

BOROUGH OF TENAFLY

NJPDES MUNICIPAL STORMWATER REGULATION PROGRAM

TIER A MUNICIPAL STORMWATER GENERAL PERMIT



COMMUNITY

TRAINING PROGRAM

March 2012

NJPDES PERMIT # NJG0148776

General

The State of New Jersey through the NJDEP required every municipality to file for a Municipal Stormwater Permit (the Permit) in 2004. The Permit allows for the discharge of stormwater runoff to open waters (streams, lakes, oceans) in the State of New Jersey.

The Borough of Tenafly was classified as a Tier “A” community. The Department of Public Works, with the assistance of the Borough Engineer, oversees the Permit for the Borough. As part of the Permit, all Tier “A” communities are required to develop and conduct an annual employee training program that covers the topics contained in the Permit. Each year, the Borough Engineer conducts training for the DPW and Building Department employees to familiarize them with the permit requirements.

As part of the NJDEP modifications to the Tier “A” Permit on June 1, 2009, the NJDEP now encourages training of Elected Officials on the basic requirements of the Permit.

The Basic Requirements in the Tier “A” Stormwater Permit are as follows:

1. Waste Disposal Education
2. Municipal Stormwater Ordinances
3. Yard Waste Collection Program (leaves and grass clippings)
4. Street Sweeping of Borough Streets
5. Solids and Floatable Controls including:
 - a. Stormwater Facilities Maintenance (inlet and basin cleaning) and Labeling
 - b. Outfall Pipe Stream Scouring Remediation
 - c. Long Term Maintenance of Stormwater Facilities in the Borough
6. Illicit Connection Elimination and Outfall Pipe Mapping
7. Compliance of DPW Yard Operations:
 - a. De-icing Material Storage (salt and sand)
 - b. Fueling Operations
 - c. Vehicle and Equipment Maintenance
 - d. Good Housekeeping of the DPW Site
 - e. Indoor Equipment and Vehicle Washing

Below is a summary of the above topics and the basic requirements under the Permit.

Waste Disposal Education

- A. Tier 'A' communities are required to educate their residents and employees on the impact of waste disposal and the impact improper disposal can have in the Borough streams and waterways.
- B. The Borough is required to provide information on the proper use and disposal of fertilizers and pesticides. Using native or well-adapted vegetation that requires little or no fertilization, and properly disposing of pet wastes, used motor oil, and household hazardous wastes reduces pollution in streams and waterways in the Borough. The Borough uses the website, mailings ("The Borough of Tenafly Newsletter"), and employee training to educate residents and employees on the proper disposal of waste.
- C. Tenafly residents have/can become involved in local stream and/or shoreline restoration activities.
- D. Tier 'A' municipalities must distribute "The Borough of Tenafly Newsletter" on a yearly basis by mail to all residents and businesses within the municipality the informational brochure provided by the Department (attached). The NJDEP's brochure contains information on each of the topics that the State wants to see covered in a local education program. This brochure is available on the NJDEP website (www.njstormwater.org).

Municipal Stormwater Ordinances

Various ordinances were amended or adopted by the Borough to address the requirements of the Permit including:

- A. Pet waste ordinance
- B. Litter ordinance
- C. Improper waste disposal ordinance
- D. Wildlife feeding ordinance
- E. Yard waste ordinance
- F. Illicit connection ordinance
- G. Stormwater ordinance
- H. Private Storm Drain Inlet Retrofitting
- I. Refuse Containers/Dumpster



As part of the modifications to the Tier “A” regulations, the Mayor will send a letter each year to residents to educate them on the Borough ordinances adopted as part of the Permit (sent as part of “The Borough of Tenafly Newsletter.”)

Yard Waste Collection Program

- A. The NJDEP is concerned with the discharge of yard waste to our storm sewer system because of its impact to the carrying capacity of the drainage system, the maintenance work that it would require, and the environmental impacts to the receiving waterway (i.e. oxygen removal during decomposition causes increased nutrients, which results in plant and algae growth).
- B. Municipalities have two options relative to yard waste and collections to comply with the Tier ‘A’ Stormwater Permit:
 - 1. Adopt and enforce an ordinance to prohibit the placement of non-containerized yard waste in the street; or
 - 2. Develop and implement a yard waste collection program for all areas within the municipality that have yard waste. Yard waste must be collected under this option once a month from October through December, and once again in the spring. As part of this option, the Tier ‘A’ municipality must adopt and enforce an ordinance to prohibit all yard waste from being placed at the curb or along the street no sooner than seven (7) days prior to the scheduled collection date and placed no closer than 10 feet from any storm sewer inlet.

Tenafly has implemented option number 2 listed above.

