

Appendix A
Copy of Permit
General Permit Fact Sheet

Stormwater Management Plan Update
Wolcott, CT

LIST OF APPENDICES

- A. Copy of Permit
 - B. Stormwater Management Plan 2004
 - C. Mad River Watershed Summary
 - D. NEMO Public Educating Materials
 - E. Model Illicit Discharge Deletion and Elimination Ordinance
 - F. Annual Wet Weather Stormwater Sampling Results
 - G. O&M Plans for Basins and Swales
-



STATE OF CONNECTICUT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 Central Permit Processing Unit
 79 Elm Street
 Hartford, CT 06106-5127

COPY

DEP USE ONLY

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

Part I: Applicant Information

Applicant: **Town of Wolcott**

Mailing Address: **10 Kenea Avenue**

City/Town: **Wolcott**

State: **CT** Zip Code: **06716**

Business Phone: **203-879-8100**

ext.: **102**

Fax: **203-879-1542**

Contact Person: **Mayor Thomas G. Dunn**

Phone: **203-879-8100**

ext. **102**

Applicant (check one): individual company federal gov't state agency municipality

If a Company, list company type (e.g., corporation, limited partnership, etc.):

Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.

Please provide the following information to be used for *billing purposes only*, if different:

Company/Individual Name:

Mailing Address:

City/Town:

State:

Zip Code:

Contact Person:

Phone:

ext.

Part II: Project Information

Brief Description of Project: *(Example: Development of a 50 slip marina on Long Island Sound)*

MS4 Town Wide Stormwater Discharge

Location (City/Town):

Other Project Related Permits (*not* included with this form):

Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #

Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original Required Copies
	AIR EMISSIONS				
	New Source Review	\$750.00			1 + 0
	Title V Operating Permits	none			1 + 0
	WATER DISCHARGES				
	To Groundwater	\$1050.00			1 + 1
	To Sanitary Sewer (POTW)	\$1050.00			1 + 1
	To Surface Water (NPDES)	\$1050.00			1 + 2
	INLAND WATER RESOURCES				
	Dam Construction	none			1 + 2
	Flood Management Certification	none			1 + 1
	Inland 401 Water Quality Certification	none			1 + 5
	Inland Wetlands and Watercourses	none			
	Stream Channel Encroachment Lines	★			
	Water Diversion	★			1 + 5
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Certificate of Permission	\$400.00			1 + 2
	Coastal 401 Water Quality Certification	none			1 + 3
	Structures and Dredging/Tidal Wetlands	\$525.00			1 + 3
	WASTE MANAGEMENT				
	Aerial Pesticide Application	★			1 + 2
	Aquatic Pesticide Application	\$100.00			1 + 0
	CGS Section 22a-454 Waste Facilities	★			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Marine Terminal License	\$125.00			1 + 0
	RCRA Closure Plan	\$3750.00			1 + 0
	RCRA Post Closure	\$3750.00			1 + 0
	Solid Waste Facilities	★			1 + 2
	Waste Transportation	★			1 + 0
		Subtotal →			
GENERAL PERMITS and AUTHORIZATIONS		Subtotals Page 3	1	\$250.00	
Enter subtotals from Part IV, pages 3 & 4 of this form		Subtotals Page 4			
→ TOTAL			1	\$250.00	
<input type="checkbox"/> Indicate whether municipal discount or state waiver applies. Less Applicable Discount					
AMOUNT REMITTED →				\$250.00	
Check #	028371	Check or money order should be made payable to: "Department of Environmental Protection"			

★ See fee schedule on individual application.

