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| **QUESTION** | **Application** |
| **SS9.1** | Is the Earth Dike/Drainage Swale or Lined Swale applied as required? |
| **CGP, Attachment C.F, D.F, E.F** | Risk Level 1, 2, 1nd 3 dischargers shall effectively manage all run-on, all runoff within the site and all runoff that discharges off the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance with the effluent limitations in this General Permit. |
| **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:  **2**. Install temporary gravel bag dikes, fiber rolls, filter fabric fence, or other equivalent measures as necessary to control erosion and runoff.  **8**. Control storm water volume and velocity within the site to minimize soil erosion and offsite discharges.  **9**. Direct all run-on surface flows from offsite, to the maximum extent possible, away from all disturbed areas.  **10.** Surface flows from the project site shall be controlled to prevent downstream erosion at any point. |

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|  | **Installation** |
| **SS9.2** | Is the Earth Dike/Drainage Swale or Lined Swale installed properly? |
| **SPECs, 13-10.03I Temporary Earthen Berms** | Construct a temporary earthen berm with native soil or selected material at least 8 inches high by 36 inches wide. Compacter by hand or mechanical methods.  For other devices - See individual device requirement, but note the finding as SS-9. |
| **SPECs, 21-1.03O Rolled Erosion Control Products** | Before placing RECP, ensure the subgrade has been graded smooth and has no depressed voids. The subgrade must be free from obstructions, such as tree roots, projecting stones, or foreign matter greater than 1 inch in diameter.  Fasten RECP to the surface with staples and anchor as shown.  Do not drive vehicles upon RECP following placement |
| **See Standard Plan Sheet T55** | Temporary Erosion Control Blanket |

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|  | **Materials** |
| **SS9.3** | Does the Earth Dike/Drainage Swale or Lined Swale consist of the proper materials? |
| **SPECs, 13-5.02B Erosion Control Blankets** | An erosion control blanket classified as long-term and non-degradable must be rock slope protection fabric, Class 8. |
| **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. |
| **SPECs, 21-1.02O(1) Rolled Erosion Control Products**  **General** | RECP must be a long-term, degradable, open-weave textile manufactured or fabricated into rolls designed to reduce soil erosion and assist in the growth, establishment, and protection of vegetation. RECP must conform to the classification system established by the Erosion Control Technology Council. |
| **SPECs, 21-1.02O(2) Jute Mesh** | Jute mesh must be made of processed natural jute yarns woven into a matrix. |
| **SPECs, 21-1.02O(3) Netting** | Netting must be made of coconut fiber woven into a matrix. |
| **SPECs, 21-1.02O(4) Erosion Control Blankets** | Erosion control blanket must be made of processed natural fibers that are mechanically, structurally, or chemically bound together to form a continuous matrix that is surrounded by 2 natural nets. |
| **SPECs, 21-1.02O(5) Turf Reinforcement Mats** | Turf reinforcement mat must be a nondegradable, open-weave textile made of synthetic fibers, filaments, nets, wire mesh or other elements, processed into a permanent, three-dimensional matrix. Turf reinforcement mat must comply with requirements shown in the following table: |
| **SPECs, 21-1.02R Fasteners** | Steel staples must be a minimum of 11-gauge, 6-inch, U-shaped staples with a 1-inch crown. Provide heavier gauge and greater length if required by the site conditions. You may use an alternative CGP, Attachment device such as a 100 percent biodegradable fastener to install RECP instead of staples. |

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|  | **Maintenance** |
| **SS9.4** | Is the Earth Dike/Drainage Swale or Lined Swale maintained properly? |
| **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 Operations 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. |

