BEST MANAGEMENT PRACTICES

AUTOMOTIVE INDUSTRY

Activities by the automotive industry, such as vehicle maintenance, repair, and parts cleaning, have the potential to pollute storm water runoff with heavy metals, oil, grease, automotive fluids, nutrients, and sediment. Storm water runoff can pick up and wash these pollutants into the City's storm drainage system, which flows directly into our streams and coastal waters. Fish, plants, and other aquatic life that live in the water can become poisoned by these pollutants and even die. People can also get sick from eating poisoned fish or drinking polluted water.

Best Management Practices or BMPs are simple yet effective methods to prevent the pollution of storm water and should be implemented by the automotive industry to prevent pollutants from being picked up by storm water. Used oil from a single oil change can contaminate up to one million gallons of fresh water; therefore, implementing storm water BMPs is a vital part of protecting Hawaii's waters for life.

VISIT THE WEBSITE

www.CLEANWATERHONOLULU.com

OR

CALL THE

ENVIRONMENTAL CONCERN LINE

768-3300

The Law: The Federal Clean Water Act gave the Environmental Protection Agency (EPA) the authority to implement water pollution control programs. Local statutes and ordinances address compliance and enforcement of the EPA's mandates.

The Ordinance: The Revised Ordinances of Honolulu, Section 14-12.23(a) Environmental Quality Control-Violation states, "It shall be unlawful for any person to discharge or cause to be discharged any pollutant into any drainage facility which causes a pollution problem in state waters, or causes a violation of any provision of the City NPDES [National Pollutant Discharge Elimination System] permit or the water quality standards of the State of Hawaii."

Discharging pollutants to the storm drain system is against the law. Violations can result in fines of up to $25,000 per violation, per day.

REFERENCES:

California Stormwater Quality Association. 2003. Stormwater Best Management Practice Handbook, Industrial and Commercial. http://www.cabmphandbooks.com

California Stormwater Quality Association. 2003. Stormwater Best Management Practice Handbook, New Development and Redevelopment. http://www.cabmphandbooks.com

City and County of Honolulu. 2012. Storm Water BMP Guide. http://www.honoluludpp.org/ReportsNotices/StormWaterQualityPage.aspx

City and County of Honolulu. 2012. Storm Water Quality Checklist Preparation Manual, Priority B, Auto Repair Shop with 10,000 sq-ft of impervious area. http://www.honoluludpp.org/ReportsNotices/StormWaterQualityPage.aspx

United States Environmental Protection Agency. 2003. After the Storm. http://water.epa.gov/action/weatherchannel/stormwater.cfm

STORM WATER BEST MANAGEMENT PRACTICES

AUTOMOTIVE INDUSTRY

AUTO REPAIR SHOPS • AUTO DEALERSHIPS • CAR RENTAL AGENCIES
AUTOMOTIVE SPECIALTY SHOPS AND SERVICES

City and County of Honolulu
Department of Facility Maintenance

11/2015

E Mālama I Ka Wai Ola
Protect our waters...
FOR LIFE

STORM WATER MANAGEMENT

PROTECTING OUR WATERS

Rain falling in urban areas flows along streets and gutters, and collects in drain inlets and catch basins. Storm water is then carried by drain pipes and channels into streams and the ocean. Dirt, debris, grime, automotive fluids, and other such loose materials on the ground can be picked up by storm water and end up polluting our island waters.

Streams and oceans are homes to fish, plants, and other aquatic life, and serve as major recreational areas for the Oahu community. They offer opportunities for activities such as fishing, swimming, surfing, diving, and paddling. Keeping storm water as clean as possible is in everyone's interest. The information in this brochure provides guidance on how to protect our streams and the ocean by reducing storm water pollution.

PROPER STORAGE AND DISPOSAL OF WASTES

- Cover the storage area to limit exposure to rain.
- Use secondary containment when storing batteries and hazardous liquids; keep liquid wastes segregated.
- Contact a licensed hazardous waste hauler to dispose of saturated absorbents and hazardous chemicals.
- Recycle used oil and solvents. For a listing of recycling companies, see *www.opala.org/solid.waste/archive/recycling_companies.html#oil*.
- Provide employee training to reinforce proper storage and disposal practices.

MAINTENANCE AND REPAIR ACTIVITIES

- Designate an area to drain and replace motor oil, coolant, and other fluids that is indoors, on an impervious surface such as concrete, and where there are no connections to a storm drain.
- Prevent spills from entering the storm drain system by providing berms around the work area or by protecting storm drains.
- Place drip pans or containers under vehicles or equipment that may drip during repairs.
- Do not dispose of automotive fluids or waste materials into floor or storm drains, sinks, or sanitary sewer connections. Waste materials should be stored properly until recycled or disposed.

CLEANING AUTO PARTS

- Minimize use of solvents. Whenever possible, clean without using solvents.
- Use water-based cleaners, steam cleaning, or pressure washing to clean parts instead of using solvents.
- Wash water generated from steam cleaning or pressure washing must be discharged to the on-site oil/water separator.
- Contain solvents properly to avoid spills. Use self-contained sinks and tanks while using solvents.

GOOD HOUSEKEEPING / SPILL RESPONSE

- Routinely sweep or vacuum maintenance areas to collect loose debris.
- Use dry methods (sweeping, using rags or absorbent materials) for cleaning, and wipe up spills immediately. Dispose of contaminated rags and absorbents properly.
- Never hose down maintenance area debris or waste into a storm drain. If a work area must be washed, contain wash water for treatment and disposal.
- Monitor parked vehicles for leaks and place pans under leaks to collect the fluids for proper disposal or recycling.
- Keep dumpster lids closed and promptly clean up any leaks or spills around dumpsters.
- Be sure that all employees are aware of your hazardous materials response plan and are capable of implementing each phase of the plan.

STORM WATER FLOW PATTERNS

- Observe storm water flow patterns to determine where water flows onto the site and where it leaves the site.
- Do not store materials, equipment, or refuse in locations where storm water runs off or passes through the site.

WASHING VEHICLES

- Vehicle wash water from businesses is not allowed in the storm drain system. Pre-treatment may be required for discharge to the sanitary sewer. Call 768-3300 or 768-3271 for more information.
- Do not conduct maintenance, repairs, or refueling activities in the same place where vehicles are washed.
- Avoid on-site washing by using off-site facilities designated for washing vehicles.

For More Information

Environmental Concern Line 768.3300
or www.cleanwaterhonolulu.com

REPORT UNCONTROLLABLE OR UNCONTAINABLE SPILLS IMMEDIATELY TO THE HAWAII DEPARTMENT OF HEALTH, HAZARD EVALUATION AND EMERGENCY RESPONSE AT (808) 586-4249, (808) 247-2191 (AFTER HOURS) OR CALL 911.