**Part IV: General Permit Registrations and Requests for Other Authorizations
Application and Fee Information**

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
AIR EMISSIONS				
<input type="checkbox"/> Construct and/or Operate a New or Existing Emergency Engine	\$500.00			1 + 0
<input type="checkbox"/> Construct and/or Operate a New or Existing Phase I Distributed Generation Engine	\$500.00			1 + 0
<input type="checkbox"/> Construct and/or Operate a New or Existing Surface Coating Operation	\$500.00			1 + 0
<input type="checkbox"/> Limit Potential to Emit from Major Stationary Sources of Air Pollution	\$1000.00			1 + 0
<input type="checkbox"/> Emergency Authorization	★★			★★
<input type="checkbox"/> Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
WATER DISCHARGES				
<input type="checkbox"/> Domestic Sewage	\$500.00			1 + 0
<input type="checkbox"/> Food Processing Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Groundwater Remediation Wastewater to a Sanitary Sewer	\$500.00			1 + 0
<input type="checkbox"/> Hydrostatic Pressure Testing	\$500.00			1 + 0
<input type="checkbox"/> Hydrostatic Pressure Testing (Natural Gas Pipelines)	\$1000.00			1 + 1
<input type="checkbox"/> Minor Non-Contact Cooling and Heat Pump Water	\$500.00			1 + 1
<input type="checkbox"/> Minor Photographic Processing	\$100.00			1 + 0
<input type="checkbox"/> Minor Printing & Publishing Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Minor Tumbling or Cleaning of Parts Wastewater	\$1000.00			1 + 1
<input type="checkbox"/> Miscellaneous Discharges of Sewer Compatible Wastewater Flow < 5,000 gpd and fire sprinkler system testwater	\$500.00			1 + 1
<input type="checkbox"/> Flow > 5,000 gpd	\$1000.00			
<input type="checkbox"/> Stormwater Associated with Commercial Activities	\$500.00			1 + 0
<input type="checkbox"/> Stormwater Associated with Industrial Activities	\$500.00			1 + 0
<input type="checkbox"/> Stormwater & Dewatering Wastewaters-Construction Activities 5 - 10 acres	\$500.00			1 + 0
<input type="checkbox"/> > 10 acres	\$1000.00			
<input type="checkbox"/> Swimming Pool Wastewater - Public Pools and Contractors	\$500.00			1 + 0
<input type="checkbox"/> Vehicle Maintenance Wastewater Registration Only	\$500.00			1 + 0
<input type="checkbox"/> Approval of Registration by DEP	\$1000.00			
<input type="checkbox"/> Water Treatment Wastewater	\$500.00			1 + 0
<input type="checkbox"/> Emergency Authorization - Discharge to POTW	\$375.00			1 + 0
<input type="checkbox"/> Emergency Authorization - Discharge to Surface Water	\$750.00			1 + 0
<input type="checkbox"/> Temporary Authorization - Discharge to POTW	\$375.00			1 + 0
<input type="checkbox"/> Temporary Authorization - Discharge to Surface Water	\$750.00			1 + 0
<input type="checkbox"/> Other, (please specify): MS4 Permit	\$250.00			
Note: Carry subtotals over to Part III, page 2 of this form. Subtotal		1	\$250.00	

★★ Contact the specific permit program for this information (Contact numbers are provided in the instructions).

**Part IV: General Permit Registrations and Requests for Other Authorizations
Application and Fee Information (continued)**

<input checked="" type="checkbox"/> General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
INLAND WATER RESOURCES				
<input type="checkbox"/> Dam Safety Repair and Alteration	\$1000.00			1 + 2
<input type="checkbox"/> Diversion of Water for Consumptive Use	★			1 + 2
<input type="checkbox"/> Habitat Conservation	\$1000.00			1 + 2
<input type="checkbox"/> Lake, Pond and Basin Dredging	\$1000.00			1 + 2
<input type="checkbox"/> Minor Grading	\$1000.00			1 + 2
<input type="checkbox"/> Minor Structures	\$1000.00			1 + 2
<input type="checkbox"/> Utilities and Drainage	\$1000.00			1 + 2
<input type="checkbox"/> Emergency Authorization	★★			★★
<input type="checkbox"/> Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
<input type="checkbox"/> 4/40 Docks	\$700.00			1 + 0
<input type="checkbox"/> Non-harbor Moorings	\$100.00			1 + 0
<input type="checkbox"/> Osprey Platforms and Perch Poles	none			1 + 0
<input type="checkbox"/> Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	\$100.00			1 + 0
<input type="checkbox"/> Remedial Activities Required by Order	\$700.00			1 + 0
<input type="checkbox"/> Residential Flood Hazard Mitigation	\$100.00			1 + 0
<input type="checkbox"/> Swim Floats	\$100.00			1 + 0
<input type="checkbox"/> Emergency Authorization	★★			★★
<input type="checkbox"/> Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
WASTE MANAGEMENT				
<input type="checkbox"/> Addition of Grass Clippings at Registered Leaf Composting Facilities	\$500.00			1 + 0
<input type="checkbox"/> Asbestos Disposal Authorization	\$240.00			1 + 0
<input type="checkbox"/> Construct and Operate Paint and Stain Bulking Facilities	\$500.00			1 + 0
<input type="checkbox"/> Construct and Operate Paint and Stain Drop Facilities	\$200.00			1 + 0
<input type="checkbox"/> Drop-site Recycling Facility	\$200.00			1 + 0
<input type="checkbox"/> Leaf Composting Facility	none			1 + 1
<input type="checkbox"/> Limited Processing Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> One Day Collection of Household Hazardous Waste and Hazardous Waste from Certain Generators	\$500.00			1 + 0
<input type="checkbox"/> Recyclables Transfer Facility	\$500.00			1 + 0
<input type="checkbox"/> Single Item Recycling Facility	\$500.00			1 + 0
<input type="checkbox"/> Special Waste Authorization	\$525.00			1 + 0
<input type="checkbox"/> Emergency Authorization	★★			★★
<input type="checkbox"/> Temporary Authorization	★★			★★
<input type="checkbox"/> Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form.		Subtotal		

