

## SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

### **RULE 8081 -- AGRICULTURAL SOURCES**

*(Adopted November 15, 2001)*

#### 1.0 Purpose

The purpose of this rule is to limit fugitive dust emissions from agricultural sources.

#### 2.0 Applicability

This rule applies to off-field agricultural sources. This rule shall become effective on and after May 15, 2002.

#### 3.0 Definitions

The definitions of terms established in Rule 8011 (General Requirements) shall apply to this rule.

#### 4.0 Exemptions

In addition to the exemptions established in Rule 8011, the following exemptions are established for this rule:

4.1 On-field agricultural sources.

4.2 Off-field agricultural sources necessary to minimize or respond to adverse effects on agricultural crops caused during freezing temperatures as declared by the National Weather Service.

4.3 Any outdoor storage, handling, or transport of bulk materials which would be damaged by wetting with water or by the application of chemical/organic dust suppressants, provided owners/operators demonstrates to the satisfaction of the APCO and USEPA, that none of the control measures specified in Table 8081-1 of this rule can be implemented to limit visible dust emissions (VDE) to 20% opacity or provide a stabilized surface as defined in Rule 8011.

4.4 Any unpaved road segment with less than 75 vehicle trips for that day. If 75 vehicle trips for that day will be exceeded, an owner/operator shall comply with the requirements of this Rule.

4.5 The felling and removal of trees from forest stands. However, the rules of Regulation VIII will apply to other timber harvest activities such as site preparation of log storage and staging areas.

- 4.6 Outdoor storage or handling of any bulk material at a single site where the total material stored is less than 100 cubic yards.
- 4.7 Any unpaved vehicle and equipment parking and traffic area less than 1.0 acre or on any day on which less than 75 vehicle trips occur.
- 4.8 Transport of a bulk material in an outdoor area for a distance of twelve feet or less with the use of a chute or conveyor device.
- 4.9 Carryout and trackout from caused by an Agricultural Source.

5.0 Requirements

An owner/operator shall comply with Sections 5.1 through 5.3 and sufficiently implement at least one of the control measures indicated in each section of Table 8081-1 to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

5.1 Requirements for Bulk Materials

No person shall undertake any outdoor handling, storage, and transport of bulk materials unless the appropriate requirements in Table 8081-1 of this rule are sufficiently implemented to limit VDE to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011.

TABLE 8081-1 CONTROL MEASURES FOR BULK MATERIALS	
A.	<p><b>HANDLING/STORAGE OF BULK MATERIALS:</b></p> <p>A1 When handling bulk materials, apply water or suitable chemical/organic stabilizers/suppressants sufficient to limit VDE to 20% opacity.</p> <p>A2 When storing bulk materials, comply with the conditions for a stabilized surface as defined in Rule 8011; or</p> <p>A3 Cover bulk materials stored outdoors with tarps, plastic, or other suitable material and anchor in such a manner that prevents the cover from being removed by wind action; or</p> <p>A4 Construct and maintain wind barriers sufficient to limit VDE to 20% opacity. If utilizing fences or wind barriers, control measure A3 shall also be implemented.</p>
B.	<p><b>ON-SITE TRANSPORTING OF BULK MATERIALS:</b></p> <p>B1 Limit vehicular speed while traveling on the work site sufficient to limit VDE to 20% opacity; or</p> <p>B2 Load all haul trucks such that the freeboard is not less than six (6) inches when material is transported across any paved public access road, or</p> <p>B3 Apply water to the top of the load sufficient to limit VDE to 20% opacity, or cover haul trucks with a tarp or other suitable cover.</p>

