

Town of Lloyd Storm Water Management Plan (SWMP)

Town of Lloyd, Ulster County, New York

As adopted by the Town of Lloyd Town Board on June 10, 2009

Introduction:

1. The Town of Lloyd is one of 13 regulated municipalities in Ulster County that is required to establish an effective *Stormwater Management Plan (SWMP)* for MS4 Compliance.
2. The term MS4 includes both municipal and non-municipal systems of underground pipes, and also systems of streets and roads with drainage, catch basins, curbs, gutters, ditches, man-made channels or storm drains, whether or not the system is owned by a municipality.
3. Federal and State laws require that a **SWMP** must be fully developed and implemented in the Town of Lloyd by **January 8, 2008**. This effort started in 2003 when the Town filed a Notice of Intent with the NYSDEC to establish such a plan. A copy of the SWMP must be maintained at Town Hall for inspection by USEPA and NYSDEC.
4. Who is responsible for meeting this Stormwater Management obligation?
 - a) Town Board
 - b) Building Department
 - c) Fire Department
 - d) Highland Central School District
 - e) Highway Department
 - f) Town Planning and Zoning Boards
 - g) Town Attorney
 - h) Town Engineer
 - i) Water and Sewer Department
 - j) Environmental Conservation Committee
 - k) Recreation Department

Purpose:

The purpose of this document is to provide to the Town Board a methodology for developing a cost-effective **SWMP** by utilizing current Town Departments, personnel and consultants in a practical and coordinated fashion that will present the lowest possible tax burden to the residents of the Town of Lloyd.

Goals: The **SWMP** is required to include the following ongoing goals:

- 1 Public Education & Outreach
- 2 Public Involvement & Participation
- 3 Illicit Discharge and Elimination
- 4 Construction Site Stormwater Runoff Control
- 5 Post Construction Stormwater Management
- 6 Pollution Prevention & Good Housekeeping

Organization: The SWMP shall be developed and administered by a Stormwater Management Officer.

A partnering approach shall be used to encourage comprehensive and cross-sector collaboration between all entities in the Town in order to ensure that the SWMP goals are met in a timely fashion. The SWMO will act as the administrator and coordinator for the Town Board and will facilitate this partnering effort. Each sector, department or entity of the Town will retain its own autonomy and be accountable for its own area of responsibility.

Working together in a partnering fashion avoids duplication and wasting valuable resources.

Basic Areas of Responsibility:

The basic areas of responsibility of each sector, department or entity within the Town's geographical area are briefly outlined as follows:

1. Town Board

- a) Reviews and approves administrative procedures of Town's SWMP
- b) Assures that all fees are paid and required escrow accounts are established prior to approval of site plans and subdivisions.

2. Town Storm Water Management Officer/Code Enforcement Officer (SWMO)

- a) Develops and administers the Town's SWMP
- b) Assist in the development of a partnering of the various sectors, departments and entities in the Town
- c) Acts as a consultant for other sectors, departments or entities of the Town
- d) Develops monthly reporting forms for each participating Town Department
- e) Receives and reviews for compliance and quantification of data the monthly reports from participating Town Departments.
- f) Makes monthly and annual reports to Town Board
- g) Coordinates education programs
- h) Reviews Erosion and Sedimentation Control (E&SC) plans for single family (SF) lots and make periodic inspections for compliance
- i) Detection of illicit connections during and after construction
- j) Participates stormwater education programs for Town employees
- k) Attends and participates in all pre-construction meetings
- l) Documents any stormwater violations
- m) Issues all violation notices for compliance
- n) Makes all periodic inspections on private lands (where stormwater facilities will not be offered for public dedication) for compliance.
- o) Develops GIS mapping of storm drains and outfalls into streams with the assistance of the Town Highway Department
- p) Develops on-line stormwater website for public use
- q) Schedules Preconstruction Meetings for applicants who have received Planning Board Final Approval
- r) Sets up and maintains escrow accounts with Town Bookkeeper for Building Construction Accounts

3. Environmental Conservation Committee

- a) Participates stormwater education programs for Town employees
- b) Coordinates and develops public education outreach
- c) Contributes to public involvement and participation programs.

