



Construction Erosion and Sediment Controls

Resources for Developers, Builders and Project Proponents

Urban stormwater runoff is a significant source of pollution to the nation's waters, including our creeks and the San Francisco Bay. In 1987, Congress began to address this problem by requiring municipalities with storm drain systems to obtain National Pollutant Discharge Elimination System (NPDES) permits. This, along with State requirements, has resulted in local requirements for the control of runoff from development projects.

The following is a list of resources available for developers, builders, and other project applicants with information on best practices for managing erosion and sediment at construction sites. Most of these items listed below are available through the Association of Bay Area Governments at <http://store.abag.ca.gov/construction.asp> or by contacting the San Francisco Estuary Project at (510) 622-2419.

Erosion and Sediment Control Field Manual—(Revised 2002) \$30

- ❖ This manual was developed by the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) and provides descriptions and schematic drawings of best management practices (BMPs) for construction site planning and management, erosion and sediment control, pollution prevention and sampling guidelines. The new General Construction Permit Phase II regulations, the State Board sampling and monitoring guidelines, and long-term BMP maintenance information are included.

Guidelines for Construction Projects—(Revised 2003) \$12

- ❖ This booklet, compiled by SFRWQCB, includes information pertaining to the statewide National Pollutant Discharge Elimination System (NPDES) General Permit for Construction Activities, a guide to the State Water Resources Control Board, detailed instructions on preparing a Storm Water Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) to comply with the SWPPP, 404 Permit and 401 Water Quality Certification requirements, and Waste Discharge Requirements.

Video: "Hold on to Your Dirt" (English or Spanish)—(Revised 2002) \$15

- ❖ This 20-minute video illustrates installation and maintenance of some of the most commonly used BMPs used for grading projects and for stabilizing disturbed land areas. Filmed locally, the video also includes footage of environmental impacts caused by uncontrolled erosion from construction projects.

Video: "Keep it Clean" (English or Spanish)—(Revised 2002) \$15

- ❖ This video shows the measures to use after mass grading and site stabilization. BMPs in the video are designed to prevent water pollution from construction-related activities (e.g.; painting, stucco, concrete washout facilities, saw-cutting). The video also discusses State sampling modifications. The English version is also available on CD.

CD Training Kit: Simple Tools - Construction Site Planning and Management for Water Quality Protection \$58

- ❖ This CD ROM is a complete training kit for Construction Site Planning and Management for Compliance with Phase I and II NPDES requirements. The CD also contains electronic versions of the 1999 editions of the *Erosion and Sediment Control Field Manual* and the *Guidelines for Construction Projects* listed above.

A Primer on Stream & River Protection for the Regulator and Program Manager Technical Reference Circular W.D. 02- #1 (May 2003)

- ❖ This technical reference document by Ann Riley provides technical assistance for the typical permit applicant to address property managers' concerns for stream channel stability while addressing the water quality concerns of the SFRWQCB. It is used to improve the quality and speed of permit applications for projects affecting streams and includes color photos, sketches, diagrams, and graphs. The primer describes the methods of effectively addressing stream bank stability and flooding issues. This document is available for download free of charge at the SFRWQCB website: <http://www.swrcb.ca.gov/rwqcb2/Agenda/04-16-03/Stream%20Protection%20Circular.pdf>

Stormwater Best Management Practices Handbook – Construction

- ❖ This is one of a series of handbooks developed by California Association of Stormwater Quality Agencies (CASQA) and provides guidance for selecting and implementing BMPs to reduce the discharge of pollutants from construction sites. This document is available for download free of charge at the following website: <http://www.cabmphandbooks.com/Construction.asp>.

State Water Resources Control Board Website

- ❖ This website contains several materials useful for preventing stormwater pollution from construction sites, including information on the General Construction Activity Permits. Information includes frequently asked questions, a checklist to assist with preparation of the storm water pollution prevention plan, and contact information for staff available to answer any additional questions. The website is located at: <http://www.swrcb.ca.gov/stormwtr/construction.html>.