|  |  |
| --- | --- |
| **QUESTION** | **Application** |
| **SC6.1a** | **Is the Temporary Gravel Bag Berm applied as required - temporary linear barrier (perimeter control)?** |
| **CGP, Attachment C.E.1, D.E.1, E.E.1** | Risk Level 1, 2 and 3 dischargers shall establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from the site. |
| **LTP, VIII, B** | 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:  **1.** Install temporary sediment controls for the down gradient perimeter of the project site, and/or any location where storm water or authorized non-stormwater may discharge from the project site, prior to the initiation of any construction related activities. |
| **SC6.1b** | **Is the Temporary Gravel Bag Berm applied as required - temporary slope interrupters (face of slope)?** |
| **CGP, Attachment D.E.4; E.E.4** | Risk Level 2 and 3 dischargers shall apply linear sediment controls along the toe of the slope, face of the slope, and at the grade breaks of exposed slopes. |

|  |  |
| --- | --- |
|  | **Installation** |
| **SC6.2a** | **Is the Temporary Gravel Bag Berm installed properly as temporary linear barrier (perimeter control)?** |
| **SPECs, 13-10.03A General** | Before installing a temporary linear sediment barrier, remove obstructions, including rocks, clods, and debris greater than 1 inch in diameter from the ground.  Place gravel-filled bags behind Type K temporary railing if used within the shoulder area. |
| **SPECs, 13-10.03C Temporary Gravel Bag Berms** | Place the bags end-to-end to eliminate gaps. Place bags approximately parallel with the slope contour. Angle the last 6 feet upslope at the downhill end of the run. Stack the bags so that the upper row overlaps joints in the lower row.  If you need to increase the height of a temporary gravel bag berm, add more layers of gravel-filled bags. Stack the bags in the upper row to overlap the joints in the lower row. Stabilize the rows by adding more rows of bags in the lower layers. |
| **SC6.2b** | **Is the Temporary Gravel Bag Berm installed properly as temporary slope interrupters (face of slope)?** |
| **CGP, Attachment D.E.4; E.E.4** | Risk Level 2 and 3 dischargers shall apply linear sediment controls along the toe of the slope, face of the slope, and at the grade breaks of exposed slopes to comply with sheet flow lengths in accordance with Table 1.  Table 1-Critical Slope/Sheet Flow Length Combinations  Slope Percentage Sheet flow length not to exceed  0 - 25% 20 feet  25-50% 15 feet  Over 50% 10 feet |
| **SPECs, 13-10.03A General** | As specified for installation above in **temporary linear barrier (perimeter control)**. |
| **SPECs, 13-10.03C Temporary Gravel Bag Berms** | As specified for installation above in **temporary linear barrier (perimeter control)**. |

|  |  |
| --- | --- |
|  | **Materials** |
| **SC6.3** | **Does the Temporary Gravel Bag Berm consist of the proper materials?** |
| **SPECs, 13-5.02G Gravel-Filled Bags** | Gravel-filled bags must:  1. Be made of geosynthetic gravel-filled bag.  2. Have inside dimensions from 24 to 32 inches long and from 16 to 20 inches wide.  3. Have a bound opening to keep gravel. The opening must be sewn with yarn, bound with wire, or secured with a closure device.  4. Weigh from 30 to 50 pounds when filled with gravel.  Gravel for gravel-filled bags must be from 3/8 to 3/4 inch in diameter and must be clean and free of clay balls, organic matter, and other deleterious materials. |

|  |  |
| --- | --- |
|  | **Maintenance** |
| **SC6.4** | **Is the Temporary Gravel Bag Berm maintained properly?** |
| **SPECs, 13-10.03A General** | Maintain a temporary linear sediment barrier to provide sediment-holding capacity and to reduce concentrated flow velocities.  Repair or adjust the barrier whenever rills and other evidence of concentrated runoff are occurring beneath the barrier.  Repair or replace split, torn, or unraveled material.  Remove sediment deposits, trash, and other debris as needed or ordered.  Whenever you place the removed sediment deposits within the job site, stabilize the sediment deposits to prevent erosion. |
| **CGP, Attachment C.E.1, D.E.1, E.E.1** | Risk Level 1, 2 and 3 dischargers shall establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from the site. |
| **CGP, Attachment D.E.6; E.E.6** | Risk Level 2 and 3 dischargers shall ensure that all storm drain inlets and perimeter controls, runoff control BMPs, and pollutant controls at entrances and exits (e.g. tire washoff locations) are maintained and protected from activities that reduce their effectiveness. |
| **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. |