

Town of Seymour

GENERAL PERMIT FOR THE DISCHARGE OF
STORMWATER FROM SMALL MUNICIPAL
SEPARATE STORM SEWER SYSTEMS (MS4)

2007

Annual Report

Permit No. GSM000009

January 01, 2008

NYE PROJECT # 2004-129



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The Town of Seymour submits the following Annual Report updating the status and compliance with the Town's Stormwater Management Plan. This report meets the State of Connecticut Department of Environmental Protection (CTDEP) requirements as outlined in the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), section (i) Reporting and Record Keeping Requirements.

Any individuals that wish to comment on this annual report or the Town of Seymour's Stormwater Management Plan may contact Mr. Lawrence Secor at Nafis & Young Engineers, Inc at (203) 484-2148 or by email at larry.secor@nafisandyoung.com.

TABLE OF CONTENTS

1.0 History.....	1
2.0 Compliance	2
Section 1: Public Education and Outreach.....	2
Section 2: Public Involvement / Participation	3
Section 3: Illicit Discharge Detection and Elimination	4
Section 4: Construction Site Stormwater Runoff Control	5
Section 5: Post Construction Site Runoff Control	6
Section 6: Pollution Prevention / Good Housekeeping.....	7
3.0 Monitoring Data.....	8
4.0 Summary of Planned Stormwater Activities During the Next Reporting Cycle	8
5.0 Changes In Any Identified Measurable Goals or Implementation Dates	8

APPENDICES

Appendix I: STORMWATER MONITORING REPORTS

1.0 History

The Town of Seymour began working on a stormwater plan during the winter of 2002/2003 to meet a projected implementation date of April 2003. The Town worked with Nafis & Young Engineers, Inc. (NYE) in developing and writing this plan. The Town completed a draft plan after receiving a final copy of the CTDEP general permit requirements on January 9, 2004. The "State of Connecticut Department of Transportation Draft Stormwater Management Plan" was used as an outline for the Town's plan.

In 2004 the written plan was then given to the appropriate personnel within the Town of Seymour's Conservation Commission, Inland Wetlands Agency, Planning & Zoning Commission and Public Works, the town posted a legal notice in both the Town Hall and the Public Library to inform the public that a copy of the plan was available in the Town Library for review by residents. The town did not receive any comments from the public.

In early 2005 the final draft of the plan was completed and is now available at the both the Town Hall and Public Library. In 2005 the Council of Governments of the Central Naugatuck Valley (COGNAV) arranged with TeleMedia Cable to air an EPA video on local public access television entitled *After the Rain* on two nights in December. A brochure created in conjunction with the Seymour Conservation Commission/Inland Wetlands Agency that details the importance of storm water quality and the impact on the environment was distributed at the Town Hall and the Town Library. The Town also posted a poster in the Public Works garage and Town Hall to promote public awareness best management practices of storm water management during construction.

NYE has conducted three annual stormwater sampling events starting in the summer of 2004. Samples of six representative outfalls, two industrial, two commercial and two residential were taken on July 13, 2004, September 15, 2005 and on July 28, 2006 and July 19, 2007.

The Town purchased a handheld GPS/PDA system for mapping its stormwater outfalls and the required software to manage the collected data. The Town Engineer's department is currently mapping the town outfalls and will turn over to the GPS/PDA and software to the Town's Public Works Department for future use and maintenance in the near future. The final maps will be posted in the Public Works Department when it has been completed.

The Town Public Works department has initiated the storm drain-marking program with the initial labels being provided by the CTDEP Office of Long Island Sound Programs. The town intends to move forward with the Public Works department labeling the catch basins.

At this time, the town is awaiting any comments from the DEP concerning the Town's Draft Stormwater Management Plan. This annual report is based upon the draft plan currently under review. Any changes made to the Town's plan as a result of requests or comments by the DEP will be reflected in subsequent annual reports.

2.0 Compliance

Many of the Town's goals for the fourth year of the permit were to continue building a foundation for further implementation of the Stormwater Management Plan. Many procedures already being followed by the Town such as Planning and Zoning and Inland Wetland enforcement inspections. Construction plan reviews have included reviewing stormwater management and erosion controls and the town will continue these procedures while looking at ways to improve their effectiveness. A large share of the effort was directed towards the education of Town officials and employees with regards to their role within the General Permit. The Best Management Practices (BMPs) chosen by the Town are addressed below:

Section 1: Public Education and Outreach

1. Brochures / Fact Sheets

Goal: Display and Distribute Brochures

The finished brochure was distributed at a Conservation Commission and Inland Wetlands Commission meeting in early 2005. It was approved for publication and was distributed at the Town Hall and the Library.

