SECTION 620 – DUST CONTROL

620.01 Description. This section describes providing dust control to mitigate project dust nuisance.

620.02 Materials. Geobinder shall readily mix with water to form thin protective crust that will resist effects of water and wind erosion. Geobinder shall be environmentally benign, harmless to fish, birds, plants, and animals, and shall be nontoxic and noncombustible.

Surfactant shall enable water to be absorbed by soil more effectively by modifying surface tension of water.

620.03 Construction.

(A) Preconstruction Requirements. Submit plan outlining design and construction methods for project dust control. Design to minimize project impacts on adjacent properties. Include details for furnishing and applying water and constructing and maintaining dust screens. Provide water pollution control measures that are for dust control and that meet requirements of Section 209 - Temporary Water Pollution, Dust, and Erosion Control.

Dust control plan shall contain the following:

(1) List of dust producing activities.

(2) Method(s) that shall be used to mitigate or eliminate amount of dust produced, such as spraying water from water truck, using misters, chemical dust controlling agents, or combination thereof; hydromulching, keeping soil moist, and grassing.

(3) Name of designated Contractor’s representative responsible for implementing dust control plan, representative’s home, business, and fax number. Representative shall have authority to resolve complaints and inquiries. The Department will send public complaints and inquiries regarding dust from construction activities to the representative.

(4) Sampling program to collect data on effectiveness of methods used in controlling dust performed by independent certified monitoring laboratory. Direct independent certified monitoring laboratory to begin monitoring for dust before construction begins to establish base data.

(5) Proactive community relations program regarding dust issues.
(B) Construction Requirements.

(1) Do not begin work on the project until complete submittals detailed in Subsection 620.03(A) - Preconstruction Requirements have been accepted by the Engineer.

(2) Conduct proactive community relations program regarding dust issues.

(3) Maintain dust screens until permanent ground cover has been established. Revise dust screen installations, as necessary, to complete work and to meet environmental and climate changes.

(4) Apply water uniformly by pressure-type tank truck equipped with spray system and adequate control apparatus. Ensure uniform application of water. Use watering systems such as pipe, hose, and spray apparatus, only if uniform application of water can be ensured.

(5) Apply water as conditions require. Prevent water from wetting vehicles, pedestrians, and existing pavements. Repair or compensate for damages caused by watering.

(6) Geobinders with surfactants may be used to minimize water consumption.

(7) Employ best management practices (BMP's) with regard to dust control water leaving project site. Washing down of debris or dirt into drainage or sewer systems, or State waters will not be allowed.

(8) Modify and resubmit plans and construction schedules to correct conditions that develop during construction.

(9) Correct deficiencies in dust control methods based on recommendations by independent certified monitoring laboratory. Implement corrected methods to dust control plan within 24 hours.

(10) Continue monitoring for dust until at least 60 days after final project acceptance.

(11) Failure to lessen dust nuisance shall result in work suspension. The Engineer may elect to have work done by others and deduct the cost from payments due to the Contractor. The Engineer may elect to continue or to increase deduction of retainage from progress payment.

(12) Coordinate with and pay for fines imposed by the Department of Health.

620.04 Measurement. The Engineer will not measure dust control for payment.
620.05 Payment. The Engineer will not pay for dust control separately and will consider the cost for dust control as included in the contract lump sum price under Section 209 - Temporary Water Pollution, Dust, and Erosion Control. The cost is for the work prescribed in this section and the contract documents.

The Engineer will not pay for work to repair or to compensate for damages or fines caused by dust or water.

END OF SECTION 620