- ★ See fee schedule on application.
- ★★ Contact the specific permit program for this information (Contact numbers are provided in the instructions).



Part A - General Permit Registration Form for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)

Please complete this form in accordance with the general permit (DEP-PED-GP-021) in order to ensure the proper handling of your registration. Print or type unless otherwise noted. You must submit the *Permit Application Transmittal Form* (DEP-APP-001) and the registration fee along with this form.

DEP USE ONLY	
Application No.	_____
Permit No.	_____
Town I.D.	_____

Part I: Registration Type

Check the appropriate box identifying the registration type.

<p>This registration is for (check one):</p> <p><input checked="" type="checkbox"/> A <i>new</i> registration</p> <p><input type="checkbox"/> A <i>modification</i> of an existing registration</p>	<p>Please identify any previous or existing permit/authorization/registration number in the space provided.</p> <p>Existing permit or registration number:</p>
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Part II: Fee Information

A fee of \$250.00 is to be submitted with this registration. The registration will not be processed without the fee.
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Part III: Registrant Information

1. Name of Town/City: Town of Wolcott			
Name of Chief Elected Official (CEO) or Principal Executive Officer (PEO):			
Thomas G. Dunn		Title: Mayor	
Mailing Address: 10 Kenea Avenue			
City/Town: Wolcott	State: CT	Zip Code: 06716	
Business Phone: 203-879-8100	ext. 101	Fax: 203-879-1542	
Contact Person:	Title:		
<input checked="" type="checkbox"/> Check here if there are adjacent towns or other entities with which you will be coordinating implementation of your Stormwater Management Plan for a portion of your MS4 (See Section 6(b)(3) of the general permit). If so, label and attach additional sheet(s) with the required information as supplied above.			
2. List primary contact for departmental correspondence and inquiries, if different than the CEO/PEO			
Name:			
Mailing Address:			
City/Town:	State:	Zip Code:	
Business Phone:	ext.	Fax:	
E-Mail:			
Contact Person:	Title:		

Part III: Registrant Information (cont.)

3. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the registration.

Check here if additional sheets are necessary, and label and attach them to this sheet.

Name: **Mark J. Pronovost**

Mailing Address: **10 Kenea Avenue**

City/Town: **Wolcott**

State: **CT**

Zip Code: **06716**

Business Phone: **203-879-8100**

ext. **136**

Fax: **203-879-8105**

E-Mail:

Contact Person:

Title:

Service Provided:

Part IV: Watershed Information

Watershed information is available at the local libraries through the Atlas of Public Water Supply Drainage Basins.

Complete the following for each receiving stream, watershed or waterbody to which the MS4 discharges.

1. Name of receiving stream, watershed or waterbody: **Mad River**

Drainage basin number: **6914**

2. Name of receiving stream, watershed or waterbody: **Hancock Brook**

Drainage basin number: **6911**

3. Name of receiving stream, watershed or waterbody: **Pequabuck River**

Drainage basin number: **4315**

4. Name of receiving stream, watershed or waterbody: **Eight Mile Brook**

Drainage basin number: **5201**

5. Name of receiving stream, watershed or waterbody: **Ten Mile Brook**

Drainage basin number: **5202**

6. Name of receiving stream, watershed or waterbody: **Beaver Pond Brook**

Drainage basin number: **6913**

Check here if there are more receiving watersheds and attach an additional sheet listing them with the required information as supplied above.

