



# Preventing Storm Drain Pollution Best Management Practices (BMPs) for Machine Shops

## Storm Drains and the San Francisco Bay

When wash waters, metal shavings, and metalworking fluids are dumped into the street and storm drain inlets, they flow through the storm drain system to our local waterways, the San Francisco Bay (Bay), and eventually the ocean, without any cleaning or filtering. These pollutants can be toxic to fish, wildlife, and people. Federal, State, and local regulations prohibit discharge of anything but rain water in the storm drain system.

Help protect the Bay and local creeks by following the guidelines below.

### Good Housekeeping

- **NEVER** dump oils, coolants, solvents, tumbling water, mop water, cleanup water, or other metalworking fluids into a storm drain inlet, street, gutter or landscaping (see *Materials Management on reverse side*).
- Regularly inspect containers and equipment for leaks.
- Use secondary containment (e.g., berms, spill containment pallets, double walled containers, etc.) around machines and barrels that may leak, especially if stored outside. Keep container lids, caps, and openings closed when not in use.
- Place drip pans under equipment to catch leaks.
- Eliminate or seal floor drains connected to the storm drain system in production areas, especially where metal work is conducted. Use berms to isolate metalworking areas from storm drain inlets.
- Regularly inspect outdoor areas for chemical/oil spills, metal shavings, and loose litter, particularly around back doors and roll-up doors. Sweep areas frequently to prevent metal shavings from entering a storm drain inlet.
- Train employees annually on BMPs, including spill prevention and response.

### Spill Cleanup

- Avoid using chemicals/cleaners outside that could leave behind residues that wash into a storm drain inlet during rain events.
- Use “dry” cleaning methods to clean and confine spills including a shop-vac or absorbent materials, such as rags, sock-type absorbents, pads, or granular absorbents (e.g., kitty litter).
- Dispose of used absorbent properly (see *Hazardous Waste Disposal*).
- Keep your facility’s Spill Response Plan updated and available to employees at all times.



For more information about Stormwater Pollution Prevention

# Best Management Practices (BMPs) for Machine Shops

## Hazardous Waste Disposal

- Metalworking fluids that can't be recycled, cleaning solutions, and absorbent materials used to clean up those fluids may need to be disposed of as hazardous waste.
- Small businesses should contact the **Conditionally Exempt Small Quantity Generator (CESQG)** Program at **(800) 207-8222** or **www.hhw.org** to find out if they can dispose of hazardous waste for a small fee.

## Materials Management

- Metalworking fluids (i.e., coolants, solvents, and lubricants) should be recycled and reused as much as possible. Used fluids should be picked up by a licensed hauler.
- Obtain Safety Data Sheets (SDS) for all chemicals and metals stored in your facility and keep them accessible at all times.
- Standardize the types of metalworking fluids, solvents, and cleaning solutions used in the shop. Using the same fluids for as many applications as possible facilitates reuse, recycling, treatment, storage, and disposal.
- Order minimum amounts of materials and chemicals. This practice saves money and reduces waste and leftover materials when procedures change and expiration dates pass. In addition, it minimizes problems when spills or emergencies occur such as fire, earthquake, etc.
- Store all materials inside, if possible. If materials must be stored outdoors, store them in a fully enclosed container under a cover to prevent contact with rainfall and runoff.

## Stormwater Pollution Control Agencies

For more information on stormwater pollution control contact your local agency.

Campbell, Los Gatos, Monte Sereno, Saratoga .....	(408) 354-4734
Cupertino .....	(408) 777-3354
Los Altos .....	(650) 947-2770
Los Altos Hills .....	(650) 941-7222
Milpitas .....	(408) 586-3365
Mountain View .....	(650) 903-6378
Palo Alto .....	(650) 329-2122
San José .....	(408) 945-3000
Santa Clara .....	(408) 615-3080
Sunnyvale .....	(408) 730-7260
Santa Clara Unincorporated County .....	(408) 918-4609

## Wastewater Agencies

All discharges to the sanitary sewer must meet local discharge limits. Contact your local wastewater agency to find out if pretreatment requirements apply to your facility.

San José-Santa Clara Regional Wastewater Facility .....	(408) 945-3000
<i>Serving Campbell, Cupertino, Los Gatos, Milpitas, Monte Sereno, San Jose, Santa Clara, Saratoga</i>	
Sunnyvale Water Pollution Control Plant .....	(408) 730-7270
<i>Serving Sunnyvale</i>	
Regional Water Quality Control Plant .....	(650) 329-2598
<i>Serving East Palo Alto Sanitary District, Los Altos, Los Altos Hills, Mountain View, Palo Alto, Stanford</i>	