

Spring Startup Requirements for Construction Stormwater Permit

The Construction Stormwater Permit allows us to suspend inspections over the winter if everything is stabilized and there is no construction activity. However, inspections must resume within 24 hours once we get a ½" rain or enough snowmelt to cause runoff.

Inspection

Inspect entire project for effectiveness of erosion prevention, sediment control, and good housekeeping. Pay special attention to areas within 200' of water leaving the project or entering infiltration/filtration basins.

Corrective Action

Take photographs of and note specific locations where corrective action is needed. Schedule those corrective actions, and consider whether soils will be firm enough to allow access. Amend the SWPPP as needed.

Moving Forward

Schedule meeting with contractor for new season SWPPP implementation for remaining portion of the project with a focus on public waters, environmental commitments, dewatering, and concrete management. Remind contractor about continuous fugitive dust control incorporation into all potential dust generating activities. Resume routine weekly quality control inspections for NPDES permit compliance. Resume contractor submittals of weekly look-ahead schedule for how the contractor will incorporate erosion prevention into soil disturbance and grading operations.

Initial Inspection Checklist:

1. Erosion Prevention BMPs

Permit requires all items below to be restored to a functional condition within the next business day after discovery.

- a. Straw mulch cover remains at 90 percent or better

- b. Hydraulic erosion control products at or near 100 percent cover
- c. Rolled erosion control products remain in place and correctly installed, with no gaps
- d. Reinforced plastic sheet covers (3733 or 3888) remain installed with no gaps
- e. Geotextile covers remain installed with no gaps
- f. Riprap at culvert ends, lined channels, banks, abutments, flumes etc. remain functional
- g. Exit stabilization mats/ pads remain visible, free of mud sufficient to limit trackout.
Geotextile was installed.

What if the soils are too wet for equipment?

- a. Straw mulch plus Reinforced Fiber Matrix: Blow 0.5 to 1.5 tons/ac straw mulch from the road grade, depending on existing mulch cover. Glue this in place with 500 to 750 lbs/ac Reinforced Fiber Matrix (3884). Must be on soil, regardless of condition. Only RFM is suitable on cold wet soils, frozen soils (but not snow covered) or installation during light rains.
- b. Apply 1000 to 3000 lbs/ac of RFM as needed to bring mulch cover back to 100 percent.
- c. Repair failing blanket. If it is full of sediment, overlay it with new blanket.
- d. Install reinforced plastic sheeting (3733 or 3888).

2. Sediment Control BMPs

Permit requires items below to be restored to a functional condition with times that vary between the next business day after discovery, to 72 hours for trap cleanout.

- e. Perimeter controls (for stockpiles as well as project limits) remain installed in original orientation, no rips or gaps
- f. Ditch checks remain installed in original orientation, no gaps
- g. Perimeter controls, ditch checks, and sediment traps remain less than ½ filled with sediment. If more than ½ full, remove sediment and spread in areas that will not again wash back into sediment controls.
- h. Evaluate effectiveness of temporary sediment traps installed to settle turbid water. Reinstall flotation surface skimmer outfall devices. Install silt curtain flotation baffles to limit resuspension of collected solids. Schedule brown water treatment chemical applications and sediment deposit removal for spring rain preparation of flows.
- i. Slope diversions remain installed in original orientation, no rips or gaps
- j. Inlet protections functional and clean, with no rips, gaps, or plugging. Devices that were removed for winter safety may need to be re-installed now.
Culvert inlet riser controls remain installed in original orientation as per original intent or detail drawing

3. Good housekeeping BMPs

Permit requires all items below to be restored to a functional condition within the next business day after discovery.

- k. Material handling. Must be under cover.

- l. Spill program. No observed soil color change, no films visible in traps, conveyance systems, culvert outfalls, receiving waters
- m. Trash program. Nothing visible on ground, stored within lidded containers.
- n. Waste material program. Material cover remains with no gaps or rips. Perimeter system with no gaps.
- o. Hazardous/Toxic waste program. Must be under cover. Nothing visible on ground, material stored within lidded, vandal secured containers.
- p. Portable urinals secured to prevent tipping, secondary containment kept in functional condition.

For more information contact the Erosion and Stormwater Management Unit

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