Part V: Supporting Documents

Check the box as verification that an 8 ½" X 11" copy of the relevant portion of a USGS Quadrangle Map indicating the town/city boundaries and limits of its separate storm sewer system(s) has been submitted with this registration. Indicate the quadrangle name on the map, and be sure to include the name of the town/city. (A copy of the relevant USGS Quadrangle Map may be available at your town hall or by calling DEP Maps and Publications Sales at 860-424-3555.)

Part VI: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

"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.

I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text."



Signature of CEO/PEO or designee
[as specified in RCSA Section 22a-430-3(b)(2)(B)]

Date

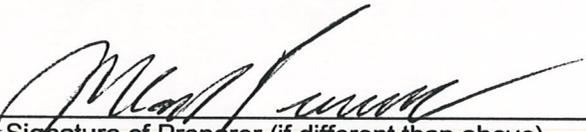
3-25-04

Thomas G. Dunn

Name of CEO/PEO or designee (print or type)

Mayor

Title (if applicable)



Signature of Preparer (if different than above)

Date

3-25-2004

Mark J. Pronovost

Name of Preparer (print or type)

Town Engineer

Title (if applicable)

Check here if additional signatures are necessary.
If so, please reproduce this sheet and attach signed copies to this sheet.

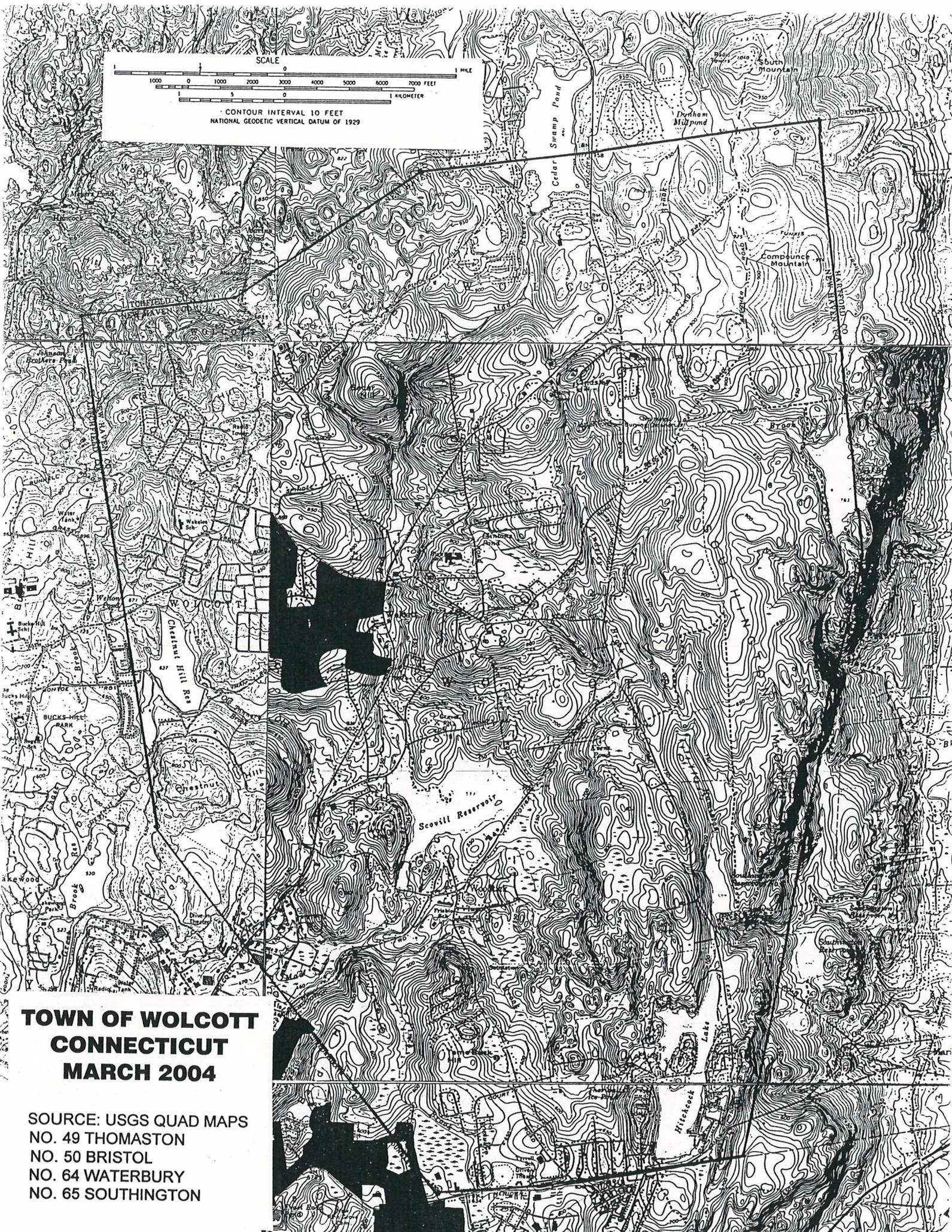
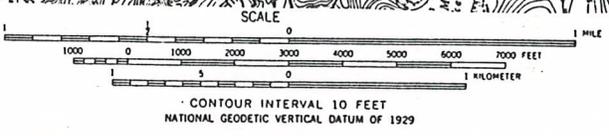
Note: Please submit the Permit Application Transmittal Form, Registration Form, Fee, and USGS Quadrangle Map to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Part IV: Watershed Information

