
CONSTRUCTION SPECIFICATION
CS-OR-005 POLLUTION CONTROL

005.1 SCOPE

The work consists of installing measures or performing work to control erosion and minimize the production of sediment and other pollutants to water and air from construction activities.

005.2 MATERIAL

All material furnished shall meet the requirements of the material specifications listed in Section 005.7 of this specification.

005.3 EROSION AND SEDIMENT CONTROL MEASURES AND WORKS

The measures and works shall include, but are not limited to, the following:

Staging of earthwork activities — The excavation and moving of soil materials shall be scheduled to minimize the size of areas disturbed and unprotected from erosion for the shortest reasonable time.

Seeding — Seeding to protect disturbed areas shall occur as soon as reasonably possible following completion of that earthwork activity.

Mulching — Mulching to provide temporary protection of the soil surface from erosion.

Diversions — Diversions to divert water from work areas and to collect water from work areas for treatment and safe disposition. They are temporary and shall be removed and the area restored to its near original condition when the diversions are no longer required or when permanent measures are installed.

Stream crossings — Culverts or bridges where equipment must cross streams. They are temporary and shall be removed and the area restored to its near original condition when the crossings are no longer required or when permanent measures are installed.

Sediment basins — Sediment basins collect, settle, and eliminate sediment from eroding areas from impacting properties and streams below the construction site(s). These basins are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

Sediment filters — Straw bale filters or geotextile sediment fences trap sediment from areas of limited runoff. Sediment filters shall be properly anchored to prevent erosion under or around them. These filters are temporary and shall be removed and the area

restored to its original condition when they are no longer required or when permanent measures are installed.

Waterways — Waterways for the safe disposal of runoff from fields, diversions, and other structures or measures. These works are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

Other — Additional protection measures as specified in Section 005.7 of this specification or required by Federal, State, or local government.

005.4 AIR POLLUTION

The burning of brush or slash and the disposal of other materials shall adhere to state and local regulations.

Fire prevention measures shall be taken to prevent the start or spreading of wildfires that may result from project activities. Firebreaks or guards shall be constructed and maintained at locations shown on the drawings.

All public access or haul roads used by the contractor during construction of the project shall be sprinkled or otherwise treated to fully suppress dust. All dust control methods shall ensure safe construction operations at all times. If chemical dust suppressants are applied, the material shall be a commercially available product specifically designed for dust suppression and the application shall follow manufacturer's requirements and recommendations. A copy of the product data sheet and manufacturer's recommended application procedures shall be provided to the engineer 5 working days before the first application.

005.5 OTHER ENVIRONMENTAL CONSIDERATIONS

Dust Control - All public access or haul roads used by the contractor during construction activities project shall be sprinkled or otherwise treated to fully suppress dust.

Staging Equipment - All construction equipment shall be staged in a location and manner to minimize air, soil and water pollution.

Storage of Fuel and Lubricants - All fuel and lubricants shall be stored in containers and areas that are in conformance with the Oregon State Department of Environmental Quality and local regulations. If a spill of chemical pollutants such as fuel or hydraulic fluid should occur, immediately attempt to contain the spilled material. The following procedures shall be followed:

- (a) For spillage on land, construct earthen berms or use other suitable barricade material of sufficient size to contain the spill and keep it from spreading.
- (b) For spillage on water, attempt to isolate and contain the spilled material. Commercial booms or other suitable materials shall be kept on site during construction to contain fuel and oil spills on water.
- (c) Call the Oregon Emergency Response System (ORES) at (800)452-0311.

Servicing and Refueling Equipment - All fuel and lubricants used in the servicing of construction equipment shall be done in a manner that avoids spills and over filling. The Oregon State Department of Environmental Quality shall be notified immediately of any spill and the operator shall contain the spillage.

Sanitary Facilities - Sanitary facilities such as chemical toilets shall be located at least 100 feet from water bodies to prevent contamination of surface or subsurface water.

Environmentally Sensitive Areas - All environmentally sensitive areas, as shown on the drawings or as flagged at the construction site, shall be avoided. If human remains are discovered stop construction immediately, secure the site and contact the County Sheriff. If cultural materials are discovered stop construction immediately and contact the NRCS Cultural Resources Specialist. The contractor shall be responsible for mitigating any damages to sensitive areas that are a result of construction activities not approved by the NRCS technician.

005.6 MAINTENANCE, REMOVAL, AND RESTORATION

All pollution control measures and temporary works shall be adequately maintained in a functional condition for the duration of the construction period. All temporary measures shall be removed and the site restored to near original condition.

005.7 ITEMS OF WORK AND CONSTRUCTION DETAILS