TOP TEN BMPs for Pollution Prevention at Industrial & Municipal Sites

See back for more information.

For more information on Best Management Practices (BMPs), go to: www.BizHelp.utah.gov
For questions contact the Division of Water Quality at: 801-536-4300
To report an Environmental Emergency, call: 1-800-458-0145

1. Vehicle/Equipment Maintenance
   - Provide a designated area to perform vehicle maintenance including vehicle washing that is inside a covered structure or building and is connected to the sanitary sewer with approval by local sanitary sewer district. See Covered Storage BMPs below.
   - Store vehicle fluids separately in closed, labeled, and non-leaking containers and dispose of properly. Perform cleaning at a central station to ensure liquids stay in one area.
   - Remove batteries & place in a closed, acid-resistant storage container.
   - Clean up spills immediately using dry cleanup procedures and properly dispose of cleanup materials.

2. Detention/Retention/Infiltration Basins
   - Use detention basins to collect uncontaminated storm water before discharging to surface or ground water.
   - Use retention basins for process waste water to ensure capture and containment of all pollutants.
   - Use infiltration basins to help remove sediments by infiltrating storm water into the soil.

3. Storm Drain Inlet Protection
   - Use rock waddles, sand bags, or other appropriate material to cover the storm drain inlet to filter out trash and debris.
   - Make sure the rock size, that is used in the rock waddle, is no larger than 1 inch in diameter; preferably use pea gravel or sand.
   - Inspect inlet protection devices and maintain regularly as needed.
   - Divert storm water drainage from liquid storage, loading/unloading facilities, and other operations areas.

4. Minimize Storm Water Discharge
   - Direct downspout discharge into a vegetated area to minimize the volume of storm water discharged into the storm drain system.
   - Direct downspout drainage to above or below ground cisterns. Water can be used for irrigation of landscapes, lawns, or gardens.
   - Direct storm water runoff into a lined retention pond for evaporation.

5. Clean Paved Surfaces
   - Prevent or clean up releases of automotive fluids and chemical spills to prevent surface contamination.
   - Sweep and clean storage areas monthly or regularly as needed. Use dry cleanup methods.
   - Use de-icing materials only when necessary on the parking lots and access roads in the winter.

6. Fugitive Dust Suppression
   - Apply water on haul roads.
   - Haul materials in properly tarped or sealed containers.
   - Restrict vehicle speeds to 10 mph on-site.
   - Prevent visible “track out”, e.g., pollutants carried on the tires of vehicles or windblown raw materials.

7. Waste Management
   - Cover all waste material with a durable, non-leaking cover and anchor in a way to keep water from entering the dumpster. See Covered Storage BMP below.
   - Reuse or recycle paints, fluids, and parts when possible. Store in non-leaking, closed, and labeled container.
   - Keep hazardous and non-hazardous wastes separate.

8. Secondary Containment
   - Use secondary containment to capture and control leaking materials, including potential leaks from pipes, tanks, and storage containers.
   - Provide a designated area to perform vehicle maintenance including vehicle washing that is inside a covered structure or building and is connected to the sanitary sewer with approval by local sanitary sewer district. See Covered Storage BMPs below.
   - Restrict vehicle speeds to 10 mph on-site.
   - Fill locations should have drip trays that drain into a drum or other container. Dispensing areas should have their own containment.

9. Good Housekeeping
   - Look for leaks and maintenance issues. This could include loose fittings, gaskets, pumps, piping connections, and rubber nozzles on fuel dispensers.
   - Label all containers of hazardous substances with the name of the chemical, expiration date, health or environmental hazards, and dispose of properly.
   - Use pesticides, herbicides, fertilizers, and other chemicals only when needed and follow instructions on the label.
   - Replace containers that are leaking, corroded, or otherwise deteriorating.
   - Keep an accurate, up-to-date inventory of materials.
   - Train employees and contractors on proper storm water best management practices.

10. Covered Storage
    - Preferably store all materials with a durable, non-leaking cover (lid or some other type of cover) and anchor to keep water from entering the container. A “durable, non-leaking cover” means that nothing can enter from the top, drain out of holes in the bottom and no material is lost in loading or unloading.
Pollution Prevention at Industrial & Municipal Sites

Do you manage or work at an industrial or municipal facility? If so, this guide is to help YOU minimize the generation of wastes at your facility, reduce or eliminate the discharge of pollutants in storm water runoff, as well as, recycle or reuse as many materials as possible. It covers Best Management Practices or BMPs. BMPs will help you save money by reducing waste disposal costs through better work practices and proper materials storage. BMPs are proven methods to help prevent pollution from being created, known as pollution prevention.

You can find storm water resources by selecting Storm Water on the Division of Water Quality website at:

www.waterquality.utah.gov

Most storm water discharges from Municipal and Industrial sites are considered point sources and an UPDES permit is required to prevent or minimize the discharge of pollutants in storm water runoff. You can find information on UPDES permits by selecting Storm Water > Industrial Activities or MS4.

www.waterquality.utah.gov

For best practices in storm water management, go to the Center for Watershed Protection website at:

www.cwp.org

For additional BMPs, go to the International Stormwater BMP Database website at:

www.bmpdatabase.org

Resources

Local Sanitary Sewer Districts (SSD)
Contact the city’s sanitary sewer district.

Salt Lake County Health Department’s Small Business Waste
Select Program/Services > Household Hazardous Waste at:

www.slchealth.org

Utah Division of Air Quality
(Air quality permits/Fugitive Dust Plan) (801-536-4000)
Select Permits or Compliance at:

www.airquality.utah.gov

Utah Division of Solid and Hazardous Waste
(Recycling Information) (801-536-0200)
Select Recycling Information at:

www.hazardouswaste.utah.gov

Utah Department of Environmental Quality
(Report Spills: 801-536-4123) or
(DEQ Hotline: 1-800-458-0145)
www.deq.utah.gov

Environmental

Best Management Practices

Hazardous Waste
Hazardous Wastes: Identifying Hazardous Wastes
Business owners and operators are responsible for determining whether wastes that are generated on-site are hazardous or non-hazardous. Acts, there are several ways to identify hazardous wastes:

Managing Your Hazardous Waste: A Guide for Small Businesses at:

Managing Your Hazardous Waste: A Guide for Small Businesses at:

Managing Your Hazardous Waste: A Guide for Small Businesses at:

Spill Management
Clean up spills and leaks immediately.

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