

~Town of Binghamton Best Management Practices for Vehicle Equipment Wash Bay~

The Town of Binghamton Highway Department is located at 865 Hawleyton Rd Binghamton NY 13903. The land that the town of Binghamton Highway garage is located on was purchased in 1957 by our town's four fathers. The building was built in 1958 at its present location. Improvements to the building and the land have been on an ongoing objective to the administration of the town of Binghamton. The town facilities do not have sanitary sewer or a discharge permit for wash water. All bay water is run through water oil separator and stored in a 1500 gallon tank.

Site and Activity Conditions:

On-site vehicle and equipment washing is discouraged. Clean all vehicles/equipment that regularly enters and leaves the construction on and off-site. However, if vehicle or equipment cleaning operations must be performed on a construction site, use the BMPs presented below to minimize or eliminate the discharge of pollutants to storm drain systems or to watercourses.

BMPs

- Wash vehicles and equipment within a structure or building equipped with appropriate disposal facilities, if possible.

- When vehicle and equipment washing must occur onsite and outside, the outside cleaning area should have the following characteristics, and should be arranged with the Engineer or CRM:
 - Located away from storm drain inlets, drainage facilities, or watercourses;
 - Paved with concrete or asphalt and bermed to contain wash waters and to prevent run-on and runoff;
 - Configured with a sump to allow collection and disposal of wash water;
 - Wash waters should not be discharged to storm drains or watercourses; and,
 - Used only when necessary.

- Cleaning of vehicles and equipment with soap, solvents or steam should not occur on the project site unless wastes are fully contained and disposed of properly outside the highway right-of-way.
- The use of diesel for vehicle and equipment cleaning is prohibited.
- Vehicle and equipment wash water should be contained for percolation or evaporative drying away from storm drain inlets or watercourses and should not be discharged within the highway right-of-way. Apply sediment control BMPs if applicable when cleaning vehicles/equipment with water:
 - Use as little water as possible. High pressure sprayers may use less water than a hose, and should be considered; and,
 - Use positive shutoff valve to minimize water usage.

- Minimize the use of solvents. Do not discharge thinners or solvents into Sanitary or storm sewer systems when cleaning large machine parts where discharge of water is required. Use alternative methods for cleaning larger equipment parts such as high pressure, high temperature water washes, or steam cleaning.
- Equipment washing detergents can be used and wash water discharged into the sanitary system if grit is removed from the solution first. The water discharged into the sewer system must not exceed discharge limits set by the local sewer authority.
- Small parts can be cleaned with degreasing solvents, which are reused after filtering or recycled. These solvents should not be discharged into any sewer.

Inspection and Maintenance

- Monitor employees and subcontractors throughout the duration of the construction project to ensure appropriate vehicle and equipment washing and cleaning practices are being implemented.
- Inspect wash water sump regularly and remove liquids and sediment as needed or as directed by the Engineer or CRM.