In 2006 the Seymour Conservation Commission distributed 2000 pamphlets to each family through the Town's local school system. An additional 500 pamphlets were given to the Town's Building Inspector to be given out with every permit application package. The Seymour Town Clerks office received 200 pamphlets for distribution.

The Housatonic Valley Association presented a water quality program to elementary and middle school children that was well received by all participants.

The Housatonic Valley Association Published a brochure/poster "Welcome to the Housatonic River Estuary" which discusses the Housatonic River Estuary and important facts about stormwater pollution runoff and other issues of concern which ties into the outreach for the Town as this river forms the southwestern border of the Town. This association also sponsored a Naugatuck River cleanup in September 2006, which will work to improve conditions along this river, which passes through the town.

In 2007 no additional materials were introduced.

2. Alternative Information Sources

Goal: Develop web site, display poster for Town, and Public Service Announcement (PSA) for local television.

The web site is still in the development stage. The poster has been displayed at the Town Hall and the Public Works Garage. In December of 2005, the local cable company aired an EPA video entitled *After the Rain* on two nights.

3. Library of Educational Materials

Goal: Make information available to town employees and the community

A library of educational materials is being developed and maintained at the CTDOT headquarters. As these materials are made available to the various towns in the state, materials will be procured for the various town departments as a reference for stormwater management issues.

Information on Internet websites (USEPA, CTDEP) has also been used for reference and ideas.

4. Storm Drain / Marking Stenciling

Goal: The Town applied to CTDEP for the drain-marking kit and received some labels for this purpose. In summer 2006 the town of Seymour's public works department was given the assignment of storm drain marking and began marking storm drains in the Great Hill section of town. The Town has slowed down with very little marking preformed in 2007. Brochures will be distributed to the local street residences as the labeling occurs on their respective streets.

5. Watercourse Signage

Goal: Determine what watercourses and how best to expand CTDOT tributary signage program

The CTDOT already maintains signage for certain watercourses within the Town. Officials from the Town are currently looking for areas within the Town to expand this program.

Section 2: Public Involvement / Participation

1. Presentation of Draft SWMP

Goal: SWMP

The final SWMP was completed in February 2005 and was made available to certain officials within the Town. It was also made available for review by the public after the posting of a public notice in the local newspaper.

2. Public Information Meetings

Goal: Brochures distributed

A brochure has been created and distributed by the Conservation Commission and is available at the Town Hall and Public Library.

3. Storm Drain / Marking Stenciling
Goal: The Town implemented this program in late 2006 and the town's Public Works Department is assigned this task and is slowly continuing with the program.
4. Lake and Watershed Associations / Authorities
Goal: Identify all local watershed Associations / Authorities and meet with representatives of all local groups

One of the leading association is the Housatonic Valley Association which is actively working programs that effect both the Housatonic and Naugatuck Rivers benefiting the Town of Seymour in the areas were these rivers flow through or along the Town borders.

Other water associations and authorities are being contacted to see how their resources could best benefit the Town on these issues.

Section 3: Illicit Discharge Detection and Elimination

1. Town Policy Regarding Non-Stormwater Discharges
Goal: Implement Policy

A policy is already in place to identify the source and eliminate any illicit discharges. A draft ordinance was given to the Town's Board of Selectmen in late summer 2006 for review and future implementation. It is still under review. The Town has not taken any action on passing this Ordinance in 2007.

2. Storm Sewer Map(s)
Goal: Mapping outfalls

The Town purchased its Global Positioning System (GPS), PDA and associated software with the help of the Town's Conservation Commission. The Town's Engineering department has started to map all the outfalls in the "urbanized" area of the Town and will need to continue this effort in 2008.

3. Illicit Discharge and Elimination Program
Goal: Select outfalls to be tested; begin outfall monitoring.

Working with NYE, the Town selected six outfalls (two residential, two industrial, and two commercial) to be sampled and tested. These six outfalls were sampled according to the DEP's requirements during the past summer and the results are included in this report.

4. Future Illicit Discharge Detection and Elimination
Goal: Detect and address future non-stormwater discharges

The Town during the mapping process reviews each outfall and collects data on the condition of the stormwater discharges as observed. This information is being reviewed and the Town will investigate any suspect reports of illicit discharges.

The Town has written an Illicit Discharge Detection and Elimination Plan for distribution and training purposes.

Section 4: Construction Site Stormwater Runoff Control

1. Requirements and Guidelines for Erosion and Sediment Controls

Goal: To protect the town's surface water resources during construction activities greater than 1 acre in size.

A draft ordinance was given to the Town's Board of Selectmen in late summer 2006 for review and future implementation. The Town has not taken any action on this passing this Ordinance in 2007.

The Town has stepped up both its initial review of any new or proposed construction projects and continues enforcement inspections of active projects to ensure erosion and sediment controls are in accordance with all local, state and federal regulations.

