



Do you maintain a storm water pollution prevention plan?

Would you like to improve this process in the following areas?

- **Meet environmental compliance regulations.** Eliminate or reduce the generation, release, or potential release of pollutants to waters of the United States. Media areas include water and storm water.
- **Improve workers' safety and health.** Provide clean, orderly, and safe workplaces.
- **Increase productivity.** Reduce the possibility of accidental spills.
- **Save money.** Prevent or eliminate fines of up to \$25,000 per day for violating pollutant discharge limits.



Detention Pond for Storm Water Runoff

A Storm Water Pollution Prevention Plan (SWPPP) is a self-implementing plan for compliance with an installation storm water permit. The EPA general permit requires dischargers to develop and implement Best Management Practices (BMPs). Additionally, it requires development of pollution prevention measures to reduce and to control pollutants in storm water discharge. This applies even in cases where the discharge does not contain hazardous substances or contains hazardous substances at levels significantly lower than reportable quantities. BMPs may be structural or non-structural and involve planning, reporting, training, preventive maintenance, good housekeeping and engineering controls. BMPs are generally aimed at preventing spills and similar environmental incidents that may result in storm water runoff exposure to pollutants. Improper procedures, lack of training, and poor engineering are among the major causes of accidents involving spilled or dropped hazardous and non-hazardous materials. Identification and implementation of BMPs can prevent these occurrences at Navy installations.

How can you achieve these improvements?

Establish and practice Storm Water Best Management Practices at your facility.

How do Storm Water Best Management Practices (BMPs) work?

BMPs are schedules of activities, prohibition of practices, maintenance procedures, management practices, or engineering controls that are intended to prevent or reduce pollution into US waters.

How will Storm Water BMPs save you money?

Use of BMPs can prevent fines of up to \$25,000 per day per violation of NPDES pollutant discharge limits.



Typical Process Flow Diagram



How can BMPs eliminate or reduce pollution?

Properly managed BMPs prevent or reduce the release of pollutants to water sources. Use will result in the following pollution reductions:

- Prevent chemicals and petroleum liquid spills from entering into storm water drains.
- Prevent dirt, debris, and other materials from entering storm water drains.

Which processes can benefit most from BMPs?

BMPs can be practiced in processes that use solvents, chemicals, petroleum products, paints, blasting grits, and other industrial materials for various processes. Shops that could benefit include:

- Aircraft Maintenance
- Vehicle and Equipment Maintenance
- Cleaning and Degreasing Facilities
- Vehicle/Equipment Cleaning
- Painting and Abrasive Blasting Facilities
- HVAC/R Support Shops

How can BMPs reduce regulatory compliance concerns?

Properly managed BMPs provide a clean, orderly, and safe place to work. A clean and orderly environment reduces the possibility of accidental spills caused by materials and equipment mishandling. Use will result in the following regulatory compliance benefits:

- Reduce or eliminate accidental liquid and material spills from contaminating the storm water system.
- Help facilities comply with EPA, state and local storm water discharge requirements. Regulatory areas include Section 301 of CWA, SARA Title III Section 313, and state storm water discharge regulations.



Achieving Environmental Compliance Through Pollution Prevention

Every day the Navy faces the challenge of operating and maintaining the fleet while complying with environmental regulations. This burden can be reduced by using pollution prevention technologies and methods to reduce compliance requirements. This fact sheet is one in a series designed to encourage activities to use pollution prevention technologies and methods. The overall goal of this series is to promote sustained environmental compliance at the lowest life-cycle cost.

For additional information, contact:

Joint Service P2 Opportunity Handbook Section 10 (http://p2library.nfesc.navy.mil/P2_Opportunity_Handbook/section10.html) and the EPA Website (<http://www.epa.gov/OST/stormwater/>).

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