

DUST CONTROL REQUIREMENTS FOR HIGH NOA AREA PROJECTS WITH ONE ACRE AND LESS DISTURBED AREA

Areas mapped and indicated by the California Department of Conservation, California Geological Survey (CGS) as having a greater likelihood for the presence of Naturally Occurring Asbestos require special dust control when the earth is disturbed. For disturbed surface areas of one acre or less, *California Code of Regulations, Title 17, Section 93105, Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations* (ATCM), and Placer County Air Pollution Control District (District) Rule 228, Fugitive Dust, establish the minimum standards that must be met for dust control.

Naturally Occurring Asbestos (NOA) is considered hazardous and is commonly found in ultramafic or serpentine rock that is prevalent in the Sierra foothills. Activity in areas with asbestos containing rock or soil may create dust emissions containing asbestos fibers that can penetrate body tissues and remain in lung or abdominal cavity tissue for a long time. Such fibers are believed to be the cause of asbestos-related diseases. The most common of these are Asbestosis -- causing scarring of the lungs and breathing difficulties, Lung Cancer, and, Mesothelioma -- a cancer of the membranes lining the lungs, chest, and abdominal cavity. Accordingly, the disturbance of soils and rock that may contain asbestos should be avoided whenever possible, and the good dust control practices are not only required by regulations but are obvious precautions that will minimize potential health impacts.

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. The maps divide the Placer County into different areas based on the relative likelihood of encountering NOA in some geologic units. These areas are defined as: "Least Likely", "Moderately Likely", and "Most Likely" to contain NOA. Minimum standards for dust control must be implemented for disturbed areas under 1-acre in "Most Likely" to contain NOA areas, as well as being implemented within 24-hours of the discovery of NOA, ultramafic rock, or serpentine rock in the area to be disturbed after earth disturbance activities have been initiated. District maps can be accessed on the website www.placer.ca.gov/apcd.

Parcels mapped as being in **Areas "Most Likely" to Contain NOA** are also geo-coded in the Placer Land Use System (PLUS) as **"High NOA" Zones**.

For disturbed surface areas less than or equal to one acre and residing in an Area Most Likely to Contain NOA as identified using District NOA Hazard map or by designated as a High NOA zone in PLUS, the actions that must be taken -initiated at the start and maintained throughout the duration of the covered activity - appear in District Rule 228 and the State ATCM. District Rule 228 may be accessed at the District website www.placer.ca.gov/apcd, and the State ATCM at <http://www.arb.ca.gov/toxics/atcm/asb2atcm.htm>. Please contact the District at (530) 745-2330 with questions, or to request printed copies of Rule 228 or the State ATCM.

An **Asbestos Dust Mitigation Plan Guidance** has been prepared to assist persons disturbing greater than one acre in an Area Most Likely to Contain NOA as identified on District NOA Hazard Maps or in an area geo-coded as being in High NOA Zone. Further information regarding greater than one acre disturbed areas appears on the back of this handout.

DUST CONTROL REQUIREMENTS FOR HIGH NOA AREA PROJECTS WITH GREATER THAN ONE ACRE DISTURBED AREA

Areas mapped and indicated by the California Department of Conservation, California Geological Survey (CGS) as having a greater likelihood for the presence of Naturally Occurring Asbestos have special requirements when the earth is disturbed. For disturbed surface areas of greater than one acre, *California Code of Regulations, Title 17, Section 93105, Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations* (ATCM), and Placer County Air Pollution Control District (District) Rule 228 Fugitive Dust, and Asbestos Dust Mitigation Plan Guidance establish many requirements in addition to the standard dust control measures. Additionally, an Asbestos Dust Mitigation Plan Application (ADMP) must be submitted to and approved by the District prior to issuance of a Grading Permit.

Naturally Occurring Asbestos (NOA) is considered hazardous and is commonly found in ultramafic or serpentine rock that is prevalent in the Sierra foothills. Activity in areas with asbestos containing rock or soil may create dust emissions containing asbestos fibers that can penetrate body tissues and remain in lung or abdominal cavity tissue for a long time. Such fibers are believed to be the cause of asbestos-related diseases. The most common of these are Asbestosis -- causing scarring of the lungs and breathing difficulties, Lung Cancer, and, Mesothelioma -- a cancer of the membranes lining the lungs, chest, and abdominal cavity. Accordingly, the disturbance of soils and rock that may contain asbestos should be avoided whenever possible, and the good dust control practices are not only required by regulations but are obvious precautions that will minimize potential health impacts.

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. The maps divide the Placer County into different areas based on the relative likelihood of encountering NOA in some geologic units. The maps designate areas are defined as: "Least Likely", "Moderately Likely", and "Most Likely" to contain NOA. District maps can be accessed on the website www.placer.ca.gov/apcd.

Parcels mapped as being in **Areas Most Likely to Contain NOA** are also geo-coded in the Placer Land Use System (PLUS) as "**High NOA**" Zones.

For disturbed surface areas greater than one acre and residing in an Area Most Likely to Contain NOA as identified using a District NOA Hazard map or by designation as a High NOA zone in PLUS, before a Grading Permit will be issued, as well as within 14 days of the discovery of NOA, ultramafic rock, or serpentine rock in the area to be disturbed after earth disturbance activities have been initiated, an ADMP must be submitted to the District for approval. Dust controls must be implemented at the initiation of earth-disturbance activities, or upon the discovery of NOA or ultramafic rock or serpentine rock, and maintained throughout the duration of construction and grading activities. The dust control and ADMP requirements appear in the District's Asbestos Dust Mitigation Plan (ADMP) Guidance, Rule 228, and in the State ATCM. The District's ADMP Guidance and related forms, and Rule 228 may be accessed at the District website www.placer.ca.gov/apcd. The State ATCM may be accessed at <http://www.arb.ca.gov/toxics/atcm/asb2atcm.htm>. Please contact the District at (530) 745-2330 with questions, or to request printed copies of the ADMP Guidance, Rule 228 or State ATCM.