

Well Drilling - Erosion and Sediment Control Plan

Construction Site Project Name: _____

Physical Site Address: _____

This document is intended for well drilling contractors to use as an over-the-counter Erosion and Sediment Control Plan (ESCP) for the drilling, construction, and development of wells under the permit authority of the County of Mendocino Department of Environmental Health and in accordance with the California Well Standards and Mendocino County Well Ordinance. It is the responsibility of the drilling contractor, permit holder and owner to comply with Mendocino County Ordinance No. 4313 Storm Water Runoff Pollution Prevention Procedure. This ESCP is being made available as a courtesy by the County of Mendocino solely for well projects that will have less than one-acre of disturbed soil and are not subject to the State Water Resources Control Board Construction General Permit. A well drilling contractor may use this ESCP of County adopted Best Management Practices BMPs or design and submit their own ESCP. Failure of the well drilling contractor, permit holder or owner to comply may result in work stoppage, a written citation, monetary fine or any combination thereof. Implement all BMPs that are required to control erosion and sediment within the construction site in accordance with the above referenced County Ordinance.

1. **Scheduling Construction Activity:** install BMPs prior to beginning work during the rainy season of October 1 through April 1.
2. **Preservation of natural features, vegetation and soil:** existing vegetation outside the project area will be preserved on the site and protected.
3. **Lined Ditch or Trench:** use a geotextile liner in any ditch or trench used to transmit sediment-laden water from the drill rig to a treatment structure or to a vegetated filter strip
4. **Mulching or hydroseeding to stabilize disturbed soils:** apply seed and mulch, such as wood fiber or straw, to protect exposed soil from erosion from raindrop impact or wind.
5. **Erosion control to protect soils:** use mattings of natural materials, geotextiles, or plastic cover, will be used to cover the soil surface to reduce erosion from rainfall impact, see BMP EC-7
6. **Protection of storm drain inlets:** protect storm drain inlets that may receive turbid water; use a gravel bag barrier, block and gravel filter, excavated drop inlet sediment trap, or filter fabric fence, see BMP SE-10
7. **Perimeter sediment control:** a) Install silt fence on level contour to trap sediment-laden runoff from disturbed areas to promoted sedimentation behind the fence, see BMP SE-1; b) place fiber rolls the project perimeter to provide for the removal of sediment from runoff, see BMP SE-5; c) install a sandbag barrier on a level contour to intercept sheet flow and pond runoff to allow sediment to settle out, see BMP SE-8; d) place straw bales end-to-end on a level contour to intercept sheet flow to pond runoff to allow sediment to settle out, see BMP SE-9
8. **Sediment basin or containment bins/drums:** a) Use a sediment filter bag to trap sediment while allowing pumped water to flow through the bag; b) construct a temporary sediment basin or utilize water tight bins/drums to capture turbid water and provide time to allow sediment to settle out in suspension; c) after water sufficiently settles, the water may be released to a vegetated filter strip of land or allowed to infiltrate/evaporate, see SE-2.
9. **Stabilized construction exits:** a) develop a Stabilized Construction Exit, a driveway aggregate (e.g. gravel) underlain with filter cloth, will be located where traffic will be entering or leaving the construction site to or from a public right of way, street, alley, sidewalk, or parking area, see TC-1; b) tire washing will be used with a Stabilized Construction Exit, see TC-3
10. **Material handling and waste management:** a) contain contaminated water in liquid-tight containers; b) follow all federal, state, and local regulations that apply to the use, handling, or disposal of hazardous materials; c) designate a waste collection area and use containers with lids so that they can be covered with lids.
11. **Construction material management:** Use plastic sheeting or tarps to keep materials (sand, compost, clay, bentonite, cement, etc...) covered during periods of rain.
12. **Management of concrete washout area:** Designate a concrete washout area. Collect and retain concrete washout water or chemicals and solids in leak proof containers so that it does not reach the soil surface and then migrate to surface water or into the ground water.
13. **Control of vehicle/equipment fueling to contractor's staging area:** Store and use petroleum products in dry covered areas and perform vehicle fueling in areas having materials and equipment available to contain and clean up any spills that may occur.
14. **Spill prevention and control:** Check equipment, hydraulic lines, and containers for leaks and corrosion; b) maintain a spill-kit with absorbent materials; c) clean up spills immediately; d) for hazardous materials, follow cleanup instructions on the package.
15. **Other Well Drilling BMP acceptable to the County**
