

ADDENDUM #1

1.0 A PLAN TO ENSURE ADEQUATE LONG-TERM OPERATION AND MAINTENANCE OF BMPs LOCATED ON PROPERTY OWNED OR OPERATED BY THE TOWNSHIP OF EAST AMWELL, HUNTERDON COUNTY, NEW JERSEY

1.1 Background:

This plan was prepared to satisfy the Statewide Basic Requirement (SBR) for East Amwell Township's NJPDES Municipal Stormwater Regulation Program for Tier B Municipalities. In order to comply with the NJDEP regulations, this plan must be implemented and followed. This plan applies to all stormwater BMPs located on property owned or operated by East Amwell Township regardless of the date they were constructed.

1.2 Location of BMPs:

As of this writing, there are only two BMPs located on land owned by the Township of East Amwell. Both are extended detention basins and both are located in Clawson Park, Rt. 179, Block 14, Lot 15. Should other BMPs be constructed on municipal property, they should be added to this plan.

1.3 Periodic Inspection:

The Township Stormwater Coordinator shall perform an on-site inspection of the BMPs once per year between March 1 and April 1. If the inspection reveals a problem with the BMP, the Stormwater Coordinator shall inform the Department of Public Works and the Governing Body in writing. The Governing Body shall then take whatever action it deems necessary.

The Department of Public Works shall inspect the BMP's in accordance with 1.5 Long Term Operation and Maintenance below.

1.4 Basic Operation of the Basin and Components:

The two basins are grassed and each contains inlet pipes, a concrete outlet structure, an outlet pipe, and an emergency spillway. The basins were designed to hold a specific volume of stormwater for a specific amount of time. Each basin has one outlet structure. The outlet structure was designed to release the water in the basin in a slow and controlled fashion. The outlet structures can be easily identified because they are constructed of concrete and resemble concrete boxes, with various size openings on the top and sides. The structures protrude above the bottom of the basin, near the utility easement. They each have a metal trash rack (to keep debris out) and a casting on top to allow stormwater to spill into the structure during very high water.

An emergency spillway is provided to give the stormwater a safe (and stable) place to spill out of the basin in the event the outlet structure becomes clogged or the storm is so intense that there is not enough volume within the basin to hold the stormwater. The elevation (grade) of the emergency spillway must not be altered from the design elevation.

1.5 Long Term Operation and Maintenance:

The Township Department of Public Works is responsible for cutting the grass during the growing season. They are also responsible for keeping the outlet structures clean and clear of grass, sticks, leaves and other debris that might cover the components of the structures and result in reducing or obstructing the flow of stormwater into the outlet structure.

The following items should be checked on a monthly basis (and before and after a major rain storm):

- Inlet pipe, headwall and rip-rap aprons -
 - Check for erosion around headwall and pipe. Repair as necessary.
 - Check for cracking of concrete headwall and/or joint between headwall and inlet pipe. Repair as necessary.
 - Check for erosion around rip-rap apron. Rip-rap may have to be replaced or cleaned and reset on occasion.
- Detention Basin
 - Remove any debris that might occupy volume or clog the outlet structure
- Outlet Structure(s), including trash racks and top casting -
 - Clean debris from trash rack and outlet structure.
 - Remove debris that might be washed into structure during rain event.
- Outlet pipe(s) (carries flow out of Outlet Structure) -
 - Check for erosion at open end of pipe and surrounding downstream area. Repair as necessary.
- Emergency Spill -
 - Check for erosion before and after major storms. The Spillway area must be erosion free and earth must be stable and well vegetated to function properly.

In the event a problem is found that cannot be handled by the Department of Public Works in a timely manner, the Director of Public Works shall inform the Township Administrator, Township Engineer and Stormwater Coordinator immediately.

1.6 Record Keeping:

The Stormwater Coordinator shall keep a record of the dates his/her yearly inspections. The record should include the date of the inspections, the conditions found, the name of the person conducting the inspection, and any maintenance performed. The record should be kept in the Stormwater Coordinator's Block and Lot file. A copy shall be sent to the Department of Public Works and Township Clerk.

The Director of the Department of Public Works shall keep a record of his department's periodic inspections. The record should include the date of the inspections, the

conditions found, the name of the person conducting the inspection, and any maintenance performed. The record should be kept in the Department of Public Works' file. A copy shall be sent to the Stormwater Coordinator and Township Clerk.