7. Name of receiving stream, watershed or waterbody: Naugatuck River

Drainage basis number: 6900



**TOWN OF WOLCOTT
CONNECTICUT
MARCH 2004**

SOURCE: USGS QUAD MAPS
NO. 49 THOMASTON
NO. 50 BRISTOL
NO. 64 WATERBURY
NO. 65 SOUTHINGTON

FD-44 (REV. 10-1-95) BUSINESS FORMS 1-1100-10-10-0004 D0452000.FDB

ACCOUNTS PAYABLE	TREASURER	FIRST UNION NATIONAL BANK WOLCOTT, CT 06716	51-110-211
028371	TOWN OF WOLCOTT 10 KENEA AVE. WOLCOTT, CONNECTICUT 06716		NOT VALID AFTER 90 DAYS
CHECK NO. 28371	DATE 03/25/2004	CHECK AMOUNT \$ *****250.00	
PAY TO THE ORDER OF	*** TWO HUNDRED FIFTY DOLLARS AND 00 CENTS ***		
	DEPT. OF ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD CT 06106-5127		MAYOR
		COUNTERSIGNED	TOWN TREASURER

⑈00028371⑈ ⑆021101108⑆ 2030000855139⑈



GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS REISSUANCE WITH MODIFICATIONS

FACT SHEET

General Permit Background:

The DEEP stormwater general permit program was developed pursuant to EPA's Stormwater Rule and Connecticut's stormwater permits are issued under the authority of the National Pollutant Discharge Elimination System (NPDES) and Connecticut General Statutes Section 22a-430 and 22a-430b. Phase I of the EPA Stormwater Rule was published in 1990 and addressed runoff from medium and large municipal separate storm sewer systems (MS4s) with populations greater than 100,000 as well as runoff from industrial and construction activities. Phase II of the Stormwater Rule was published in 1999 and addressed runoff from small MS4s with populations less than 100,000.

The DEEP first issued the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4 general permit) on January 9, 2004 under this Phase II rule. The general permit has been reissued, without modifications, since 2004. The purpose of the MS4 general permit is to protect waters of the state from urban stormwater runoff through municipal separate storm sewer systems. EPA defines a regulated small MS4 as a municipality that owns and operates a storm sewer system in an Urbanized Area (UA). Urbanized Areas are defined by the federal Census Bureau and consist of densely populated areas surrounding urban centers. The criteria for designating UAs are developed by the Census Bureau and maps of UAs are published after each decennial census. The original maps governing the 2004 general permit were based on the 2000 census. The most recent maps reflect the results of the 2010 census. EPA does not require coverage of municipalities outside of Urbanized Areas but allows the permitting authority (DEEP) to designate additional MS4s outside of Urbanized Areas. There are 113 MS4s, regulated by virtue of having Urbanized Areas, authorized under the current general permit.

