

Catch Basin Cleaning/Wastes Disposal SOP

[Permittee]

Description

As a consequence of its function, the stormwater conveyance system collects and transports urban runoff that may contain certain pollutants. Maintaining catch basins, stormwater inlets, and other stormwater conveyance structures on a regular basis will remove pollutants, prevent clogging of the downstream conveyance system, restore catch basins' sediment trapping capacity, and ensure the system functions properly hydraulically to avoid flooding.

Approach

Protocols

Catch Basins/Inlet Structures

- Contractor [or Permittee] staff inspects facilities to ensure the following:
 - Immediate repair of any deterioration threatening structural integrity.
 - Cleaning before the sump is 50% full. Catch basins are cleaned as frequently as needed to meet this standard.
- Problem areas (as identified while cleaning) are addressed periodically throughout the year, or as needed.
- Inspections are conducted by the Contractor more frequently during the wet season for problem areas where sediment or trash accumulates more often. Cleaning and repairs are performed as needed by the Contractor.
- Throughout the year, HVS staff may identify additional areas that need repairs or cleaning. These areas are then added to the cleaning and/or repairs schedule.
- We keep accurate logs of the number of catch basins cleaned and any rehabilitation performed.
- The amount of waste is collected and recorded by the contractor. This information is relayed to us for reference.
- Catch basin wastes are hauled, by the Contractor to a landfill for proper disposal.

Objectives

- Contain
- Educate
- Reduce/Minimize

Targeted Constituents

Sediment	✓
Nutrients	✓
Trash	✓
Metals	✓
Bacteria	✓
Oil and Grease	✓
Organics	✓
Oxygen Demanding	✓

- Mechanical cleaners such as eductors, vacuums, or bucket loaders are utilized for waste collection.

Storm Drain Conveyance System

- We locate reaches of storm drain with deposit problems and develop a flushing schedule that keeps the pipe clear of excessive buildup.
- Wastes are hauled to a landfill for proper disposal.

Maintenance

- Two-person teams are typically required to clean catch basins with vector trucks.
- Identifying illicit discharges requires teams of at least two people, plus administrative personnel, depending on the complexity of the storm sewer system.
- Arrangements are made for proper disposal of collected wastes.

Illicit Connections and Discharges

- During routine dry-weather screening investigations, staff look for evidence of illegal discharges or illicit connections, as well as accumulation of sediments in the system, erosion areas, etc.
- This information is then added to the priority list as needed.

Training

- Crews are trained in proper maintenance activities, including record keeping and disposal.
- Crews are trained regarding non-stormwater discharges.
- Only properly trained individuals are allowed to handle hazardous materials/wastes.
- All field staff are trained to recognize and report illegal dumping.
- Our construction project contracts require proper soil erosion and sedimentation control measures during the duration of the project.