

373 – Dust Control on Unpaved Roads Implementation Requirements

Owner/Operator's Name _____

Practice Location/Address _____

County _____ Farm/Tract No. _____

Contract No. _____ CIN: _____ JAA: _____ Prepared by: _____ Date: _____

IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO OBTAIN ALL NECESSARY PERMITS AND/OR RIGHTS, AND TO COMPLY WITH ALL ORDINANCES AND LAWS PERTAINING TO THIS INSTALLATION.

Installation shall be in accordance with the attached drawings, manufactures application guidelines, specifications and special requirements. **NOTE: No changes shall be made without prior approval from the NRCS. Failure to acquire approval prior to installation may result in non-payment of the practice.**

1. Practice Application Drawings (Attached)
2. Dust Particulate Matter Management:

Unpaved Road Treatments (Check selected treatment):

- WATER
- WATER ABSORBING SUPPRESSANT (Hygroscopic)
- PETROLEUM EMULSION
- BITUMINOUS (Petroleum Based Road Oil)
- ADHESIVE (Non-Petroleum)
- POLYMER EMULSION
- CLAY ADDITIVE

3. Work shall be performed within the period (start and end dates): _____
4. Application Rate and Method: Follow manufacturer's recommendations for surface preparation, application method, rate and compaction for all commercial products.
5. General Dust Suppressant Application Guidance

Water Application

Regular, light watering is more effective than less frequent, heavy watering.

Hygroscopic (Chloride) Application

Light compaction is recommended after a chloride brine application.

Petroleum Based Application

Soil type and density greatly affect the rate and amount of penetration. In all instances, it is desirable to attain a 12 to 25 millimeter (1/2 to 1 inch) penetration. Most products (with the exception of SS- and CSS-1) will penetrate and coat most soils if they have been loosened by scarification. For surfaces which have not been scarified, only those products with low viscosities will penetrate.

Organic Nonpetroleum Application

Remove loose material prior to application unless the road surface will be mixed and/or compacted after the spray application. When applying vegetable oils, the top 25 to 50 millimeter (1 to 2 inches) of the surface should be loose to improve penetration.

Polymer Application

Light compaction is recommended after a polymer application, unless the polymer is mixed into the road surface.

Clay Additive Application

Ensure that the clay and the associated water used for compaction is uniformly distributed throughout the surface material. This method requires a minimum of 8 passes with a motor-grader or use of a cross-shaft rotary mixer.

All dust suppressants have a limited lifespan and require regular applications to satisfactorily control dust on a long-term basis. Subsequent applications should be made if and when dust levels exceed acceptable levels. These subsequent applications may be lighter than the initial application

6. Special Requirements:

APPROVAL and ACCEPTANCE:

NRCS

Practice JAA

Date

Program Participant

Date

CERTIFICATION:

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

NRCS

Practice JAA

Date