



Department of Toxic
Substances Control



Stormwater and Wastewater Management

In most areas of California, untreated storm drain water flows directly to streams, lakes, bays, and the ocean.

MVSR facilities can make a difference in protecting the environment and preventing stormwater and wastewater violations. Implement the recommended practices (RPs) at your facility. These RPs are designed to protect receiving waters from contaminated runoff that result from common marina and boatyard activities.



Environmental Concerns:

Stormwater runoff and wastewater from MVSR facilities release pollutants to surface waters. They impact aquatic life and adversely affect sensitive ecosystems.

Targeted Pollutants:

- Batteries
- Coolants
- Engine repair wastes
- Fuel and waste oils
- Oily water (bilge water)
- Paints solvents (cleaning products)
- Sewage
- Trash and debris
- Zinc anodes

Regulatory Requirements

1. Contact the **Department of Toxic Substances Control** ⁱ([DTSC](#)) at (800) 728--6942
 - Hazardous Waste Management ⁱⁱ([Definitions](#))
 - Hazardous Waste Management Generator Requirements ⁱⁱⁱ([Generator](#))
 - Contact your local Certified Unified Program Agency ^{iv}([CUPA](#)) online
 - Please contact your local Fire Department ^v([Fire Department](#))

2. **State Water Quality Control Board** ^{vi}(www.swrcb.ca.gov):
 - National Pollutant Discharge Elimination System ^{vii}([NPDES Permit](#))
 - Publicly Owned Treatment Works ^{viii}([POTW](#))

3. **California Division of Occupational Safety and Health** ^{ix}([CAL/OSHA](#))
 - Personal Protective Equipment ^x([PPE](#))



Recommended Practices for Stormwater and Wastewater Management:

A. Recommended Practices for Stormwater Management:

1. Develop a storm water pollution prevention plan for your facility
2. Divert stormwater away from a sanitary sewer to storm drain or local water bodies, if these discharges comply with stormwater permit issued by federal, state, and local regulatory agencies³. If necessary to comply with stormwater permits, and with prior approval from local wastewater authorities, only discharge stormwater to a sanitary sewer
3. Only discharge stormwater to a sanitary sewer, if necessary, to comply with stormwater permits with prior approval from local wastewater authority
4. Properly store hazardous materials separate from sanitary sewer and storm drains
5. Use secondary containment for hazardous materials storage
Periodically inspect for leaks
6. Prevent spills and discharges from both inside and outside the shop
7. Implement the ^{xi} ([4-Step Floor Cleanup Method](#)) for spills and leaks
8. Report any spills that entered, or potentially might enter storm drains
9. Seal the shop floor with epoxy or other sealant This lasts for years and does not absorb spills, makes cleanup easier, and saves cleaning time
10. Maintain clean floors to prevent tracking pollutants outside or to other shop areas--this prevents entry of pollutants into storm drains
11. Plug indoor drains in service areas
12. Install oil/grit separators in areas where there is a potential for mud or sand runoff to reach storm drains or surface water
13. For optimum results, clean storm drain filters, and replace them regularly
14. Provide employee training on good housekeeping, materials management, safe hazardous materials handling, wastewater management, spill prevention and response, and emergency procedures



15. Other recommendations:

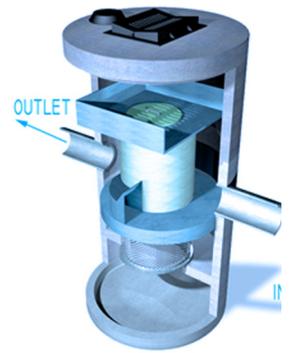
- a) Ensure adequate signage that identifies designated areas for washing and maintenance activities
- b) Stencil "No Dumping" near storm drains
- c) Eliminate landscape irrigation runoff into storm drains or surface waters

B. Recommended Practices for Wastewater Management:

1. Obtain local wastewater authority approval to discharge pretreated wastewater to a sanitary sewer
2. All discharges of wastewater to a sanitary sewer must be pretreated and meet local wastewater authority requirements
3. Use oil/water separator or skimmer prior to sewer discharges



4. Ensure that the collection and treatment system's flow capacity is adequate for handling wastewater flows
5. Install a closed-loop water recycling system to reduce water use and trap contaminants
6. Whenever possible, reduce use of toxic cleaning products and use less toxic alternatives by choosing "green products" ^{xiii}([Eco-friendly Purchasing Guide](#))
7. Provide employee training on good housekeeping, materials management, safe hazardous materials handling, waste water management, spill prevention and response, and emergency procedures
8. Also refer to RPs for each of the following MVSR facility activities:



1. **Boat lifts**
2. **Pressure Washing**
3. **Sanding**
4. **Blasting**
5. **Stripping**
6. **Painting**
7. **Engine Repairs**
8. **Hazardous Waste Management**
9. **Good Housekeeping**



C. Other Recommendations:

1. Maintain a regular cleaning schedule for the facility
2. Provide adequate trash cans and maintain a trash collection schedule
3. Educate patrons to discourage illegal dumping and littering, and encourage pet waste cleanup
4. Provide plastic bags dispensers for collecting pet waste



5. Provide pump out facility onsite with easy and clear access, and adequate signage
6. Educate patrons to discourage illegal dumping and littering, and encourage pet waste cleanup
7. Provide functional and clean restrooms- encourage patrons' use of onshore restrooms



References and Other Resources:

- i. <http://www.dtsc.ca.gov>
- ii. http://www.dtsc.ca.gov/HazardousWaste/upload/HWMP_DefiningHW11.pdf
- iii. http://www.dtsc.ca.gov/HazardousWaste/upload/HWM_FS_Generator_Requirements.pdf
- iv. http://www.dtsc.ca.gov/InformationResources/local_contacts.cfm
- v. <http://www.swrcb.ca.gov/>
- vi. http://www.swrcb.ca.gov/water_issues/programs/npdes/
- vii. http://www.swrcb.ca.gov/water_issues/programs/npdes/pretreat.shtml
- viii. <http://www.dir.ca.gov/dosh/puborder.asp>
- ix. http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9777
- x. <http://www.dtsc.ca.gov/HazardousWaste/Transporters/upload/Hazardous-Waste-Transporter-Requirements.pdf>
- xi. [4 Step Floor Cleanup Method](#)
- xii. [Eco-friendly Purchasing Guide](#)
- xiii. [MVSР Project](#)

For additional information on auto body and paint shop pollution prevention practices and a list of available publications contact:

Department of Toxic Substances Control (DTSC)
Office of Pollution Prevention and Green Technology
P.O. Box 806
Sacramento, CA 95812-0806
<http://www.dtsc.ca.gov/PollutionPrevention/index.cfm>
(916) 322-3670
(800) 700-5854

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