TABLE 8081-1  
CONTROL MEASURES FOR BULK MATERIALS

C.	<p>OFF-SITE TRANSPORTING OF BULK MATERIALS:</p> <p>C1 Clean the interior of the cargo compartment or cover the cargo compartment before the empty truck leaves the site; and</p> <p>C2 Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate; and</p> <p>C3 Load all haul trucks such that the freeboard is not less than six (6) inches when material is transported on any paved public access road, and apply water to the top of the load sufficient to limit VDE to 20% opacity; or cover haul trucks with a tarp or other suitable closure..</p>
D.	<p>OUTDOOR TRANSPORT OF BULK MATERIALS WITH A CHUTE OR CONVEYOR:</p> <p>D1 Fully enclose the chute or conveyor; or</p> <p>D2 Operate water spray equipment that sufficiently wets materials to limit VDE to 20% opacity; or</p> <p>D3 Wash separated or screened materials to remove conveyed materials having an aerodynamic diameter of 10 microns or less sufficient to limit VDE to 20% opacity.</p>

## 5.2 Requirements for Paved Roads and Unpaved Road Segments

### 5.2.1 Paved Road Segment

An owner/operator shall comply with the requirements of Rule 8061 (Paved and Unpaved Roads) regarding the construction standards for shoulder width and medians when constructing new paved roads or modifying existing paved roads.

### 5.2.2 Unpaved Road Segment

5.2.2.1 On each day that 75 or more vehicle trips will occur on an unpaved road segment, the owner/operator shall limit VDE to 20% opacity from the unpaved road segment by application and/or maintenance of at least one of the following control measures, or shall implement an approved Fugitive PM10 Management Plan as specified in section 7.0.

- 5.2.2.1.1 Watering; or
- 5.2.2.1.2 Uniform layer of washed gravel; or
- 5.2.2.1.3 Chemical/organic dust suppressants; or
- 5.2.2.1.4 Vegetative materials; or
- 5.2.2.1.5 Paving; or
- 5.2.2.1.6 Any other method that effectively limits VDE to 20% opacity.

5.2.2.2 On each day that 100 or more vehicle trips will occur on an unpaved road, the owner/operator shall limit VDE to 20% opacity and comply with the requirements of a stabilized surface for an unpaved road by the application and/or maintenance of at least one of the following control measures, or shall implement an approved Fugitive PM10 Management Plan as specified in section 7.0:

- 5.2.2.2.1 Watering;
- 5.2.2.2.2 Chemical/organic stabilizers/suppressants in accordance with the manufacturer's specifications;
- 5.2.2.2.3 Roadmix;
- 5.2.2.2.4 Paving.
- 5.2.2.2.5 Any other method that results in a stabilized unpaved road surface.

### 5.3 Requirements for Unpaved Vehicle/Equipment Parking and Traffic Areas

The control measures specified in Sections 5.3.1 through 5.3.3 shall be implemented on the unpaved surface area dedicated to any vehicle and equipment parking and traffic activity in order to limit VDE to 20% opacity as specified in Rule 8011.

5.3.1 On each day that 75 or more vehicle trips will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall limit VDE to 20% opacity from the unpaved vehicle/equipment traffic area by application and/or maintenance of at least one of the following control measures, or shall implement an approved Fugitive PM10 Management Plan as specified in section 7.0.

- 5.3.1.1 Watering; or
- 5.3.1.2 Uniform layer of washed gravel; or
- 5.3.1.3 Chemical/organic dust suppressants; or
- 5.3.1.4 Vegetative materials; or
- 5.3.1.5 Paving; or
- 5.3.1.6 Any other method that effectively limits VDE to 20% opacity.

5.3.2 On each day that 100 or more vehicle trips will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall limit VDE to 20% opacity and comply with the requirements of a stabilized surface for an unpaved vehicle/equipment traffic area by the application and/or maintenance of at least one of the following control measures, or shall implement an approved Fugitive PM10 Management Plan as specified in section 7.0:

- 5.3.2.1 Watering;
- 5.3.2.2 Chemical/organic suppressants in accordance with the manufacturer's specifications;
- 5.3.2.3 Roadmix;
- 5.3.2.4 Paving;
- 5.3.2.5 Any other method that results in a stabilized unpaved surface area.

