

Paved Public Roads

Trackout standards (continued)

2. Don't cause another source of fugitive dust during removal of trackout.
3. If the Control Officer is notified and approves the following: The 24 hour timeframe for cleanup of trackout can be extended if unsafe travel would result from restricting traffic during cleanup and if cleanup isn't possible within 72 hours due to a weekend or holiday.

Unpaved shoulders standards

The owner and/or operator of a paved public road will take the following actions prior to, during and after work on unpaved road shoulders:

1. Apply a dust suppressant (s) to the total area of disturbance on the unpaved shoulder in sufficient quantity and frequency to maintain a stabilized surface.
2. Prevent trackout by using one of the following:
 - A) Manually sweeping and picking up; or
 - B) Operating a rotary brush or broom while sufficiently wetting the road in order to limit opacity to 20% or less; or
 - C) Operating a PM10 efficient street sweeper; or
 - D) Flushing with water, if curb and gutter aren't present and where use of the water won't result in adverse impacts on storm water drainage systems or violate any national pollutant discharge elimination system permit program.

Definitions

Fugitive Dust

The regulated particulate matter, which is not collected by a capture system, which is entrained in the ambient air, and which is caused from human and/or natural activities, such as but not limited to, movement of soils, vehicles, equipment, blasting, and wind.

Open Areas/Vacant Lots

1. Vacant portions of residential or commercial lots and contiguous parcels that are immediately adjacent to and owned and/or operated by the same individual or entity are considered one open area.
2. All land whether or not it is adjoining a developed or partially developed residential, industrial, institutional, governmental, or commercial area.
3. A subdivided residential, industrial, institutional, governmental or commercial lot that contains no approved or permitted buildings or structures of a temporary or permanent nature.
4. A partially developed residential, industrial, institutional, governmental, or commercial lot and contiguous lots under common ownership.

Unpaved Lots

Any area that isn't paved and that is used for parking, maneuvering (excluding military maneuvers on federal facilities), material handling, or storing motor vehicles and equipment. An unpaved lot includes, but is not limited to, automobile impound yards, wrecking yards, automobile dismantling yards, salvage yards, material handling yards, and storage yards.

Exemptions

- ◆ Vehicle test and development facilities
- ◆ Emergency response activities
- ◆ Normal farm cultural practices
- ◆ Construction activities (regulated by the W Pinal PM10 Non-attainment Area construction dust rules)
- ◆ Establishment of initial landscapes without use of mechanized equipment, landscape maintenance without mechanized equipment, playing on or maintaining a field used for non-motorized sports.

PINAL COUNTY AIR QUALITY CONTROL DISTRICT



WEST PINAL PM10 NONATTAINMENT AREA FUGITIVE DUST

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In 2012 EPA designated a large portion of Pinal County as moderate nonattainment for PM10 (West Pinal PM10 Nonattainment Area). The map for this area is located at www.pinalcountyz.gov/airquality.

Open Areas/Vacant Lots Standards

All open areas/vacant lots will comply with the following:

1. 20% opacity standard
2. For trespassing in open areas/vacant lots, an owner and/or operator will install one of the following:
 - A) No trespassing signs
 - B) Physical barriers (i.e. curbs, fences, gates, etc.)
3. Open areas/vacant lots 1 acre or larger that have at least 0.5 acres or more of disturbed surface area will implement at least one of the following control measures to stabilize disturbed surface area.
 - A) Apply and maintain water or dust suppressants; or
 - B) Establish vegetation; or
 - C) Install and maintain pavement; or
 - D) Apply and maintain gravel uniformly; or
 - E) Apply and maintain chemical/organic stabilizers/suppressants; or
 - F) An alternative control measure approved in writing by the Control Officer and EPA Administrator
4. Open areas/vacant lots 1 acre or larger that have 0.5 acres or more of disturbed surface area will within 30 days of initial discovery of disturbed surface area sign up to receive the Pinal County dust control forecast (<https://public.govdelivery.com/accounts/AZDEQ/subscriber/new>) and ensure their open areas/vacant lots are stabilized the day leading up to and the day that has a high risk forecast.

Open Areas/Vacant Lots

Removal of vegetation

1. When removing vegetation from any open area/vacant lot by blading, disking, plowing under or other means the owner and/or operator will implement all of the following control measures:

A. Apply a dust suppressant (s) to the total disturbed area immediately prior or during the weed removal

B. Prevent or eliminate trackout onto paved surfaces and access points adjoining paved surfaces with one of the following control measures:

- * Manually sweeping and picking up; or
- * Operating a rotary brush or broom accompanied or preceded by sufficient wetting to limit opacity to 20% or less; or
- * Operating a PM10 efficient street sweeper; or
- * Flushing with water, if curb and gutters are not present and where the use of water will not result as a source of trackout material or result in adverse impacts on storm water drainage systems or violate any National Pollutant Discharge Elimination System permit program.
- * Apply a dust suppressant (s), gravel, compaction or an alternative control measure immediately following weed abatement to the entire disturbed surface area such that the surface is stabilized.

Stabilization determined by one of the following:

1. Observation of visible crust, determined by the drop ball test.
2. Threshold Friction Velocity (TFV) 100 cm/second or higher
3. Flat vegetative cover equal to at least 50%
4. Standing vegetative cover equal to or greater than 30%
5. Standing vegetative cover equal to or greater than 10% where TFV is equal to or greater than 43 cm/second.

Unpaved Lots

Standards

Unpaved lots greater than 5,000 square feet will comply with the following:

1. 20% opacity standard
2. Silt loading less than 0.33 oz/ft², however if silt loading is equal or greater than 0.33 oz/ft², then silt content shall not exceed 8%.
3. Implement one of the following control measures:
 - A) Pave; or
 - B) Apply dust suppressant in sufficient quantity and frequency to maintain a stabilized surface; or
 - C) Apply and maintain surface gravel uniformly to maintain a stabilized surface; or
 - D) Apply and maintain an alternative control measure, approved in writing by the Control Officer and EPA Administrator
4. The control measure used will be considered effective when the unpaved lot doesn't exceed 20% opacity and meets the silt loading and/or silt content standards.

Paved Public Roads

Trackout standards

When trackout extends 50 feet or more from the nearest unpaved surface, the owner and/or operator from where the trackout came will:

1. Remove trackout within 24 hours of discovery with one of the following control measures (can restrict vehicles from traveling over trackout until it's removed) :
 - A) Manually sweeping and picking up; or
 - B) Operating a rotary brush or broom while sufficiently wetting the road in order to limit opacity to 20% or less; or
 - C) Operating a PM10 efficient street sweeper; or
 - D) Flushing with water, if curb and gutter aren't present and where use of the water won't result in adverse impacts on storm water drainage systems or violate any national pollutant discharge elimination system permit program.