

SECTION 01562**DUST AND AIR QUALITY CONTROL****PART 1 GENERAL****1.01 SUMMARY**

- A. This Section includes furnishing, installing and operating controls during construction for dust and air pollution.
- B. Take necessary measures to control dust and to prevent spillage of excavated materials.
- C. Remove spillage of excavated materials, debris or dust by methods approved by the Authority.
- D. Sprinkle water at locations and in such quantities and at such frequencies as may be required by the Authority to control dust and prevent it from becoming a nuisance.
- E. Dust control, air pollution control and cleaning measures shall be provided at no additional cost to the Authority.

1.02 RELATED SECTIONS

- A. Section 01567 – General Environmental Controls
- B. Section 02200 – Earthwork

1.03 CODES AND STANDARDS

- A. United States Environmental Protection Agency Publication (EPA):
 - 1. 430/9-73-007 Processes, Procedures and Methods to Control Pollution Resulting from All Construction Activity
- B. Massachusetts Department of Environmental Protection (MassDEP):
 - 1. 310 CMR. 7.00 Air Pollution Control

1.04 SUBMITTALS (NOT USED)**1.05 QUALITY ASSURANCE**

- A. Control dust caused by operation and movement of vehicles and equipment in accordance with the latest EPA, MassDEP and OSHA standards, and all other applicable federal, state and local regulations.

1.06 QUALIFICATIONS (NOT USED)**1.07 DELIVERY, STORAGE, AND HANDLING (NOT USED)****1.08 PROJECT/SITE CONDITIONS (NOT USED)****1.09 DEFINITIONS (NOT USED)****1.10 TOLERANCE (NOT USED)****1.11 DESIGN CRITERIA**

- A. Implement dust control when soils are exposed, and before, during and after Work activity.
- B. Provide dust control during normal working hours, and, subject to the Authority's approval, outside of normal working hours. Provide and utilize the application of water, or other methods subject to the Authority's approval, when visible dust is present on site, in accordance with Section 01567 – General Environmental Controls.
 - 1. Water for dust control: Obtain permits, pay fees, and perform work in accordance with the requirements of the utility owner, including installing flow meters and backflow preventers, associated with providing water for dust control.
- C. All excavations, loading, and transport of materials shall minimize the formation of dust and shall conform to Section 02200 – Earthwork.
- D. Operations shall include air monitoring and dust minimization measures, consistent with Section 01567 – General Environmental Controls.

PART 2 PRODUCTS (NOT USED)**PART 3 EXECUTION****3.01 APPLICATION**

- A. Dust Control:
 - 1. Prevent dust.
 - a. Keep earth surfaces subject to dusting moist with water. Do not use calcium chloride for dust control. Water utilized for dust control on exposed soil shall be applied with suitable equipment, such as tank trucks, tanks, pipelines or other devices capable of applying a uniform spread of water over the surface receiving treatment. The equipment shall have a suitable device for shut-off and regulating the flow of water to permit positive operator control.

- b. Cover materials in piles or in transit to prevent blowing.
 - c. Maintain as much of the existing vegetation as is practicable in non-paved areas.
 - d. Construct and maintain an anti-tracking pad at the entrance to any and all off-road work or staging areas. Remove the anti-tracking pad once the Project is completed and restore the affected land in accordance with Section 02200 – Earthwork.
 - e. Portable rock crushers where allowed and utilized shall be equipped with fine water sprays to control dust.
- 2. Protect existing and new machinery, motors, instrument panels, or similar equipment with dust screens with ventilation.
- B. Air Pollution Control:
- 1. Comply with applicable air pollution laws. Burning of trees, brush, and other combustible materials will not be permitted.
 - 2. Provide trash receptacles about site, and empty containers daily.
 - 3. Stack construction materials, such as concrete forms and scaffolding, when not in use.
 - 4. Immediately remove splattered concrete, asphalt, oil, paint, corrosive liquids, and cleaning solution from surfaces.
 - 5. Wastes shall not be buried or burned on site.
- C. Debris and Clean Up:
- 1. Keep premises free from accumulation of waste materials and rubbish. Legally dispose of construction debris. Leave the entire site of Work in a neat and orderly condition at the conclusion of Work on site.

3.02 REMOVAL

- A. Remove temporary controls when approved by the Authority.

**** END OF SECTION ****