

VILLAGE OF ROMEO CATCH BASIN CLEANING / WASTE DISPOSAL STANDARD OPERATING PROCEDURE
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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*Catch Basins/Inlet Structures*

- Municipal staff inspects and cleans the Village catch basins annually to ensure the following:
 - Immediate repair of any deterioration threatening structural integrity.
 - Cleaning once every 3 years or before the sump is 50% full. Catch basins are cleaned as frequently as needed to meet this standard.
- Catch basins, storm drain inlets, and other conveyance structures in high pollutant load areas are cleaned just before the wet season to remove sediments and debris accumulated during the summer. High priority areas include Main street between Benjamin and Croswell streets.
- Problem areas (as identified while cleaning) are addressed as needed.
- Inspections are conducted more frequently during the wet season for problem areas where sediment or trash accumulates more often. Cleaning and repairs are completed as needed.
- Accurate logs of the number of catch basins cleaned and the amount of waste removed from those catch basins are kept.
- Catch basin wastes are hauled to the Wastewater Treatment Plant for storage classification and disposal.
- Mechanical cleaners such as vacuums or bucket loaders are utilized for waste collection.

Storm Drain Conveyance System

- Reaches of storm drain with deposition problems are located and a flushing schedule that keeps the pipe clear of excessive buildup is developed.
- Storm sewers are cleaned as needed.
- Wastes are hauled to the Wastewater Treatment Plant for storage classification and disposal.

Objectives

- Contain
- Educate
- Reduce/Minimize

Targeted Constituents

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

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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 looks for evidence of illegal discharges or illicit connections, as well as accumulation of sediments in the system.
- 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 is trained to recognize and report illegal dumping.
- Field staff receives good housekeeping and pollution prevention training at least once within the permit period.