|  |  |
| --- | --- |
| **QUESTION** | **Application** |
| **WE1.1** | **Is Wind Erosion Control applied as required?** |
| **SPECs, 14-9.03A General** | Prevent and alleviate dust by applying water, dust palliative, or both and by covering active and inactive stockpiles. |
| **CGP, Attachment C.D.1, D.D.1, E.D.1** | Risk Level 1, 2 and 3 dischargers shall implement effective wind erosion control. |
| **SPECs, 18-1.03A General** | Monitor conditions and apply dust palliative for dust control as described and as ordered. Dust control may be required at any time. |
| **CGP, Attachment C.B.6, D.B.6, E.B.6** | Risk Level 1, 2 and 3 dischargers shall implement good housekeeping measures on the construction site to control the air deposition of site materials and from site operations. Such particulates can include, but are not limited to, sediment, nutrients, trash, metals, bacteria, oil and grease and organics. |
| **LTP VIII, B.15** | Dischargers shall implement a combination of sediment and erosion controls to prevent or minimize sediment discharges from the site. Control measures shall include, but are not limited to, the following items:  **15.** Wind erosion shall be controlled to prevent nuisance and to prevent the transport of dust and soil particles into the air, off the project site, into any surface waters, or into any drainage course. |

|  |  |
| --- | --- |
|  | **Implementation** |
| **WE1.2** | **Is Wind Erosion Control properly implemented?** |
| **SPECs, 18-1.02 MATERIALS** | Dust control binders or dust palliative must be either miscible in water or a material that is directly applied to the surface without mixing with water.  Binders that are miscible in water must be one of the following types:  1. Resin emulsion composed from 57 to 63 percent of semiliquid petroleum resin and the remainder composed of water to which a suitable emulsifying agent has been added. Resin emulsion must comply with the following:  1.1. Resin emulsion must be readily miscible with water and when diluted with any hard water in the proportions of 1 part emulsion to 10 parts water must show no signs of breakdown or separation of the petroleum resin base.  1.2. Resin emulsion that has been stored in closed containers at temperatures above freezing for a period up to 3 months must show no signs of separation.  1.3. Resin emulsion that has been stored for more than 3 months must not be used until tested and authorized.  2. Asphaltic emulsion complying with the material specifications for asphaltic emulsions, Grade SS1.  3. Binder materials composed of lignin sulfonate.  4. Binder material that is noncorrosive, effective as a dust palliative, and miscible in water in the proportions specified in section 18-1.03C.  Binders that are directly applied to the surface without mixing with water must be a product prepared from crude petroleum that is effective as a dust palliative. |
| **SPECs, 18-1.03B Mixing** | Mix binders that are miscible in water with additional water at a rate of 4 to 19 parts water to 1 part binder. The exact rate must be authorized. Accomplish mixing by placing the binder and water in the spreading equipment simultaneously or by another mixing method that produces equivalent results. |
| **SPECs, 18-1.03C Application** | Apply binders that are miscible in water with pressure type water distributor trucks equipped with a spray system or pressure type asphalt distributors that comply with mixing and application specifications in section 93. Apply material at an approximate rate of 0.2 to 0.8 gal/sq yd.  Apply binders that are directly applied to the surface without mixing with water using authorized equipment. Apply binder at a rate of 0.10 to 0.25 gal/sq yd. |
| **CGP, Order IV.E Proper Operation and Maintenance** | The discharger shall at all times properly operate and maintain any facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with the conditions of this General Permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance may require the operation of backup or auxiliary facilities or similar systems installed by a discharger when necessary to achieve compliance with the conditions of this General Permit. |