

NPDES

Storm water pollution is controlled by the Clean Water Act amendments of 1987. The amendments authorized the U.S. Environmental Protection Agency (EPA) to expand the National Pollutant Discharge Elimination System (NPDES) Program to cover storm water discharges. The NPDES Program is a permitting mechanism that requires the implementation of controls designed to prevent harmful pollutants from being washed by storm water runoff into local water bodies. NPDES includes Industrial, Construction, Municipal, and Waste Discharge Storm Water Programs.

IMPORTANT INFORMATION

Specific NPDES state regulations extend to construction sites disturbing one acre or more of ground surface or to sites less than one acre in size if they are part of a larger common development.

For additional state information on construction in the West Slope visit:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

For additional state information on construction in the Tahoe Basin visit:

http://www.waterboards.ca.gov/lahontan/water_issues/programs/storm_water/docs/tahoe_cgp.pdf

**El Dorado County's
Erosion and Sediment
Control Implementation
Requirements**

- County Grading, Erosion, and Sediment Control Ordinance #4949 - Chapter 15.14
- County Stormwater Quality Ordinance #5022 - Chapter 8.79
- County Design and Improvement Standards Manual - Volume III
- County Drainage Manual
- Storm Water Management Plan (SWMP) for Western El Dorado County

Refer to the Combined El Dorado County Resource Conservation District and El Dorado County Department of Transportation Erosion Control Requirements and Specifications for additional BMP details (<http://www.edcgov.us/uploadedFiles/Government/LongRangePlanning/StormWaterManagement/ErosionControlSpecs.pdf>)



For Questions or Comments about the Storm Water Management Program Contact:

Phone Hotline: 530-573-7906

E-mail: stormwater@edcgov.us

Website: www.edcgov.us/LongRangePlanning/StormWaterManagement/Storm_Water_Construction_Permit_Information.aspx



El Dorado County Community Development Agency
Long Range Planning Division
2850 Fairlane Court, Bldg. C, Placerville, CA 95667

El Dorado County—West Slope

**Construction Site
Best Management
Practices (BMPs) for
Erosion and Sediment
Control**

January 2016



Storm Water
Management
Program

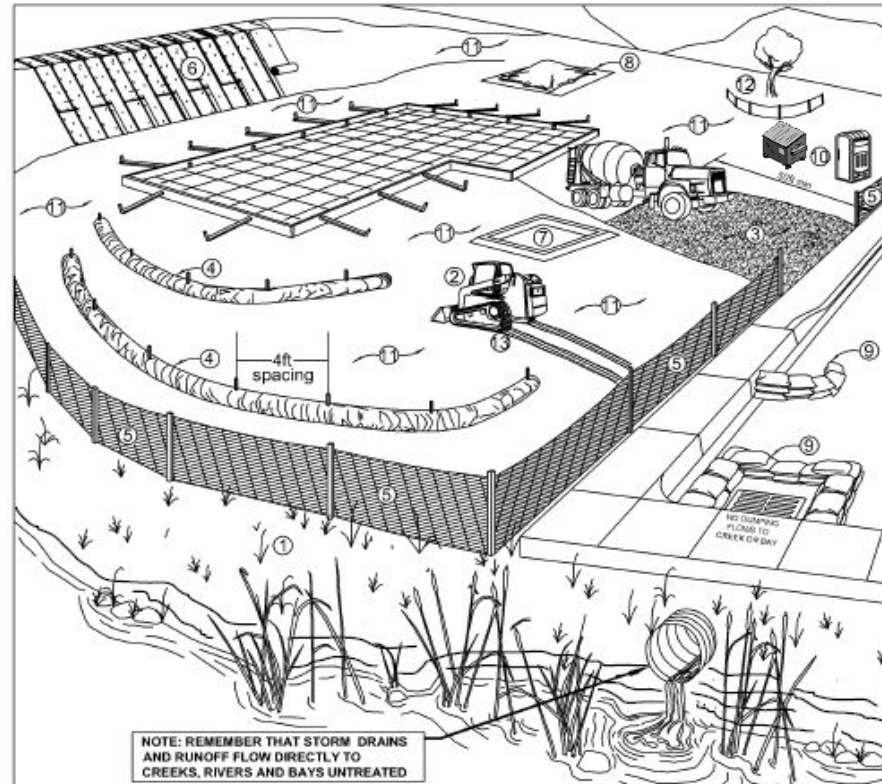
CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPS) FOR EROSION AND SEDIMENT CONTROL

El Dorado County

Storm water runoff from construction activities can have a significant impact on water quality. As storm water flows over a construction site, it can pick up pollutants such as sediment, debris, and chemicals and transport these to a nearby storm drain system or directly to a water body without treatment. Polluted storm water runoff and sedimentation can harm or kill fish and other wildlife, destroy aquatic habitat, and cause stream bank erosion. Storm water infrastructure clogged with sediment can cause flooding, public harm, and property damage.

Below are the minimum maintenance practices recommended by El Dorado County to avoid or minimize pollutants discharged to waterways. By following them you can help protect water quality in our streams and comply with local, state, and federal regulations. The State Water Resources Control Board (SWRCB) may require additional BMPs if the project disturbs one acre or more of land or is part of a larger common development. The diagram below shows the menu of maintenance practices that are suggested as needed when clearing, grading, or excavating one acre or less of land. The numbers on the diagram correspond to the numbered BMPs listed below.

1. Check with local planning department for creek and slope setbacks and tree preservation requirements. Grading and/or building may be limited within creek buffers and around tree canopies.
2. During the grading phase, track-walk up and down slopes, not parallel to them.
3. Stabilize site entrance - use 4-5" crushed rock at least 12" in depth placed over geotextile fabric for 50' (or as far as possible) to prevent tracking soil offsite. This can be used in conjunction with a tire wash or rumble plates.
4. Use straw wattles along project perimeters and on contours of short slopes or slopes 3:1 or flatter, keyed into the ground at least 3" deep and staked every 4'. If more than one fiber roll is placed in a row, the rolls must be overlapped, not abutted.
5. Install silt fence along contours at locations down gradient of work in areas located near water bodies. The silt fence should be installed in a trench excavated 6" wide and 6" deep and the bottom of fence should be keyed-in a minimum of 12". Posts should be spaced a maximum of 6' apart and driven securely into the ground a minimum of 18" or 12" below the bottom of the trench.
6. Install erosion control blankets (or equivalent) on any disturbed site with 3:1 slopes or steeper, keyed into the ground at least 3".
7. Construct or use a commercially available concrete wash-out adjacent to a stabilized site entrance. Maintain as needed and remove at the end of the project.



8. Cover all stockpiles and landscape/construction materials, anchor the cover and berm properly with straw wattles or sand/gravel bags. Place stockpiles away from waterbodies. Hazardous materials and refuse must be kept in closed containers that are covered and utilize secondary containment, not stored directly on soil.
9. Use gravel bags filled with clean gravel (or similar product) around drain inlets, as check dams, or along asphalt project perimeters.
10. Place dumpster equipped with lid and port-a-potty with a secondary container near stabilized site entrance, behind the curb, and away from gutters, storm drain inlets and water bodies.
11. Cover all exposed soils with straw mulch and tackifier (or equivalent).
12. Existing vegetation should be preserved as much as possible and protected with fencing. Areas of disturbed soil/vegetation should be revegetated as soon as practical.
13. Prevent equipment fluid leaks onto the ground by placing drip pans or plastic tarps under equipment. Repair equipment as necessary at an appropriate facility. Cleanup spills immediately and dispose of waste at a proper disposal facility.