5.3.3 An owner/operator shall restrict access and periodically stabilize a disturbed surface area whenever a site remains inactive for seven consecutive calendar days to comply with the conditions for a stabilized surface area as defined in Rule 8011.

## 6.0 Administrative Requirements

### 6.1 Test Methods

The applicable test methods specified in Rule 8011 shall be used to determine compliance with this rule.

### 6.2 Recordkeeping

An owner/operator shall comply with the recordkeeping requirements specified in Rule 8011.

## 7.0 Fugitive PM10 Management Plan for Unpaved Roads and Unpaved Vehicle/Equipment Traffic Areas

As a compliance alternative for sections 5.2.2, 5.3.1, and 5.3.2 of this rule, an operator may implement a Fugitive PM10 Management Plan (FPMP) that is designed to achieve 50% control efficiency and has been verified by the Resource Conservation District (RCD) to meet the guidance and criteria established by the APCO. The FPMP shall be implemented on all days that traffic exceeds, or is expected to exceed, 75 vehicle trips per day. The owner/operator remains subject to all requirements of the applicable rules of Regulation VIII that are not addressed by the FPMP. It should be noted that the FPMP is not a compliance option for any requirement for a stabilized surface as defined in Rule 8011.

7.1 An owner/operator shall submit the proposed FPMP to the local Resource Conservation District (RCD) or the Fresno Area Office of the Natural Resource Conservation Service (NRCS) via fax, mail, or in person. If submitted to the RCD, the RCD shall then forward the proposed FPMP to the Fresno Area Office of the NRCS. The RCD and/or the NRCS shall evaluate and verify whether each proposed FPMP meets the guidance and criteria established by the APCO. An FPMP shall not be considered in effect until the owner/operator has received written verification from the RCD. The RCD shall make all verified FPMPs

available to the APCO, and the APCO shall make all FPMPs available to the public as provided in the California Public Records Act.

- 7.2 An owner/operator may submit one FPMP covering multiple unpaved roads and unpaved vehicle/equipment traffic areas.
- 7.3 An owner/operator shall retain a copy of an FPMP at the operator's place of business and make it available for inspection by the APCO or his designee during normal business hours. The FPMP shall remain valid until the APCO notifies the owner/operator or the RCD that it needs to be revised, or until the owner/operator notifies the RCD that the owner/operator has permanently discontinued implementing the FPMP. The RCD shall notify the APCO as soon as possible in the event an operator notifies the RCD the owner/operator has permanently discontinued implementing the FPMP.
- 7.4 Failure to comply with the provisions of an FPMP is deemed to be a violation of this rule.
- 7.5 A FPMP shall contain all of the following information:
  - 7.5.1 Name(s), address(es), and phone number(s) of person(s) responsible for the preparation, submittal, and implementation of the FPMP, and of person(s) responsible for the unpaved road or traffic area.
  - 7.5.2 A plot plan or map which shows the location of each unpaved road or traffic area to be covered by the FPMP, and the total length (miles) of unpaved roads, and the total area (acres) of the unpaved traffic areas.
  - 7.5.3 The months (and weeks, if known) of the year that vehicle traffic is expected to exceed 75 vehicle trips per day, and the types of vehicles (e.g., passenger vehicles, trucks, mobile equipment) expected on each road or traffic area. As stated above, the FPMP shall be implemented on all days that traffic exceeds, or is expected to exceed, 75 vehicle trips per day.
  - 7.5.4 Dust suppressants, gravel, and/or vegetative materials to be applied, including: product specifications; manufacturer's usage instructions (method, frequency, and intensity of application); type, number, and capacity of application equipment; and information on environmental impacts and approvals or certifications related to appropriate and safe use for ground application.
  - 7.5.5 A description of the condition of the treated surfaces to be achieved as a result of the use of the suppressant or other dust control material.

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