

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
- Earth-Moving Activities and Detection of Contaminated Soil and Groundwater
- Home Repair & Remodeling

## 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



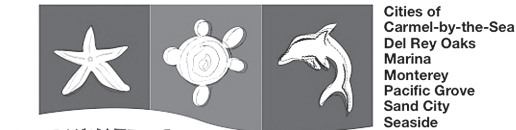
Printed on Recycled Paper. Hvyequip.pub, 6/09

Informational material adapted from the  
Santa Clara Valley Nonprint Source  
Pollution Control Program

# Heavy Equipment Operation



## Best Management Practices (BMPs) for the Construction Industry



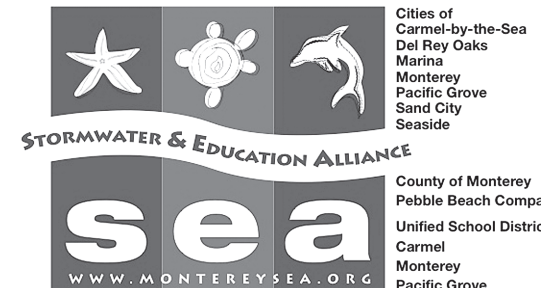
STORMWATER & EDUCATION ALLIANCE



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



STORMWATER & EDUCATION ALLIANCE



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

Funded by the Monterey Regional Storm Water  
Management Program

## Who should use this brochure?

- Vehicle and equipment operators
- 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 cement and concrete washout water that flows into the street, saw-cut slurry that is washed into storm drains, spilled oil and fluids from leaking vehicles and heavy equipment, construction debris, soil erosion, landscaping runoff containing pesticides or weed killers and paint products that flow down gutters into storm drains.

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?

### Site Planning and Preventative Vehicle Maintenance

- Train your employees and subcontractors. Inform subcontractors about storm water regulations and their responsibilities. Contact your city Public Works Department for construction BMPs. See City numbers on back of brochure.
- Show subcontractors the location of storm drains, drainage swales and creeks located near the construction site and direct them to prevent pollutants from entering them.
- Do not clean out concrete mixers on-site or let concrete washwater flow into streets and storm drains.
- Place trash cans around site to reduce litter.
- Recycle leftover materials when possible.
- Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance.
- Maintain all vehicles and heavy equipment. Frequently inspect for leaks.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and recycle whenever possible.
- Do not use diesel fuel to lubricate equipment or parts.

### Clean Up Spills Immediately when they happen.

- Never hose down “dirty” pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags), whenever possible. If you must use water, use just enough to keep the dust down.
- Sweep up spilled dry materials (e.g., cement mortar, or fertilizer) immediately. Never attempt to “wash them away” with water, or bury them. Use as little water as possible for dust control.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate spill response agencies immediately.

### Storm Drain Pollution from Heavy Equipment on the Construction Site

Poorly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze or other fluids on the construction site are common sources of storm water pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