The requirements of the current general permit include registration to obtain permit coverage, development and implementation of a Stormwater Management Plan and monitoring of six stormwater outfalls once a year during a rain storm. The Stormwater Management Plan is the cornerstone of the MS4 general permit. It is a document prepared by the MS4 that contains information on its stormwater and municipal infrastructure along with Best Management Practices (BMPs) to reduce and/or eliminate the discharge of pollutants through the storm sewer system to the Maximum Extent Practicable (MEP). MEP is the standard promulgated in EPA's Phase II rule that MS4s are required to meet. The definition of MEP is "to reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice." EPA states that the

MEP standard for MS4 discharges is an “iterative process consisting of a municipality developing a program consistent with specific permit requirements, implementing the program, evaluating the effectiveness of BMPs included as part of the program, then revising those parts of the program that are not effective at controlling pollutants, then implementing the revisions, and evaluating again.” This process continues until the goal of meeting water quality requirements is achieved.

The BMPs in the Stormwater Management Plan are organized into six categories of Minimum Control Measures: public education and outreach; public participation; illicit discharge detection and elimination (IDDE); construction stormwater management; post-construction stormwater management; and pollution prevention and good housekeeping. Each of these categories includes several BMPs to implement the control measure. Certain BMPs are required and the permit provides for additional BMPs to be implemented, as necessary to address pollution, at the discretion of the MS4.

The new MS4 general permit provides significantly more detail on the requirements and implementation of the six Minimum Control Measures as well as expanding certain requirements. A summary of the more significant modifications follows.

Changes in Coverage:

The original Phase II Stormwater Rule required general permit coverage for MS4s with Urbanized Areas based on *the most recent decennial census*. The 113 MS4s currently covered by the current general permit were determined using the 2000 census, which was the most recent at the time of issuance. Based on the 2010 census, the new general permit will add 8 more towns (Brooklyn, Haddam, Killingly, Mansfield, New Hartford, Plainfield, Sprague and Willington) to this list. The Phase II Stormwater Rule also required coverage of state and federal institutions that it called “non-traditional” MS4s. The new MS4 general permit now includes these institutions such as state and federal prisons, colleges, hospitals and military facilities as MS4s covered by the general permit. Compliance timelines for most elements of the six Minimum Control Measures allow for more time for these new MS4 permittees (institutions and 8 new towns) to comply.

The current MS4 general permit requires implementation of the six Minimum Control Measures throughout the municipality with some additional or alternate measures within the UA portion of the MS4. Under the new MS4 general permit many measures are required only within the UA and those areas outside the UA that discharge to impaired waters or from areas with Directly Connected Impervious Area (DCIA) exceeding eleven percent (11%). The general permit refers to these areas as “priority areas”.

Public Education and Outreach:

This minimum measure is substantially similar to the current permit but provides more detail on the types of outreach required and the means of conducting the outreach. It specifies outreach targeting pet waste, application of fertilizers, herbicides, and pesticides, and impacts of illicit discharges and improper disposal of waste into the MS4. Outreach materials can be developed or acquired from various sources such as governmental agencies, academia, and/or environmental advocacy organizations and can be disseminated in numerous ways such as flyers,

brochures, door hangers, television public service announcements, and web-based tools. This minimum measure also dictates a timeline for implementation of this program. In addition to these standard requirements, this measure includes additional targeted efforts to address water quality impairments.

Public Participation:

As with public education and outreach, this measure is not significantly different from the current general permit but the new general permit provides additional detail on the implementation of this requirement. It requires the MS4 to publish a public notice of the availability of its Stormwater Management Plan and Annual Report for public review. It recommends locations for the plan to be available such as the MS4's main office, a local library or other central publicly available location and also a URL where the information may be accessed electronically. This measure requires a minimum of a 45 day comment period to solicit and receive public comment on the Annual Report. The MS4 is also encouraged to enlist local organizations to help implement the elements of its Stormwater Management Plan.

Illicit Discharge Detection and Elimination (IDDE):

This section addresses how the MS4 identifies, traces and eliminates non-stormwater discharges to its storm sewer system from sources such as sanitary sewer cross-connections, illegal dumping, industrial and commercial wastes, floor drains, animal wastes, lawn management chemicals and wastes. While the overall requirements of this section remain similar to the current general permit, the new general permit provides considerably more detail regarding the legal authorities that are required to implement the IDDE program, the protocol for actually performing the field work to detect and eliminate illicit discharges, mapping requirements, citizen reporting provisions and the timeframe for IDDE program completion. The requirements of this measure are mandated only in the priority areas. The new general permit also contains new requirements for record keeping to document the progress of the IDDE program. In addition to these standard requirements, this measure includes additional targeted efforts to address water quality impairments.