4. Recreation Committee

- a) Maintains good housekeeping practices at the recreation fields

- b) Pretests all grassed areas prior to applying fertilizer
- c) Provides unfertilized buffer areas between fertilized areas and drain-off areas to MS4

5. Planning Board and Zoning Board of Appeals

- a. Directs all major subdivisions and site plans larger than one (1) acre to Town Engineer for review for compliance to the Town Code
- b. Requires all approved projects to submit certified as-built plans and GIS location of all constructed catch basins and outfalls

6. Highway Department

- a. Reviews with the Town Engineer all Stormwater Pollution Plans (SWPPP) in areas to be dedicated to and maintained by the Town (future town roads and other future public areas)
- b. Reviews E&SC plans on all Driveway Permit Applications
- c. Cleans, maintains and monitors all publicly dedicated drainage facilities (catch basins, culverts, drainage ways, water quality basins, detention ponds, etc)
- d. Establishes a procedure during roadway and underground pipe construction and repairs that will prevent pollution of downstream drainage facilities
- e. Detection of illicit connections during construction and inspections of Town stormwater facilities
- f. Participates in stormwater education workshops for Town employees
- g. Attends and participates in all pre-construction meetings
- h. Reports any stormwater violations to the SWMO
- i. Maintains good housekeeping practices at the Town Garage

9. Fire Department

- a. Maintains good housekeeping practices at the firehouses
- b. Establishes a post fire cleanup procedure that will prevent pollution of downstream drainage facilities
- c. Reports any stormwater violations to the SWMO
- d. Participates in stormwater education workshops
- e. Attends and participates in all pre-construction meetings for major projects located in the fire district

10. Water & Sewer Department

- a. Maintains good housekeeping practices at its facilities
- b. Establishes a procedure during underground pipe construction and repairs that will prevent pollution of downstream drainage facilities
- c. Develops GIS mapping of sanitary mains and outfalls
- d. Reports any stormwater violations to the SWMO
- e. Detection of illicit connections during and after construction
- f. Participates stormwater education workshops for Town employees
- g. Attends and participates in all pre-construction meetings within the water & sewer districts of the Town

11. Highland Central School District

- a. Maintains good housekeeping practices at the bus garage and all school facilities
- b. Follows proper E&SC practices during construction
- c. Reports any stormwater violations to the SWMO
- d. Participates in stormwater education workshops
- e. Promotes class and essay contests
- f. School District to have its own NOI with a partnering agreement with the Town of Lloyd

13. Town Engineer

- a. Reviews E&SC plans/SWPPP for projects not involving isolated SF lots for compliance with the Town Code
- b. Inspects and monitors E&SC plans/SWPPP of MF, PUD, PRD, major subdivisions, commercial and industrial sites
- c. Participates in storm water education workshops
- d. Assist the Town Highway Department in all storm water management efforts on as-needed basis.
- e. Reports violations to the SWMO

Recordkeeping:

An area shall be designated at the Town Hall for filing of public records in connection with the Town's SWMP.

Finance: Financing of the SWMO and the Town's SWMP shall come from monies collected from the present Town of Lloyd Development Fee Schedule, stormwater budget line and from taxes collected from the various drainage districts as they are formed.

Referenced Documents in the Town Code:

- 1 Chapter 55 – Stormwater Management Erosion & Sediment Control
- 2 Chapter 66 – Illicit Discharges to Storm Sewers
- 3 Chapter 89 – Streets and Sidewalks

Other Reference Documents (NYSDEC)

1. Stormwater Management Guidance Manual for Local Officials, dated September 2004
2. Critical Path to Compliance, dated August 2006
3. Phase II SPDES General Permit for Stormwater Discharges from MS4, GP-02-02, version 4 dated March 2006
4. Municipal Pollution Control Prevention and Good Housekeeping Program Assistance, dated May 2006
5. Outfall and System Mapping for Illicit Discharge Detection and Elimination in New York State
6. Decision Tree for School Districts
7. Post-Construction Manual
8. Pre-Construction Manual
9. Management Practice Catalogs
10. Manual for Outfall Screening

Abbreviations:

E&SC = Erosion & Sediment Control MF = Multi-Family sites MS4 = Municipal Separate Storm Sewer Systems
PRD = Planned Residential Development PUD = Planned Unit Development SF = Single Family (on isolated lots that are not on a future Town road) SWMP = Stormwater Management Program SWPPP = Stormwater Pollution Prevention Plan

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