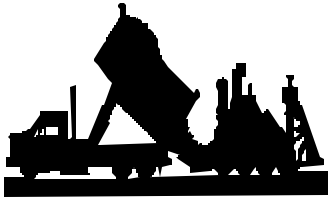


# Roadwork and Paving



## Best Management Practices for the Construction Industry

### Storm Drain Pollution Prevention: It's Up to Us

In San Mateo County, storm drains flow directly to local creeks, San Francisco Bay, and the Pacific Ocean with no treatment. Stormwater pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or wetlands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

All of the cities in San Mateo County have joined together with San Mateo County and the City/County Association of Governments (C/CAG) to educate local residents and businesses and fight storm drain pollution. We hope you will join us, by using the practices described in this pamphlet.

#### Who should use this brochure?

- ◆ Road crews
- ◆ Construction crews
- ◆ Seal coat contractors
- ◆ Home builders
  
- ◆ Operators of:
  - grading equipment and paving machines
  - dump trucks

#### Storm Drain Pollution from Roadwork

Road construction often involves extensive earthwork and grading, which loosens soils and creates opportunities for erosion and deposition of sediment in storm drains and creeks. Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for storm drain pollution by asphalt, saw-cut slurry, or excavated material. Efforts should be made to store and dispose of materials properly and guard against pollution of storm drains and creeks.

- concrete mixers
- ◆ Construction inspectors
- ◆ General contractors
- ◆ Developers

#### What Can You Do?

##### General Business Practices

- ◆ Develop and implement erosion/sediment control plans for roadway embankments.
- ◆ Schedule excavation and grading work for dry weather.
- ◆ Check all equipment for leaks and repair leaking equipment promptly.
- ◆ Perform major maintenance, repairs, and washing of equipment away from the construction site.
- ◆ When refueling or vehicle/equipment maintenance must be done on site, designate a completely contained area away from storm drains and creeks.
- ◆ Do not use diesel oil to lubricate or clean equipment or parts.
- ◆ Recycle used oil, batteries, concrete, broken asphalt, etc. whenever possible.
- ◆ Train employees in using these best management practices.

##### During Construction

- ◆ Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- ◆ Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, etc.
- ◆ Use check dams, ditches, or berms to divert runoff around excavations.
- ◆ Never wash excess material from exposed- aggregate concrete or similar treatments into a street or storm

- ◆ drain. Collect and recycle, or dispose to dirt area.
- ◆ Cover stockpiles and other construction materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- ◆ Catch drips from paver with drip pans or absorbent material (cloth, rags, etc.) placed under machine when not in use.
- ◆ Clean up all spills and leaks using "dry" methods (with absorbent materials/rags), or dig up and remove contaminated soil.
- ◆ Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- ◆ Avoid over-application by water trucks for dust control.

##### Asphalt/Concrete Removal

- ◆ Avoid creating excess dust when breaking asphalt or concrete.
- ◆ After breaking up old pavement, be sure to remove all chunks and pieces from the site.
- ◆ Make sure broken pavement does not come in contact with rainfall or runoff.
- ◆ Protect nearby storm drain inlets during saw-cutting. Shovel or vacuum saw-cut slurry deposits and remove from the site.
- ◆ Never hose down streets to clean up tracked dirt. Use dry sweep methods.



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