or tracked off site.
- 401.6 When wind speeds are high enough to result in dust emissions crossing the boundary line, despite the application of dust mitigation measures, grading and earthmoving operations shall be suspended.
- 401.7 No trucks are allowed to transport excavated material off-site unless the trucks are maintained such that no spillage can occur from holes or other openings in cargo compartments, and loads are either;

- 401.7.2 Wetted and loaded such that the material does not touch the front, back, or sides of the cargo compartment at any point less than six inches from the top and that no point of the load extends above the top of the cargo compartment.
- 402 A person shall take actions such as surface stabilization, establishment of a vegetative cover, or paving, to minimize wind-driven dust from inactive disturbed surface areas.

In addition, Rule 228 requires that all projects must minimize and clean-up the track-out of bulk material or other debris onto public paved roadways. For one acre and less disturbed surface area in areas that are not "Most Likely" to contain naturally-occurring asbestos (NOA) according to the District's NOA Hazard maps, and where NOA has not been found, only these minimum dust measures must be met (i.e., no Dust Control Plan is required).

For projects where greater than one acre of the site's surface will be disturbed, a Dust Control Plan (DCP) must be submitted to the District for approval prior to the start of earth-disturbing activities if this requirement has been established as a Condition of Approval of a discretionary permit. Instructions for the DCP and application form are available at the District's web page, or by contacting the District as indicated below.

Regardless of size, areas identified by the California Department of Conservation, California Geological Survey (CGS) as having the highest likelihood for the presence of NOA require additional dust control measures when the earth is disturbed. *California Code of Regulations, Title 17, Section 93105, Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations* (ATCM), and District Rule 228, Fugitive Dust, establish the minimum standards that must be met for dust control. To determine if earth-disturbing activities are to occur in an area identified by CGS as an area "Most Likely" to contain NOA, the District's NOA Hazard maps should be consulted. When an area to be disturbed is greater than one acre and in a "Most Likely" to contain NOA area, an Asbestos Dust Control Mitigation Plan (ADMP) must be prepared, submitted to and approved by the District prior to the start of earth-disturbing activities. For more information regarding dust control requirements for projects occurring in an area "Most Likely" to contain NOA, please refer to the *Dust Control for Projects in Areas "Most Likely" to Contain Naturally-Occurring Asbestos (NOA) Fact Sheet.*

Copies of the Final Regulation Order, *Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations*, are available from the District, (530) 745-2330, or can be downloaded by accessing the California Air Resources Board's Internet web page referenced below.

Additional Information Resources:

- Placer County Air Pollution Control District www.placer.ca.gov/apcd
- Construction and Grading Dust Control Requirements
- Dust Control Plan Information <u>Dust Control Plan Instructions and Application</u>
- Dust Control for Projects in Areas "Most Likely" to Contain Naturally-Occurring Asbestos (NOA) Fact Sheet
- Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations - www.arb.ca.gov/toxics/atcm/asb2atcm.htm
- Placer County Air Pollution Control District (District) Rule 228, Fugitive Dust www.placer.ca.gov/Departments/Air/Rules.aspx
- District NOA Hazard Maps www.placer.ca.gov/Departments/Air/NOA/NOAMapsAnd%20Resources.aspx
- Asbestos Dust Mitigation Plan Guidance and Related Forms www.placer.ca.gov/Departments/Air/NOA/NOAConstructionAndGrading.aspx