

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

**RULE 8030 -- FUGITIVE DUST REQUIREMENTS FOR CONTROL OF FINE PARTICULATE MATTER (PM-10) FROM HANDLING AND STORAGE OF BULK MATERIALS**

*(Adopted October 21, 1993; Amended April 25, 1996; Amended November 15, 2001)*

1.0 Purpose

The purpose of this Rule is to limit emissions of fine particulate matter (PM-10) from the handling and storage of bulk materials through control of fugitive dust emissions.

2.0 Applicability

This Rule applies to the outdoor handling and storage of any bulk material which emits visible dust when stored or handled. This rule shall remain in effect until April 30, 2002 or until the effective date of Rule 8031 (Bulk Materials), whichever occurs later. This Rule applies to both new and existing operations and activities. If compliance with this Rule requires the installation or modification of equipment under existing District permit, the following compliance schedule is established for completing the retrofit:

2.1 The owner/operator of any proposed equipment or modification which is required to comply with this Rule shall comply with the following increments of progress:

2.1.1 By June 10, 1994, the owner/operator shall submit to the APCO a control plan which identifies all equipment subject to this Rule, identifies all steps to be taken to achieve compliance with this Rule and the construction schedule, and submit a complete application for Authority to Construct to the District.

2.1.2 Within twelve (12) months from the date of issuance of the Authority of Construct, the owner/operator shall complete the required installation or modification of equipment.

3.0 Definitions

3.1 Enclosed Structure: a building or structure enclosed with walls on all sides covered with a roof.

3.2 Visible Dust Emission (VDE): visible dust of such opacity as to obscure an observer's view to a degree equal to or greater than an opacity of 40%, for a period or periods aggregating more than three (3) minutes in any one (1) hour, except as set forth in Rule 8030 section 5.1.2.

3.3 Outdoor Handling and Storage: handling or storage of bulk materials outside of an enclosed structure.

## 4.0 Exemptions

In addition to the exemptions established in Rule 8010, the following exemptions are established for this Rule:

- 4.1 Handling and storage of materials where moisture content of the stored material is sufficient to limit Visible Dust Emissions, (VDE) as defined in section 3.2 of this Rule.
- 4.2 Field harvesting and open area drying of agricultural crop materials.
- 4.3 Handling and storage of agricultural crop materials which are baled, cubed, pelletized, long stemmed or pre-cleaned.
- 4.4 The temporary handling and storage of fertilizers and soil amendments, excluding fly ash, in the field in which they are to be applied.
- 4.5 Timber harvesting and storage of logs.
- 4.6 Handling and storage of solid materials not containing mud, dirt, or other dust producing matter.
- 4.7 Any outdoor storage or handling of materials which would be damaged by wetting. Examples of materials which would be damaged by wetting include grains, seed, and feed.
- 4.8 Outdoor storage and handling of any bulk material at a single site where the cumulative total material volume is less than 250 cubic yards.

## 5.0 Requirements

- 5.1 Transport of a bulk material in an outdoor area for a distance of twelve feet or greater with the use of a chute or conveyor device must comply with the following requirements. Provisions of this section are not applicable to conveyor or chute devices within enclosed buildings or structures.
  - 5.1.1 The chute or conveyer must be fully enclosed, or
  - 5.1.2 Spray equipment sufficiently wets materials to limit visible dust emissions as defined in the District's Visible Emission Rule 4101, or
  - 5.1.3 All materials conveyed have been washed, separated, or screened to remove materials having an aerodynamic diameter of 10 microns or less.
- 5.2 No person shall transport any non-exempt bulk materials in open vehicles, trailers, rail cars, or containers without utilizing appropriate control measures. This section

is not applicable to earth movers, skip loaders and similar equipment exclusively used to add or remove bulk material from storage piles while conducting operations on the site. Cleanup of accumulation mud or dirt deposited onto public adjacent paved roads is required at the end of the work day, or at a minimum of once every twenty-four hours when operations are occurring. These requirements shall not be construed to supersede any other federal, state, or local requirements relating to the transport of materials on public roads. Appropriate control measures shall be by means of the following:

- 5.2.1 Wetting of the material to a moisture content sufficient to limit VDE as defined in section 3.2 of this Rule, or
  - 5.2.2 Providing at least six (6) inches of freeboard space from the top of the transport container sides, or
  - 5.2.3 Covering the top of the open container, vehicle, or material transported.
- 5.3 No person shall store, or cause to be stored, any bulk materials outdoors without stabilizing or covering said bulk materials in accordance with the following provisions:
- 5.3.1 Within a period of time, not to exceed seven (7) calendar days following the addition of materials to or removal of materials from an outdoor bulk storage pile, the surface of said outdoor storage piles shall be either covered or stabilized as follows:
    - 5.3.1.1 Where water is used for stabilization, sufficient water shall be applied to limit VDE as defined in section 3.2 of this Rule.
    - 5.3.1.2 Where chemical stabilizers are used, the stabilizer shall be applied as required to limit VDE as defined in section 3.2 of this Rule.
    - 5.3.1.3 Where planting of trees and vegetative ground cover is utilized, vegetation shall be planted in sufficient density and watered with sufficient frequency to effectively stabilize the disturbed area and limit VDE as defined in section 3.2 of this Rule.

## 6.0 Alternative Compliance Plan

If special conditions exist which will unreasonably prevent compliance with the requirements in section 5.0 of this Rule, the owner/operator may submit and request approval of an Alternative Compliance Plan in accordance with section 6.0 of Rule 8010. The Alternative Compliance Plan must specify the special circumstances which unreasonably prevent compliance and provide an alternative program of control measures. Failure to implement control measures specified in an approved Alternative Compliance Plan constitutes a violation of this Rule.