

Article 7 Construction Sites in Nonattainment Areas—Fugitive Dust

4-7-230 Obligatory Work Practice Standards: Sites

A. Project Access Control.

Define, clearly mark, and enforce ingress and egress points for traffic into and out of the Site.

B. Dust Suppression for Inactive and Post-operation Areas and Roadways

For all inactive and post-operation-areas and -roadways within the Site:

1. Restrict access, and pave, apply gravel or apply a suitable dust suppressant other than water;
2. Apply water and prevent access by fences, ditches, vegetation, berms, or other suitable barrier or means sufficient to prevent trespass as approved by the Control Officer; or
3. Establish a vegetative cover in accord with §4-7-226.D.

C. Bulk Material Stacking and Stockpiling Operations

1. At least one of the following control measures shall be implemented during bulk material stacking, loading and unloading operations:

- a. Spray material with water, as necessary, prior to stacking, loading and unloading and/or while stacking, loading and unloading; or
- b. Spray material with a dust suppressant other than water, as necessary, prior to stacking, loading, and unloading and/or while stacking, loading and unloading.

2. When not conducting stacking, loading or unloading operations, implement at least one of the following control measures with respect to a stockpile:

- a. Cover all open storage piles with a tarp, plastic, or other material to prevent wind from removing the covering(s)/such that the covering(s) will not be dislodged by the wind; or
- b. Apply water to maintain a soil moisture content at a minimum of 12%, as determined by ASTM Method D2216-05 or other equivalent methods approved by the Control Officer and the Administrator. For areas that have an optimum moisture content of less than 12% as determined by ASTM Method D1557-02e1 or other equivalent methods approved by the Control Officer and the Administrator, maintain at least 70% of the optimum soil moisture content; or
- c. Maintain a soil crust; or
- d. Implement either of the control measures in preceding subsection .b or .c, and construct and maintain wind barriers, storage silos, or a three-sided enclosure with walls, whose length is no less than equal to the length of the pile, whose distance from the pile is not more than twice the height of the pile, whose height is equal to the pile height, and whose porosity is no more than 50%.

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D. Trackout; Monitoring and Cleanup.

1. Monitor trackout length at each egress point.
2. Immediately clean up any trackout that violates the length or pack-thickness limitations of §4-7-226.B.1.
3. Remove all visible trackout at the close of each workday and/or each work shift.

E. Signage

At any Site that is five acres or larger, erect a project information sign at the main entrance that is visible to the public or at each end of the road construction Site. The sign shall be a minimum of 24 inches tall by 30 inches wide, have a white background, and have the words "DUST CONTROL" shown in black block lettering which is at least four inches high, and shall contain the following information in legible fashion"

1. Project Name
2. Name and phone number of person(s) responsible for conducting project
3. Text stating: "Dust Complaints? Call Pinal County Air Quality Control District at (520) 866-6929."

F. Training

1. Dust Coordinator

On any Site, or any contiguous combination of Sites under common control, having five acres or more of disturbed surface area subject to a Site Permit requirement, assure that at all times during earthmoving activity operations related to the purposes for which an Site Permit is required, have on-site at least one individual qualified under a Control-Officer-approved Dust Control Coordinator training program.

2. Superintendent and Water Pull Drivers

Assure that the site superintendent or other designated on-site representative of the Site Permit holder, and any water truck or water pull driver maintaining surface stabilization shall have successfully completed a Control-Officer-approved Basic Dust Control Training Class.

G. Conformance with Project Access Control.

Drivers, contractors, subcontractors, and materialmen shall utilize only the ingress and egress defined by the Owner and/or Operator.

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H. Dust Suppression for Active Working Areas, Parking Areas and Roadways

To manage dust from working areas, including disturbed areas affected by on-site parking, vehicular traffic, equipment traffic, material transport, or equipment transport and roadways, at least one of the following measures shall be implemented:

1. Apply water so that the surface is visibly moist;
2. Apply and maintain a suitable dust suppressant other than water;
3. Limit speed to 15 mph and traffic to no more than 20 trips/day, provided reliance on this measure requires that the Dust Management Plan include a traffic management plan that details how speed and daily trips will be limited;
4. Apply gravel, recycled asphalt or other suitable material; or
5. Pave.

I. Dust Suppression During Bulk Excavation Operations

1. Pre-watering shall be applied before commencing earthmoving cut-operations; and
2. Water shall be applied during activity as required to limit particulate emissions to avoid opacity limit violations.

J. Project-internal Load Stabilization

Load stabilization shall be required during haulage of bulk excavated materials internally within a Site and not crossing a paved public road by implementing at least one of the following measures:

1. Limit speed to 15 miles per hour;
2. Stabilize loads with water or a dust suppressant; or
3. Cover the load with a tarp or other suitable dust and wind impermeable material.

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K. Roadway-Crossing Load-Stabilization

Load stabilization shall be required during haulage of bulk excavated materials across a paved public road, by implementing all of the following limitations:

1. Load all haul trucks such that the freeboard is not less than three inches;
2. Load all haul trucks such that at no time shall the highest point of the bulk material be higher than the sides, front, and back of a cargo container area;
3. Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s); and
4. When crossing and/or accessing a paved area accessible to the public, install, maintain, and use a suitable trackout control device that controls and prevents trackout and/or removes particulate matter from tires and the exterior surfaces of haul trucks and/or motor vehicles that traverse the Site.

L. Demolition; Emission Mitigation

To the extent Development Activity includes demolition activities, implement all of the following measures:

1. Apply water to demolition debris immediately following demolition activity; and
2. Apply water to all disturbed soil surfaces to establish a crust and to prevent wind erosion.

M. Weed Abatement; Emission Mitigation

To the extent Earthmoving for a particular project includes weed abatement activity, implement all of the following control measures:

1. Before weed abatement by discing or blading occurs, apply water;
2. While weed abatement by discing or blading is occurring, apply water; and
3. After weed abatement by discing or blading occurs, pave, apply gravel, apply water, apply a suitable dust suppressant other than water, or establish vegetative ground cover.

N. Blasting; Emission Mitigation

All of the following control measures shall be implemented for blasting operations at a Site:

1. In wind gusts above 25 miles per hour, discontinue/cease blasting; and
2. Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

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O. Subcontractor Registration Verification

Assure that any subcontractors engaged in earthmoving activity on the Site have registered with Pinal County Air Quality as a subcontractor.