

IC12. PAINTING, FINISHING, AND COATINGS OF VEHICLES, BOATS, BUILDINGS, AND EQUIPMENT

Pollution Prevention

Consider pollution prevention measures at all times for improving pollution control. Implementation of pollution prevention measures may reduce or eliminate the need to implement other more costly or complicated procedures.

1. Use drop/ground cloths.
2. Shelter any blasting and spray painting activities.
3. Maintain a clean working environment.
4. Cover and seal nearby storm drain inlets.
5. Properly clean, store, and dispose of painting, finishing, and coating materials.
6. Train employees on these BMPs, storm water discharge prohibitions, and wastewater discharge requirements.

The following pollution prevention principles apply to most industries:

- Affirmative Procurement - Use alternative, safer, or recycled products.
- Redirect storm water flows away from areas of concern.
- Reduce use of water or use dry methods.
- Reduce storm water flow across facility site.
- Recycle and reuse waste products and waste flows.
- Move or cover potential pollution from storm water contact.
- Provide on-going employee training in pollution prevention.

Best Management Practices

1. **Use drop/ground cloths.**
 - Underneath outdoor painting, scraping, and sandblasting work.
 - Underneath outdoor mixing of paints, solvents, and tool cleaning.
2. **Shelter any blasting and spray painting activities.**
 - Hang wind-blocking tarps to prevent sand blasting dust and overspray from escaping.
 - Do not conduct these activities when wind conditions are such that containment is rendered ineffective.
 - Do not conduct these activities over open water.
3. **Maintain a clean working environment.**
 - Utilize dry cleaning methods (e.g. sweeping). If washing is unavoidable, collect wash water for treatment and/or proper disposal.
 - Vacuum loose paint chips and paint dust to prevent paint and other chemical substances from entering waters.
 - Properly dispose of surface chips, used blasting sand, residual paints, and other materials. Use temporary storage containment that is not exposed to rain.
4. **Cover and seal nearby storm drain inlets.**
 - Cover and seal nearby storm drain inlets with waterproof material, mesh, or other runoff control device.
 - Leave covers in place until job is complete.
 - Clean covers daily and remove any debris for proper disposal.
5. **Properly clean, store, and dispose of painting, finishing, and coating materials.**
 - Do not dispose of toxic substances or liquid wastes on the pavement, the ground, or toward a storm drain.

- Cover materials left outdoors at the end of the workday with a temporary waterproof covering made of polyethylene, polypropylene or hypalon.
- Clean paint brushes and tools covered with water-based paints in sinks connected to sanitary sewers or in portable containers that can be poured into a sanitary sewer drain.
- Clean paint brushes and tools covered with non-water-based paints, finishes, or other materials such that used solvents (e.g., paint thinner, turpentine, etc.) can be collected for recycling or proper disposal.

OPTIONAL:

- Recycle paint, paint thinner, solvents, and other recyclable materials whenever possible.

6. Training

1. **Train employees on these BMPs, storm water discharge prohibitions, and wastewater discharge requirements.**
2. **Train employees on proper spill containment and cleanup.**
 - Establish training that provides employees with the proper tools and knowledge to immediately begin cleaning up a spill.
 - Ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures.
 - BMP IC17 discusses Spill Prevention and Control in detail.
3. **Establish a regular training schedule, train all new employees, and conduct annual refresher training.**
4. **Use a training log or similar method to document training.**

References

California Storm Water Best Management Practice Handbooks. Industrial/Commercial Best Management Practice Handbook. Prepared by Camp Dresser & McKee, Larry Walker Associates, Uribe and Associates, Resources Planning Associates for Stormwater Quality Task Force. March 1993.

King County Stormwater Pollution Control Manual. Best Management Practices for Businesses. King County Surface Water Management. July 1995. On-line: <http://dnr.metrokc.gov/wlr/dss/spcm.htm>

Stormwater Management Manual for Western Washington. Volume IV Source Control BMPs. Prepared by Washington State Department of Ecology Water Quality Program. Publication No. 99-14. August 2001.