

Stormwater: Category 6 BMPs – Transportation and Outdoor Loading/Unloading of Material

Department: Environmental Protection

Program: Stormwater

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Authority: ES&H Manual, Chapter 26, Stormwater

Category 6 best management practices (BMPs) help prevent or reduce the amount of pollutants entering the storm drain due to material transportation and outdoor loading and unloading. For more information on hazardous materials handling, see Chapter 40, “Hazardous Materials”.¹

BMPs

- 6.1 Reduce exposure of potentially polluting material to rain by loading/unloading under a roof or by covering material with tarps or plastic sheets.
- 6.2 Provide fork lift training.
- 6.3 Park fork lifts under a roof when not being used
- 6.4 Comply with DOT packaging requirements for off-site transportation of hazardous materials and hazardous waste.
- 6.5 Determine and use specified transport routes.
- 6.6 Provide spill response training for personnel who handle hazardous material.
- 6.7 Protect storm drains by: redirecting or filtering flow, placing absorbent material as needed, covering storm drains, or using available shut-off valves.
- 6.8 Clean up minor spills immediately. Maintain good housekeeping practices.
- 6.9 Ensure loading and tie-down requirements are met
- 6.10 Equip loading/unloading areas and hazardous material and waste transportation vehicles with spill kits appropriate to the material handled.
- 6.11 Park tank trucks or delivery vehicles away from unprotected storm drains or manholes, or provide temporary storm drain protection
- 6.12 Retrofit or equip (by grading or berming) major loading and unloading areas to prevent stormwater run-on.
- 6.13 Place roof down-spouts to direct water away from loading and unloading areas.
- 6.14 The person who signs for the delivery is responsible for inspecting for spills, leaks, and debris before the truck leaves.
- 6.15 Have an agreed upon procedure outlining whose responsibility (outside contractor or SLAC) it is for cleaning up after unloading or before departing with a full load.

¹ *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 40, “Hazardous Materials”, http://www-group.slac.stanford.edu/esh/hazardous_substances/haz_materials/policies.htm

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Note For a complete list of all BMP categories, see Stormwater: Best Management Practices Index.²

Loading Area Locations

The primary locations for material loading and unloading are

- Shipping and Receiving (Building 081)
- Plating Shop Chemical Storage Buildings (Building 036 and 499)
- Metal Fabrication Pretreatment Facility (Building 038)
- Hazardous Waste Storage Area (Building 447) and staging areas (varies)
- Chemical storage sheds at the cooling towers (CT1200, 1201, 1202, 1701, 101, 404)
- Fueling stations
- Upper and lower salvage yards

2 Stormwater: Best Management Practices Index (SLAC-I-750-0A16V-001), <http://www-group.slac.stanford.edu/esh/eshmanual/references/stormIndexBMP.pdf>