

This brochure is one of a series of pamphlets describing storm drain protection measures for specific types of construction industry activities.

Other pamphlets include:

- General Construction and Site Supervision
- Landscaping, Gardening, and Pool Maintenance
- Painting and Application of Solvents and Adhesives
- Fresh Concrete and Mortar Application
- Roadwork and Paving
- Home Repair & Remodeling
- Heavy Equipment Operation

Spill Response Agencies

1. **Monterey County Hotline**
(831) 394-6811
2. **County of Monterey Department of Environmental Health** (831) 755-4511
3. **California State Department of Fish & Game**
1-888-DFG-CALTIP (334-2258)
4. **Public Works Departments:**
Carmel By-The-Sea (831) 620-2010
County of Monterey (831) 755-4800
Del Rey Oaks (831) 394-8511
Marina (831) 884-1212
Monterey (831) 646-3920
Pacific Grove (831) 648-5722
Pebble Beach:
Unincorporated County of Monterey (831) 755-4800
Pebble Beach Company (831) 625-8402
Sand City (831) 394-1386
Seaside (831) 899-6825
5. **Monterey Bay National Marine Sanctuary**
(831) 647-4201
6. **DIAL 911 (For Emergencies Only)**

Waste Disposal

**Monterey Peninsula Waste Management District
Recycling & Household Hazardous Waste Collection Program**
(831) 384-5313



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Earth-Moving Activities



Best Management Practices (BMPs) for the Construction Industry



Cities of Carmel-by-the-Sea
Del Rey Oaks
Marina
Monterey
Pacific Grove
Sand City
Seaside



County of Monterey
Pebble Beach Company
Unified School Districts of Carmel
Monterey
Pacific Grove

For more information about the stormwater pollution prevention program call:
831-645-4621

For stormwater educational materials, storm drain stenciling or school presentations call:
831-899-9957



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Funded by the Monterey Regional Storm Water Management Program

Who should use this brochure?

- Bulldozer, backhoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

Storm Drain Pollution Prevention: It's Up to Us

Around the Monterey Bay, most storm drains flow directly to local creeks, streams, and the ocean sanctuary without treatment. Storm water pollution is a serious problem for wildlife dependent on clean water and for people who depend on healthy waterways.

Some common sources of this pollution include fluids from vehicles, pesticides, carpet cleaning wastewater, or detergent from washing vehicles or restaurant mats outside and fluids from leaky dumpsters.

The *Stormwater & Education Alliance (SEA)* is involved in educating local residents and businesses to prevent storm water pollution. We hope you will join us, by using the practices described in this pamphlet.



What Can You Do?

Storm Drain Pollution from Earth-Moving Activities

Prior to construction, obtain a permit from the City. Determine if any underground hazards exists (utility lines, sewer lines, etc.).

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains if handled improperly. Soil erodes due to a combination of decreased soil stability, more and faster-moving water. Some of the most effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

During Construction

- Remove existing vegetation only when absolutely necessary.
- Consider planting temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- Protect downslope drainage courses, streams, and storm drains with hay bales, silt fences, or temporary drainage swales.
- Use check dams or ditches to divert runoff around excavations.
- Cover stockpiles and excavated soil with secured tarps or plastic sheeting.
- Use dry sweeping methods when possible when cleaning sediment from the site. If water must be used to flush pavement, make sure runoff is collected in temporary storage tanks to settle out sediments.

General Business Practices

- Have all subcontractors been made aware of locations of storm drains, drainage swales and creeks located near the construction site and directed to prevent pollutants from entering them?
- Schedule excavation and grading work for dry weather.
- Perform major equipment repairs away from the job site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- Do not use diesel oil to lubricate equipment or parts.
- Non-hazardous construction wastes can be disposed of in covered dumpsters or recycling receptacles.
- Cover open dumpsters with plastic sheeting or a tarp during rain.

Detecting Contaminated Soil

As you know, contaminated soil can be a problem. It is essential that all contractors and subcontractors involved in excavation and grading know what to look for in detecting contaminated soil.

Watch for any of these

- Unusual soil conditions, discoloration, or odor
- Abandoned underground tanks
- Abandoned wells
- Buried barrels, debris or trash