

July 2003



*In response to recent Federal and State water quality regulations and requirements, municipalities in Contra Costa County have joined to form the Contra Costa Clean Water Program (CCCWP).*

**The CCCWP** consists of the Cities of Antioch, Brentwood, Clayton, Concord, Danville, El Cerrito, Hercules, Lafayette, Martinez, Moraga, Oakley, Orinda, Pinole, Pittsburg, Pleasant Hill, Richmond, San Pablo, San Ramon, Walnut Creek, Contra Costa County and Contra Costa County Flood Control and Water Conservation District.

**The Goal of the CCCWP** is to control discharges of pollutants to municipal storm drain systems (and local creeks, the San Francisco Bay and Delta). The CCCWP encourages using Best Management Practices to effectively eliminate illegal discharges and connections.

**The Storm Drain System** was built to collect and transport rain to prevent flooding in urban areas. Anything that flows or is discharged into the storm drain system goes directly into local creeks, San Francisco Bay or Delta without any treatment.

**The Sanitary Sewer System** collects and transports sanitary wastes from interior building plumbing systems to the wastewater treatment plant where the wastewater is treated.

**Best Management Practices (BMPs)** are methods and practices such as good housekeeping, spill prevention, or treatment measures to prevent or minimize pollutant discharges to municipal storm drain systems.

**Illegal Discharges or Illicit Connections** discharge non-storm water to municipal storm drain systems and contribute to water pollution.

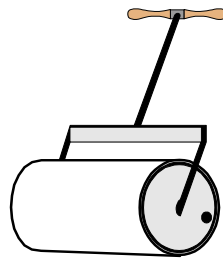
**Urban Runoff** is rain and any other water that passes through and out of developed areas (streets, parking lots, roof tops, etc.) into the storm drain system and eventually to creeks and other waters.



# Resurfacing and Paving Operations

**K**eeping pollutants out of our storm drain system protects our local creeks, reservoirs, the San Francisco Bay and Delta. Materials swept, blown, or washed into the storm drains end up in these open waters where they degrade water quality and harm aquatic life.

In addition to reviewing their own practices, municipalities participating in the Contra Costa Clean Water Program (CCCWP) have instituted a business education campaign and inspection program. Inspectors work with contractors and businesses to identify and control potential discharge of pollutants to the storm drain system. *Property and business owners are responsible for their contractors' practices.*



Materials from paving and resurfacing activities are potential sources of stormwater pollution. Products and practices used in seal coating, slurry sealing and other similar applications can result in non-stormwater discharges into the storm drains. As a result, these pollutants can cause local flooding by clogging drains and may reduce the visual and recreational values of nearby creeks and the San Francisco Bay. The cumulative effects of stormwater pollution can reduce the quality of the water and harm fish and other wildlife.

All contractors and individuals who perform paving and resurfacing operations can apply common sense practices to minimize or eliminate their contribution to stormwater pollution. Some such practices are identified on the reverse side of this page.

If you need additional information concerning stormwater pollution and its prevention, contact your local program representatives at **1-888-BAY-WISE**.

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# Best Management Practices for Resurfacing and Paving Operations

*The goal:* "Only rain in the storm drain."

*The strategy:* Keep pollutants from 1) contacting rain and; 2) being dumped, blown, swept, washed, or poured into storm drains.

## Paving Activities

## Practices to Protect Water Quality

### PROTECTING THE STORM DRAIN

- **Protect the storm drains from pollutant discharges.** For example, use filter fabrics, sand bags, or other type of storm drain protection.
- Keep the storm drain control in place until proper curing/setting is complete.

### SCHEDULING

- **Schedule work for dry weather.** Avoid activities in wet weather or when a forecast of rain will interfere with adequate curing/setting time for the product.
- Follow the product manufacturer's recommended temperature and climate requirements.

### TRAINING

- **Train employees in using these Best Management Practices (BMPs).**
- Assign a person to be responsible for the implementation of these BMPs.

### SURFACE PREPARATION\*

- Use dry sweep methods to clean area. Properly dispose of collected material.
- Eliminate or reduce the use of water to wash down area to be resurfaced.
- If chemicals are used to pre-treat site areas (oil and fuel spots), do not let the chemicals enter the storm drain. Use manufacturer's recommended disposal method

### PRODUCT MIXTURE & APPLICATION\*

- Select the appropriate product and product mixture for the site.
- Follow product manufacturer's recommendations for product preparation (dilution and ingredients) and application (climate, coating thickness, etc.)
- Do not apply or continue to apply product if you suspect runoff and/or lack of surface adherence are likely to occur.
- Avoid over-dilution of resurfacing product.
- Never dispose of any excess material into gutters or storm drains.
- Clean up all spills and leaks using dry methods such as absorbent rags.

### EQUIPMENT/VEHICLE CLEANING\*

- Use drip pans under paving and resurfacing equipment to collect leaks or spills.
- Do not allow cleaning agents such as diesel and other similar materials to enter the storm drain when cleaning vehicles and equipment.
- Clean all paving and resurfacing equipment in an appropriate designated area where wash water is collected to be recycled or discharged to the sanitary sewer system. Contact your local wastewater treatment agency before discharging to the sanitary sewer.

\* Hazardous materials must be stored and disposed of in accordance with federal, state, and local requirements.

REFERENCES: San Mateo Countywide Stormwater Pollution Prevention Program, "Roadwork and Paving" BMP, (no date)  
 City of Palo Alto. Pollution Prevention Specifications for City Construction Contractors and Maintenance Crew Supervisors.  
 ACCWP "Good Housekeeping Practices" flyer, February 1996  
 Caltrans Storm Water Quality Handbooks. Construction Contractor's Guide and Specifications (April 1997)