Street Sweeping of Borough Streets

- A. Tier ‘A’ municipalities are required to sweep all municipal streets with storm drains that have a posted speed limit of 35 MPH or less in predominantly commercial areas at a minimum of once per month, weather and street surface conditions permitting. Tenafly DPW sweeps all Borough streets at least four (4) times per year. The downtown and main line streets are swept once per week.
- B. Tier ‘A’ municipalities must certify annually that the minimum street sweeping standard is being met. Records must be kept including the date and areas swept, number of miles of streets swept and the total amount of materials collected. Information must be provided in the annual report and certification. The Borough removes approximately 225 tons of materials/year through street sweeping.
- C. The NJDEP encourages all Tier ‘A’ municipalities to maintain existing street sweeping and try to sweep all streets within the municipality once per year. Tenafly exceeds this standard.

Solids and Floatable Controls

A. Stormwater Facilities Maintenance and Labeling

Each Tier “A” municipality must implement a stormwater facility maintenance program that provides for the following:

1. Yearly catch basin cleaning. The Borough removes approximately 100 tons of materials/year for catch basin cleaning.
2. Periodic cleaning and maintenance of other stormwater facilities such as detention basins, retention basins, outfalls, etc.

Good recordkeeping is required by the State to ensure that Stormwater facilities are properly maintained. Tenafly DPW and the Engineering Division maintain these records.

Each Tier “A” municipality must implement a storm drain labeling program as follows:

All Borough storm drains were labeled by the DPW. Below is a sample of the labels:



B. Outfall Pipe Stream Scouring Remediation

Each Tier “A” municipality must implement a stormwater outfall pipe scouring detection, remediation, and maintenance program to identify and stabilize localized stream and stream bank scouring in the vicinity of an outfall pipe operated by the municipality.

C. Long Term Maintenance of Stormwater Facilities in the Borough

Each Tier “A” municipality is responsible for the following:

1. Ensure long-term operation and maintenance of stormwater devices.

2. Retrofit storm drain inlets during road repair, micro paving, reconstruction, alterations or repaving in accordance with the State standards.



Picture of Inlet Retrofitted

The Borough complies with both items listed above.

Illicit Connection Elimination and Outfall Pipe Mapping

All Tier “A” municipalities must develop, implement, and enforce a program to detect and eliminate illicit connections into the municipalities’ storm sewer system. The NJDEP definition of an illicit connection is as follows:

“An illicit connection is any physical or non-physical connection that discharges domestic sewage, non-contact cooling water, process wastewater, or other industrial waste (other than stormwater) to the Tier “A” municipality’s storm system, unless that discharge is authorized under a NJPDES Permit other than this Tier “A” Municipal Stormwater General Permit”

The Borough of Tenafly has developed an illicit connection elimination and outfall pipe mapping program.

All Borough owned outfall structures (the Borough has 203 outfalls) must be visually inspected to determine which outfalls experience non-stormwater flows or “dry weather” flows. An Illicit Connection Inspection form must be completed for each investigation. The Borough Engineer performs the inspections and maintains the records.

If an illicit connection is found, the municipality must cite the responsible party for violation of the municipal ordinance prohibiting illicit connections.

Compliance of DPW Yard Operations

The Permit focuses on eliminating or minimizing the amount of pollutants entering the waters of the State from the DPW yard operations including maintenance activities at ancillary operations. Ancillary operations may include recycling centers, solid waste transfer stations, mobile fuel stations, etc.

Standard operating procedures (SOP’s) must be developed for all Borough maintenance facilities and should be included in the Stormwater Pollution Prevention Plan (SPPP).

- A. De-icing material storage – Salt must be stored in a permanent structure that is completely walled and roofed and has an impermeable floor. Tenaflly has one (1) salt storage building at 107 Grove Street.
- B. Fueling Operations – An SOP is required for all locations where vehicles are fueled and bulk fuel is received. Tenaflly DPW is in charge of fueling operations.
- C. Vehicle and Equipment Maintenance – An SOP is required for all locations where vehicle maintenance is performed to eliminate or minimize the amount of pollutants entering surface and ground water. Tenaflly DPW repairs and washes all vehicles indoors.
- D. Good Housekeeping – An SOP is required regarding good housekeeping procedures for all materials and machinery listed in the inventory requirements for a municipal maintenance yard operation. DPW has continually maintained good housekeeping procedures.
- E. Equipment and Vehicle Washing – Outdoor equipment and vehicle washing will not be permitted after February 29, 2009. Tenaflly DPW washes vehicles indoors.

SUMMARY

This training package can be found on the Borough of Tenaflly website at www.tenafllynj.org.

The Stormwater Coordinator for the Borough of Tenaflly is Robert Beutel, DPW Superintendent. All questions on this presentation can be directed to Andrew R. Hipolit, Borough Engineer at 973-398-3110 or ahipolit@maserconsulting.org.