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| **QUESTION** | **Application** |
| **SC5.1a** | **Are the Fiber Rolls 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. |
| **SC5.1b** | **Are the Fiber Rolls 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. |

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|  | **Installation** |
| **SC5.2a** | **Are the Fiber Rolls installed properly as temporary linear barrier (perimeter control)?** |
| **SPECs, 13-10.03D Temporary Large Sediment Barriers** | Install a temporary large sediment barrier as follows:  1. Place a single row of fiber rolls end-to-end approximately parallel with the slope contour. For any 20-foot section of fiber roll, do not allow the fiber roll to vary by more than 5 percent from level.  2. Place the fiber rolls in a furrow that is from 6 to 8 inches deep.  3. Secure the fiber rolls with wood stakes 4 feet apart.  4. Place a stake 18 inches from each end of each fiber roll.  5. Drive the stakes into the soil so that the top of the stakes are less than 2 inches above the top of the fiber rolls.  6. Angle the last 6 feet upslope at the downhill end of the run. |
| **SPECs, 21-1.03P Fiber Rolls** | Before installing fiber roll remove obstructions from the ground, including rocks, clods, and debris greater than 1 inch in diameter.  Type 1 fiber roll installation consists of placing and fastening as follows:  1. Place in a furrow that is from 2 to 4 inches deep.  2. Fasten with wood stakes every 4 feet along the length of the fiber roll.  3. Fasten the ends of the fiber roll by placing a stake 6 inches from the end of the roll.  4. Drive the stakes into the soil so that the top of the stake is less then 2 inches above the top of the fiber roll.  Type 2 fiber roll installation consists of placing and fastening as follows:  1. Fasten with notched wood stakes and rope.  2. Drive stakes into the soil until the notch is even with the top of the fiber roll.  3. Lace the rope between stakes and over the fiber roll. Knot the rope at each stake.  4. Tighten the fiber roll to the surface of the slope by driving the stakes further into the soil. |
| **See Standard Plan Sheet T66** | Temporary Large Sediment Barrier |
| **SC5.2b** | **Are the Fiber Rolls installed properly as temporary slope interrupters (face of slope)?** |
| **SPECs, 21-1.03P Fiber Rolls** | Install fiber roll approximately parallel to the slope contour. For any 20-foot section of fiber roll, prevent the fiber roll from varying more than 5 percent from level. Install fiber roll on slopes at the following spacing unless shown otherwise:  1. 10 feet apart for slopes steeper than 2:1 (horizontal:vertical)  2. 15 feet apart for slopes from 2:1 to 4:1 (horizontal:vertical)  3. 20 feet apart for slopes from 4:1 to 10:1 (horizontal:vertical)  4. 50 feet apart for slopes flatter than 10:1 (horizontal:vertical) |
| **SPECs, 21-1.03P Fiber Rolls** | As specified for Type 1 and Type 2 fiber roll installations above in **temporary linear barrier (perimeter control)**. |
| **See Standard Plan Sheet T56** | Temporary Fiber Roll |

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|  | **Materials** |
| **SC5.3** | **Do Fiber Rolls consist of the proper materials?** |
| **SPECs, 13-10.02B Fiber Roll** | Fiber rolls for a large sediment barrier must be Type B, except the dimensions must be from 18 to 22 inches in diameter, at least 8 feet long, and weigh at least 6.5 pounds per linear foot. |

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| **SPECs, 13-10.02C Posts** | Do not use metal posts for a temporary large sediment barrier.  Wood posts must be:  1. At least 2 by 2 inches in size and 4 feet long  2. Untreated fir, redwood, cedar, or pine, cut from sound timber  3. Straight and free of loose or unsound knots and other defects that could render the posts unfit for use  4. Pointed on the end to be driven into the ground |

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| **SPECs, 21-1.02P Fiber Rolls** | Fiber roll must have a minimum functional longevity of 1 year and comply with the following requirements:  1 Type A fiber roll must be fabricated from an erosion control blanket rolled along its width. Secure with natural fiber twine at 6-foot intervals, and 6 inches from each end. Fiber roll size must comply with either one of the following:  1.1. 8 to 10 inches in diameter, 10 to 20 feet long, and at least 0.5 lb/ft  1.2. 10 to 12 inches in diameter, at least 10 feet long, and at least 2 lb/ft  2 Type B fiber roll must be a pre-manufactured roll filled with rice or wheat straw, wood excelsior, or coconut fiber. Rolls must be covered with biodegradable jute, sisal, or coir fiber netting secured tightly at each end. Fiber roll size must comply with either one of the following:  2.1. 8 to 10 inches in diameter, 10 to 20 feet long, and at least 1.1 lb/ft  2.2. 10 to 12 inches in diameter, at least 10 feet long, and at least 3 lb/ft |
| **SPECs, 21-1.02R Fasteners** | Wood stakes must be untreated fir, redwood, cedar, or pine and cut from sound timber. The ends must be pointed for driving into the ground. Notched stakes must be at least 1 by 2 by 24 inches in size. Stakes without notches must be at least 1 by 1 by 24 inches.  Metal stakes must be at least 1/2 inch in diameter and have tops bent at 90-degree angles or capped with an orange or red plastic safety cap that fits snugly onto the metal stake.  Rope to fasten fiber rolls and compost socks must be 1/4 inch in diameter and biodegradable, such as sisal or manila. |

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|  | **Maintenance** |
| **SC5.4** | **Are the Fiber Rolls 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. |



