

INDUSTRIAL FACILITIES RUNOFF POLLUTION PREVENTION BEST MANAGEMENT PRACTICES

■ A Source of Runoff Pollution

Your industrial facility is a **potential source of runoff pollution** to our rivers and oceans. This is because the materials associated with it contain chemicals and/or particulates (e.g. fines and sediment), which can be transported by runoff to water bodies. When pollutant materials stored outdoors or lying on the surface make contact with runoff, they are carried into a component of the storm drain system (this includes streets, alleys, catch basins). In the case of Hawaiian Gardens, stormwater that enters the storm drain system flows into the **San Gabriel River**, just above the groundwater recharge basin – a source of drinking water for millions of Los Angeles County residents. Runoff also makes its way to the ocean (Seal Beach, in this case), where pollutants can threaten aquatic marine life and spoil recreational uses, including fishing, boating, swimming, and surfing.

best management practices (BMPs) to mitigate or eliminate such problems. A **Monitoring Program Plan (MPP)** proposes to conduct (1) visual observations for pollutant discharges and (2) sampling and analysis of storm water runoff. In some cases, this requirement can be waived. The following is a partial listing of industrial facilities typed by Standard Industrial Classification (SIC) code that are subject to this regulation:

Manufacturing Facilities: 2400 - 2499 (except 2434); **2600** (except 2650-2659 and 2670-2679); **2800** (except 2830-2839 and 2850-2859); **2900-2999; 3110 - 3119; 3200-3299** (except 3230-3239); **3300-3399; 3441; and 3730-3739** **Other Manufacturing Facilities** (where industrial materials, equipment or activities are exposed to storm water): **2000 - 2099; 2100 - 2199, 2200 - 2299; 2300 - 2399; 2434; 2500-2599; 2650- 2659; 2670-2679; 2700-2799; 2830- 2839; 2850-2859; 3000-3099; 3100-3199** (except 3110 - 3119); **3230-3239; 3400-3499** (except 3441); **3500-3599; 3600 - 3699; 3700 - 3799** (except 3730 - 3739); **3800-3899; 3900 - 3999; and 4221-4225. Recycling Facilities: 5015 and 5093 Transportation Facilities: 4000 - 4099; 4100 - 4199; 4200 - 4299; 4300 - 4399, 4400 - 4499; 4500 - 4599; and 5171.**

Note: If your facility falls under the aforesaid "other manufacturing facilities," it can be exempted from GIASWP requirements, by either performing pollutant-generating activities indoors and/or by implementing BMPs that prevent storm water contact with exposed pollutants.



City Ordinance

Your facility must also comply with the City's Runoff Pollution Control Ordinance. The ordinance requires industrial facilities to do **three** things essentially. **First**, eliminate *illicit discharges*. **Second**, eliminate *illicit connections*. **Third**, implement *best management practices* to reduce or eliminate pollutant discharges. **Fourth**, parking lots with 25-plus spaces must be free of debris. Failure to comply with these requirements, upon conviction, can result in fines and even imprisonment. .

■ BEST MANAGEMENT PRACTICES

BMPs are activities or devices that reduce pollutants in runoff associated with your facility's operation. BMPs prevent storm water and non-storm water runoff contact with pollutants. BMPs also reduce or eliminate pollutants in runoff by either (1) treating them before they enter storm drain system; or (2) diverting them away the storm drain system.

Illicit /Discharges/Connections

Your facility may be a source of **illicit discharges** -- non-storm water discharges to the storm drain system that are not exempted under federal or state law (we'll talk about this in a moment). This includes dumping fluids -- wholly or partially containing pollutants -- to the municipal storm drain system. Even wash water resulting from outdoor cleaning or maintenance activities is an illicit discharge if it enters any component of the storm drain system. There are, however, a few exceptions, such as runoff from irrigation and landscaping activities. The general rule, however, is to avoid discharging any fluid or material to the storm drain.

Illicit discharges can also enter the storm drain system through **illicit connections**. These are devices such as floor drains connected to curb outlets, or directly to a catch basin or storm drain that discharge industrial waste or hazardous materials. Illicit connections must be eliminated.

■ Regulated By Law

General Industrial Activity Storm Water Permit

Federal and state law require your facility to be covered under a *General Industrial Activity Storm Water permit (GIASWP)*. The GIASWP permit requires the preparation of a *Storm Water Pollution Prevention Plan (SWPPP)*. A SWPPP is a document that identifies actual and potential pollution problems on a site-specific basis. It also identifies appropriate



Material Storage. Store materials containing pollutants (chemicals or particulates, including sediment) in a manner that prevents contact with runoff. The easiest way to do this is to store materials indoors. If only outdoor storage is possible, materials should be placed under a roof, tarp, or plastic sheeting), and off-the ground, using a pallet or a secondary containment device, as approved by the Community Development Department regulations.

Perform Periodic Inspections. Inspect areas promptly. Also look for illicit discharges any non-storm water discharges to the season, observe storm water runoff for the source of the material causing these



and equipment for leaks and corrosion -- repair through illicit connections and remove. Check for municipal storm drain system. During the wet discoloration, odor, or turbidity (cloudiness). Find indicators of pollutant contact and fix problem.

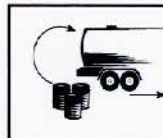
Prevent Container Leaks. Drums and other containers that dispense pollutant materials (lubricants, solvents, etc.) should be placed on containment pallets or equipped with a pan or other device that captures leakage.



Maintain Proper Inventory. Excess ordering of materials containing pollutants could pose a problem if they are stored outdoors without proper coverage or containment. To avoid this problem, only order what is actually needed as opposed to "stocking-up."



Properly Dispose Hazardous Waste Materials. Excess space, usually results in outdoor storage. These materials runoff contact and accidental spillage. They should also be licensed hazardous waste hauler, to prevent improper



waste, coupled with insufficient indoor should be stored properly to prevent disposed as often as necessary by a outdoor storage.

Set Aside Area for Washing/Cleaning Activities. Runoff from washing parts, equipment, or other items outdoors can enter the storm drain system, resulting in an "illicit discharge." Designate an area of the facility for this purpose, preferably indoors. Wash water from an industrial facility is usually considered industrial waste, which requires special treatment and discharge to the sewer system. Contact local industrial waste permitting agency for more information.



Use Alternatives to Water. To save water and prevent illicit discharges, rely on cleaning methods that do not produce runoff. These include sweeping, bucket and mop, wet/dry vacuuming, and the use of absorbent materials.



Train/Enforce Implementation of BMPs.

Facility personnel should be properly trained in the through periodic staff meetings or new employee be managed to assure that BMPs are properly



implementation of BMPs. This can be done orientation. Once trained, employees should implemented.

Trash Management. Facility should be kept litter-free. Trash cans should be deployed in areas where litter is generated. They should also be equipped with lids and emptied-out as often as necessary to prevent overflow. Trash bins should be closed to prevent refuse migration.



WHO TO CALL FOR MORE INFORMATION

General Industrial Storm Water Activity Permit

- Los Angeles Regional Water Quality Control Board: (213) 576-6600

Industrial Waste Discharge Permits

- Los Angeles County Department of Public Works Environmental Programs: (626) 458-3517

Hawaiian Gardens Runoff Control Ordinance Requirements

- City of Hawaiian Gardens/Community Development Dept. (562) 420-2641 x231 or 216