Construction Site Stormwater Runoff Control:

While containing all of the requirements of the current general permit, this section of the new general permit provides significantly more detail. A good deal of this detail is outlining the legal authorities the MS4 must develop to manage construction site runoff within its jurisdiction. Most of this legal authority will reside within the regulations and policies of the land-use commissions for the MS4. This section will require consistency with the Connecticut Stormwater Quality Manual in addition to the 2002 Guidelines for Soil Erosion and Sedimentation Control already referenced in the current permit. More detail is provided for construction review and inspection, notification of requirements of the DEEP construction general permit, public involvement and long-term maintenance of stormwater treatment ponds. There is also new language requiring the MS4 to develop a plan outlining how all MS4 departments and boards with jurisdiction over land disturbance and development projects will coordinate their functions with one another.

Post-construction Stormwater Management:

The new general permit expands this section to require MS4s to update their land-use regulations to include Low Impact Development (LID) measures, post-construction stormwater retention and other elements of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective October 1, 2013 (construction general permit) in addressing applications for new development and redevelopment. In addition, the MS4 must develop a program to ensure the inspection and long-term maintenance of existing stormwater facilities under the jurisdiction of the MS4 as well as provide, through its land-use regulations, requirements for long-term maintenance of stormwater management measures in new applications for development. In addition to these standard requirements, this measure includes a requirement for the MS4 to map its DCIA. There are also targeted efforts, including prioritizing the use of retrofits, to address water quality impairments.

Pollution Prevention and Good Housekeeping:

This section of the new general permit expands on the requirements of the current general permit and provides additional details on the maintenance of the MS4's property and operations including parks and open space, employee training, the management of pet waste and waterfowl, buildings and facilities, vehicles and equipment, parking lots, snow management practices, street sweeping, leaf management and catch basin cleaning. In addition to these standard requirements, this measure includes a Retrofit Program requiring the reduction of DCIA within the MS4 by retrofits or stormwater retention practices for redevelopment projects. This section also allows and encourages the MS4 to coordinate with other interconnected MS4s and includes targeted efforts to address water quality impairments.

State and Federal Institutions:

As mentioned above, DEEP will now cover state and federal institutions under this general permit. In general, they will be subject to the same requirements as the municipal MS4s. However, in some cases where the BMPs for a particular minimum measure do not directly or easily apply to an institution, an exemption or alternate BMP is provided within the minimum measure.

Impaired Waters:

The DEEP is required by Section 303(d) the federal Clean Water Act to assess its water bodies to determine if they are impaired for a variety of uses and to develop a plan, called a Total Maximum Daily Load plan (TMDL), to eliminate the causes of these impairments and return these waters to designated uses. These water bodies are categorized as impaired waters. The new general permit expands significantly on the requirements of the current general permit regarding how an MS4 must address impaired waters within its boundaries. While there are numerous causes for impairments throughout the state, the majority of impairments (with or without TMDLs) for which stormwater is a potential source, are likely caused by phosphorus, nitrogen, and bacteria. In addition to these, sediment is another significant stormwater pollutant as it can impact water resources through sedimentation and carrying pollutants such as metals and nutrients bound to sediment. Each of the six Minimum Control Measures includes a section detailing which of the BMPs within the measure should receive particular focus and emphasis to address a given impairment. To further address how an MS4 deals with impaired waters, there

are specific monitoring requirements targeting these waters as well as measures to be implemented to address new or increased discharges to impaired waters.

Monitoring

The current MS4 general permit requires the monitoring of six (6) representative stormwater outfalls once a year during a rain storm. The new general permit will transition to outfall screening for discharges to impaired waters only, followed by representative outfall sampling in the last two years of the permit. The outfall screening will be conducted during a rain storm and will only include screening for nitrogen, phosphorus, bacteria or turbidity, dependent on the identified cause of the impairment. Outfalls that exceed certain thresholds will be targeted for follow-up investigation and increased or alternate BMPs within the outfall's drainage area.