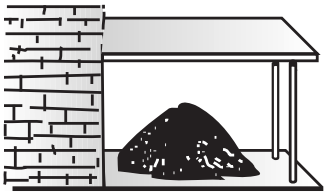
Environmentally Responsible Best Management Practices

1 Outside Storage of Raw Materials and Intermediate Products, By-Products or Finished Products

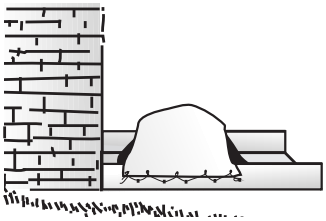
This BMP applies to existing* facilities that store or stockpile raw or finished materials or products used in manufacturing or processing on their site.

Select from the following practices those which would be appropriate for the type of material stored outdoors and exposed to stormwater runoff.

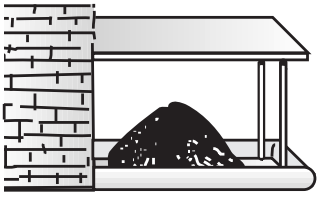
❶ Build a covered area with a paved floor. This is an expensive option, but one which may prove cheaper than treating contaminated runoff.



❷ Place a temporary plastic film or sheeting over the material. This is an economical choice for smaller quantities, or temporary storage.



❸ Pave a new storage area and install a drainage system to collect stormwater runoff.



- Slope the paved area to minimize ponding and surround the perimeter with curbing.
- Minimize the use of catch basins within the perimeter which can clog with material.
- Contact the Source Control Division, 503-823-5320, as runoff may require pre-treatment and discharge to the sanitary sewer.
- Treatment of contaminated runoff may be needed to remove pollutants before discharge into the storm sewer system, if a sanitary sewer is not available.
- Approval from DEQ may also be required for connection of contaminated stormwater to an on-site wastewater treatment system.

❹ If runoff passes into the soil beneath an existing storage area, contamination of groundwater may be a concern. A berm may be needed around an existing storage area to both collect and divert excess runoff as outlined in ❸.

❺ Maintain an Emergency Spill Response and Cleanup Plan. Directions are outlined in BMP **4**.

Materials frequently stockpiled:

- ✔ Sand
- ✔ Topsoil
- ✔ Sawdust
- ✔ Metal products
- ✔ Building products
- ✔ Gravel
- ✔ Wood chips
- ✔ Compost
- ✔ Animal waste

** Facilities subject to new development standards as identified in the City's Stormwater Management Manual may have additional or different requirements than those listed on this BMP. For information please contact the City's Development Assistance staff at 503-823-7122.*

ENVIRONMENTAL SERVICES
CITY OF PORTLAND
CLEAN RIVER WORKS
Dean Marriott, Director

Contact the Environmental Services Source Control Division 503-823-5320 for more information.

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