

## **TMDL / Pollution Reduction Plan / NPDES (Individual)**

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### Stormwater Management Program

Design to reduce pollutants to the maximum extent possible (MEP)

Pollutants / impairments include:

1. Pine Run
  - a. Excessive algae growth
2. Cooks Run
  - a. Nutrients (Nitrogen and Phosphorus)
3. Neshaminy Creek
  - a. Siltation
  - b. Sediment
  - c. Suspended solids
  - d. Pathogens
  - e. Nutrients (Nitrogen and Phosphorus)
  - f. Organic enrichment
  - g. Low dissolved oxygen

Must include:

1. Public Education and outreach
2. Public participation / Involvement
3. Illicit discharge detection and elimination
4. Construction site stormwater management
5. Post construction stormwater management
6. Pollution prevention (municipal operations)

New criteria:

1. Mapping must include private properties
2. Include stormwater collection system inlets and piping (currently only outlets and basins)
3. Identify 'sewersheds (watersheds) for drainage areas
4. Revise ordinances (by 9/30/22) per PADEP's Model Ordinance
5. Notify BCCD of applications
6. No cleaning agents for individual residential car wash activities?
7. No discharge of dechlorinated swimming pools
8. Reduce Phosphorus by 5%
9. Reduce sediment by 10%

NPDES:

1. Permit due 9/16/17 w/ \$2,500.-
2. TMDL and PRP plans are publically advertised (8/24/17), have a 30 day public review period / 45 days prior to submission to PADEP (10/9/17 +/-)
3. Permit starts 3/16/18 for a 5 year period (3/16/23)

Process for pollution credits:

1. Additional street sweeping (regenerative air or vacuum assisted) and inlet cleaning
2. Inlet filtering of silt at strategic locations
3. Lawn fertilization reduction
4. Pond algae removal
5. Remove trees from streams which create areas with slow moving water
6. Eliminate screenings from winter snow salt
7. Plant trees

Funding:

1. Talk to contributors for pollution reduction
2. Cost analysis
3. Borough budget / taxes
4. Grants