



PREVENT STORM WATER CONTAMINATION

Best Management Practices for

Section A - Timber Products Facilities



SIC Codes: 2411 – 2499 (except 2434)

General Information:

1) Federal and State Storm Water regulations require the City to reduce the quantity of pollutants that enter our storm drains, rivers, and washes from rain water and other sources. 2) Water from any source that contains contaminants is prohibited from entering the storm drain system which includes streets, pipes, catch basins (street grates), ditches, washes, parks, and rivers. 3) Commercial and industrial wash or wastewater is prohibited from entering the storm drain system, street or any other outside area. 4) All activities that use soap, solvents, degreasers or any other chemical must be hauled to a landfill or discharged into the sanitary sewer through a sand/oil interceptor or approved pretreatment device. 5) City Code 32C requires any person or business that has a "potential" to pollute storm water, to develop and implement a Storm Water Management Plan (SWMP). 6) The BMPs listed here are not inclusive and must be tailored for your facility. See 40CFR122, 1995 or later for further BMPs and details.

Log, lumber and other wood product storage areas

- ◆ Divert storm water around storage areas with ditches, swales and/or berms.
- ◆ Locate storage areas on stable, well-drained soils with slopes of 2-5%.
- ◆ Line storage areas with crushed rock or gravel or porous pavement to promote infiltration, minimize discharge and provide sediment and erosion control.
- ◆ Stack materials to minimize surface areas of materials exposed to precipitation.
- ◆ Practice good housekeeping measures, such as frequent removal of debris.
- ◆ Provide collection and treatment of runoff with containment basins, sedimentation ponds and infiltration basins.
- ◆ Use ponds to collect, contain and recycle water for log spraying operations.

Residue Storage Areas

- ◆ Locate stored residues away from drainage pathways and surface waters.
- ◆ Avoid contamination of residues with oil, solvents, chemically treated wood, trash, etc.
- ◆ Limit storage time of residues to prevent degradation and generation of leachates.
- ◆ Divert storm water around residue storage areas with ditches, swales, and/or berms.
- ◆ Assemble piles to minimize surface areas exposed to precipitation.
- ◆ Spray surfaces to reduce windblown dust and residue particulates.

- ◆ Place materials on raised pads of compacted earth, clay, shale, or stone to collect and drain runoff.
- ◆ Cover and/or enclose stored residues to prevent contact with precipitation using silos, van trailers, sheds, roofs, buildings, or tarps.
- ◆ Limit slopes of storage areas to minimize velocities of runoff which may transport residues.
- ◆ Provide collection and treatment of runoff with containment basins, sedimentation ponds and infiltration basins.

Loading/unloading and material handling areas

- ◆ Provide diversion berms and dikes to limit run-on.
- ◆ Cover loading and unloading areas.
- ◆ Enclose material handling systems for wood wastes.
- ◆ Cover materials entering and leaving the areas.
- ◆ Provide good housekeeping measures to limit debris and to provide dust control.
- ◆ Provide paved areas to enable easy collection of spilled materials.

Chemical storage areas

- ◆ Provide secondary containment around chemical storage areas.
- ◆ Provide fluid level indicators.
- ◆ Inventory fluids to identify potential leakage.
- ◆ Locate storage areas away from heavy traffic areas and surface waters.

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Continued

Chemical storage (continued)

- ◆ Develop and implement spill prevention, contamination and countermeasure plans (SPCC).
- ◆ Cover and/or enclose chemical storage areas.
- ◆ Provide drip pans to allow for recycling of spills and leaks.

Inspections

- ◆ Conduct routine quarterly storm water inspections and within 24 hours after a rain event.
- ◆ Inspect the following areas:
 - ◆ Transfer and transmission lines.
 - ◆ Spill prevention.
 - ◆ Good housekeeping practices.
 - ◆ Management of process waste products.
 - ◆ All areas exposed to precipitation will be visually inspected for evidence of or the potential for pollutants entering the storm drain system.
 - ◆ All structural (berms and dikes) and non-structural BMPs will be inspected to ensure they are operating correctly.
- ◆ Complete the BMP checklist during each inspection and maintain the record for at least 3 years.

Training

- ◆ All employees shall be trained in the following areas and in the BMPs listed in the SWMP at least once per year.
 - ◆ Spill response.
 - ◆ Good housekeeping.
 - ◆ Material management practices.
 - ◆ Procedures for equipment and container

washing.

Storm Water Management Plan (SWMP) or Storm Water Pollution Prevention Plan (SWPPP)

- ◆ Develop and implement a SWMP or SWPPP.
- ◆ All Storm Water Plans (SWMP or SWPPP) must be submitted to the City for approval.
- ◆ All regulated facilities (SIC codes) must submit an Industrial Notice of Intent (NOI) to the Arizona Department of Environmental Quality.

If spills occur:

- ◆ **Stop the source of the spill immediately.**
- ◆ **Contain the liquid until cleanup is complete.**
- ◆ **Deploy oil containment booms if the spill may reach water or a storm drain.**
- ◆ **Cover the spill with absorbent material.**
- ◆ **Keep the area well ventilated.**
- ◆ **Dispose of clean-up materials properly.**
- ◆ **Do not use an emulsifier or dispersant.**

The BMPs found on this page are paraphrased from Federal Storm Water documents 40CFR122, 1995 or later.

Storm Water



Management
A member of **STORM**
STormwater Outreach for
Regional Municipalities

Only Rain in the Storm Drain!

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City of Phoenix

STREET TRANSPORTATION DEPARTMENT
STORM WATER MANAGEMENT SECTION

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