

SECTION 01 41 27

EARTHMOVING PERMIT AND DUST CONTROL

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Scope:
 - 1. CONTRACTOR shall obtain, pay for, and comply with permits required for earthmoving and dust-generating operations related to the Work, and develop and comply with provisions of a dust control plan. Obtain required earthmoving permits.
 - 2. Provide necessary labor, materials, equipment, and incidentals to: apply sufficient dust suppressants; properly clean all track-out areas to driveways, roadways, and highways; and provide adequate physical stabilizations of soils to comply with earthmoving permits and accepted dust control plan. Control fugitive dust generation from CONTRACTOR's operations including the following areas:
 - a. Construction areas.
 - b. Vehicle and equipment parking areas.
 - c. Material and equipment storage areas.
 - d. Site office, trailer, and staging areas.
 - e. Haul and access roadways.
 - f. Track-out areas.
 - g. Other areas where CONTRACTOR will work, store materials or equipment, or park vehicles and equipment.
 - 3. Do not cause or allow dust-generating operations, earthmoving operations, use of property, or other operations that result in fugitive dust emissions that exceed limits prescribed by authorities having jurisdiction.
 - 4. Pay fines and civil penalties incurred by OWNER because of CONTRACTOR's actions or violations of earthmoving permits and dust control plan.
- B. Post copy of earthmoving permits and accepted dust control plan at conspicuous location at the Site.
- C. Dust-proof enclosures or partitions for protection wherever dusty or dirty work is performed and dampening of debris to avoid dusting when removed shall be provided.
- D. Recordkeeping:
 - 1. Maintain daily written log to record the actual application or implementation of reasonably available control measures (RACM) described in the accepted dust control plan.

2. Maintain the written log and supporting documentation at the Site, and submit copies to ENGINEER or OWNER upon request.
3. Retain copies of dust control plan, RACM implementation records, and supporting documentations for at least three years after Substantial Completion.

1.2 SUBMITTALS

- A. Informational Submittals: Submit the following:
- 1 Dust Control Plan:
 - a. In accordance with Article 1.3 of this Section. Submit within the earlier of 30 days after the Contract Times commence running or prior to commencing earth-disturbing operations at the Site.
 2. Earthmoving Permit:
 - a. Submit copy of permits obtained from authorities having jurisdiction, within seven days following obtaining such permits. Do not commence earthmoving operations at the Site until required permits are obtained.
 3. Daily Logs and RACM Records:
 - a. Submit upon request of OWNER or ENGINEER.
 4. Field Quality Control Submittals:
 - a. When opacity monitoring is required, submit results no later than two business days following completion of observations.

1.3 DUST CONTROL PLAN

- A. Develop and submit to ENGINEER and OWNER a dust control plan that shall include the following:
1. Names, address, and telephone number of person(s) responsible for preparing and overseeing implementation of dust control plan. Designate one person responsible for overseeing implementation of dust control plan for the Project.
 2. Name(s), address(es), and telephone number(s) of person(s) responsible for dust generating operations.
 3. Site plan delineating total area of land surface to be disturbed. Delineate each area of phased disturbances if applicable.
 4. Total disturbed area in acres; earthmoving and dust-generating operations and activities to be performed at the Site; actual and potential sources of fugitive dust emissions; and delivery, transportation, and storage areas for the Site, including types of materials stored and appropriate size of material stockpiles.
 5. Description of reasonably available control measures (RACM) to be implemented during dust-generating operations at actual and potential sources of fugitive dust.
 6. Description of dust suppressants to be used including product data and safety data sheets (SDS); method, frequency, and intensity of application;

- type, number, and capacity of application equipment; and certifications related to the suppressant's appropriate and safe use.
7. Description of specific surface treatment(s) or RACM proposed for controlling material deposition along paved surfaces (e.g., "track-out) where unpaved Site surfaces or Site access points meet paved surfaces.
 8. As contingency measure, designate and include description of at least one alternative RACM for each actual and potential fugitive dust source.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

3.1 FIELD QUALITY CONTROL

A. Monitoring.

1. Upon direction of OWNER or ENGINEER, obtain opacity observations for visible emissions of fugitive dust in accordance with:
 - a. USEPA Method 9, Visual Determination of Opacity of Emissions from Stationary Sources (Emission Measurement Technical Information Center Test Method 009).
2. Obtain opacity observations from at least six locations at downwind perimeter of the Site during construction operations. Submit written report of observations.
3. Opacity observations shall be by person trained and experienced with the method specified.
4. No additional compensation or time will be authorized for opacity observations.

+ + END OF SECTION + +