2. Procedures for Notifying Construction Site Developers and Operators of Requirements for Registration

Goal: Implement registration requirements for all projects exceeding the 1-acre threshold

The Town currently complies with all requirements of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities.

3. Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices

Goal: Continue requirements for construction site operators to implement appropriate erosion and sediment control best management practices

Planning & Zoning and Inland Wetland Agency enforcement inspections currently ensure that all applicable regulations concerning the use of erosion and sediment control measures are followed.

4. Requirements for Construction Site Operators to Control Waste at the Site

Goal: Continue requirements for construction site operators to control waste at the site

Planning & Zoning and Inland Wetland Agency enforcement inspections currently ensure that all applicable regulations concerning waste control are followed.

5. Procedures for Site Plan Review

Goal: Continue site plan review procedures

The Town Engineer reviews all site plans for conformance to the Town's, state and federal requirements relating to construction site runoff control.

6. Procedures for Receipt and Consideration of Information Submitted by the Public

Goal: Continue procedures for receipt and consideration of information submitted by the public.

Information submitted by the public is forwarded to the appropriate Town department for consideration.

7. Procedures for Site Inspection and Enforcement of Control Measures

Goal: Continue site inspection and enforcement of control measures

Site inspection and enforcement of control measures are utilized on all of the Town's projects.

Section 5: Post Construction Site Runoff Control

1. Requirements for Structural and Non-Structural BMPs

Goal: Continue implementation of BMPs including projects with greater than or equal to 1- acre in disturbance area

The Town Engineer currently reviews plans to evaluate stormwater discharges and the methods that may be used for the treatment of stormwater before it reaches an outlet.

2. Procedures for Addressing Post Construction Runoff from Construction and Reconstruction Projects

Goal: Continue procedures for addressing post construction runoff from construction and reconstruction projects with greater than or equal to 1-acre in disturbance area

An internal memorandum issued to all Town departments requires stormwater management BMPs for all projects.

3. Ensuring Long Term Operation and Maintenance of Best Management Practices

Goal: Continue operation and maintenance of BMPs

The Public Works Department is responsible for the long-term operation and maintenance of the Town's facilities.

Section 6: Pollution Prevention / Good Housekeeping

1. Operation and Maintenance Program

Goal: Implement operation and maintenance requirements

The Town is continuing to identify the specifics of the training, record keeping, internal reporting, and maintenance that will be required as part of operation and maintenance plan related to stormwater management.

2. Employee Training Program

Goal: Develop employee training curriculum

The Town Engineer has developed curriculum for training the subject material and will continue to conduct classes with those individuals that require training.

3. Street Sweeping Program

Goal: Implement street sweeping requirements.

The Public Works Department swept 100% of the Town's roadways and parking lots during the past year (2007).

4. Catch Basin Maintenance Program

Goal: Implement catch basin maintenance requirements

The Town's Public Works Department cleaned three hundred and one (301) catch basins on Forty-four (44) streets in the Town in 2007. This exceeded the Town's plan to clean 25% of the catch basins each year.

5. Preventative Maintenance Program

Goal: Implement preventative maintenance requirements

The Town conducts inspections as a part of new construction /reconstruction projects to identify existing drainage facilities that may be in need of repair or inadequate.

In 2007 the Town's Public Works department rebuilt or repaired two catch basins, installed 200 linear feet of new drainage pipe and installed two new catch basins with portions of this new drainage pipe.

3.0 Monitoring Data

Monitoring data for the 2007 year is included in Appendix I.

4.0 Summary of Planned Stormwater Activities During the Next Reporting Cycle

Continued growth within the Town is being undertaken with an eye towards improving stormwater management. Developers who are working in areas where the existing stormwater infrastructure is not able to meet the needs of their planned construction are required to install or upgrade the stormwater infrastructure as part of their development. The Public Works Department will continue its Preventative Maintenance Program. The Town Engineer will continue to map of the remainder of the Town's outfalls. The proposed changes in ordinances or regulations as required by the General Permit will be presented to the Town's commissions for review. Training will start in the early spring.

5.0 Changes In Any Identified Measurable Goals or Implementation Dates

The Town will continue to work towards meeting all of the deadlines as specified in the Stormwater Management Plan. Any delays in meeting the requirements of the plan will be identified and fixed within the constraints of the workloads of the various Town Departments and the Town budget.

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

Signature of CEO/PEO or designee

Date: _____

Robert J. Koskelowski
Name of CEO/PEO or designee

First Selectman
Title

Prepared By:
Nafis and Young Engineers, Inc.

Signature of Preparer

Date: _____

Lawrence K. Secor, CHMM
Name of Preparer

Senior Environmental Project Manager
Title

APPENDIX I

STORMWATER MONITORING REPORTS