



**Town of Old Saybrook, Connecticut**

**2015 Annual Report**

**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Permit Number GSM000078**



**General Permit for the Discharge of Stormwater from Small Municipal Separate Storm  
Sewer Systems**

**Stormwater Management Plan**

**2015 Annual Report**

**Town of Old Saybrook, Connecticut**

**Permit Number GSM000078**

**Chief Elected Official:**

First Selectman:	Carl P. Fortuna
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**MCM No. 5 and MCM No. 6 BMP Implementation:**

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**Stormwater Compliance:**

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**2015 Minimum Control Measure Summary**

The Town of Old Saybrook has several Qualifying Local Programs in most of the six Minimum Control Measures.

**Minimum Control Measure No. 1 - Public Education and Outreach**

The following information is available to the public on the Water Pollution Control Agency tab at [http://www.oldsaybrookct.org/Pages/OldSaybrookCT\\_WPCA/index](http://www.oldsaybrookct.org/Pages/OldSaybrookCT_WPCA/index) :

WPCA Official Site  
A Homeowner's Guide to Septic Systems  
The Rain Garden: A Runoff Solution

Ordinance #75: Management of On-Site Sewage Disposal Systems  
WPCA Official Site <http://www.oswpca.org/>  
Ordinances, Legal Docs, Statutes  
Ordinance 75  
Codified WWMD Ordinance: Chapter 173 Sewage Disposal Systems  
Septic Service Providers  
Septic System Information  
What Can I Do For My Beach?

Rain Garden: Runoff Solutions with the following links:

<http://www.raingardennetwork.com/>  
(Rain Garden Network)

<http://www.nemo.uconn.edu/raingardens/index.htm>  
(UConn Rain Garden Design)

<http://clear.uconn.edu/webinars/CLEARseries13/RGapp.htm>  
(UConn Rain Garden Design)

The following information is available to the public on the Town of Old Saybrook main page  
Boards & Commissions Inland Wetlands & Watercourses Commission tab:

State and Federal Links:

CTDEEP Inland Wetlands  
Army Corps CT PGP Permit  
Connecticut Association of Conservation and Inland Wetlands Commissions  
(CACIWC)  
ConnDOT - General Wetlands Information  
EPA Wetlands  
NRCS Web Soil Survey  
CT Statutes 22a Chapter 440 (Wetlands and Watercourses)

Additional Links of Interest

Society of Soil Scientists of Southern New England  
NEMO (Nonpoint Education for Municipal Officials)  
Low Impact Development (LID) Center  
LID Information from the National Association of Home Builders (NAHB)

Add a tab on the Town of Old Saybrook main page to connect the user to the RiverCOG website  
(<http://www.rivercog.org>).

Consider adding a stormwater link to the RiverCOG website so that member towns may utilize  
the RiverCOG website as a component of Minimum Control Measure No. 1 - Public Education  
and Outreach and Minimum Control Measure No. 2 - Public Participation/Involvement

compliance with the MS4 program. The stormwater link would serve as an extremely efficient outreach to the public.

The following information is available to the public on the RiverCOG website:

2015 Household Hazardous Waste Collection Schedule, Information and Dates  
Waste Management and Recycling  
Recycling List of Accepted Materials  
Consumer Electronics  
Transfer Stations

### **Minimum Control Measure No. 2 - Public Participation/Involvement**

The Town of Old Saybrook Adopted Waste Water Management Districts in August 2009.

Continued to involve Town residents in the Household Hazardous Waste, Electronics Collection, Recycling Program and the Bulky Waste Programs.

Continued to involve Town Residents in the Leaf Collection Program.

The Old Saybrook Land Trust sponsored a new nature club for Old Saybrook Grades K-9 children entitled Outdoor Education Kids which encourages children to connect with nature and of the fun of being outside.

The Old Saybrook Land Trust conducts Stewardship Work Parties on the third Saturday of every month.

### **Minimum Control Measure No. 3 - Illicit Discharge Detection and Elimination**

The majority of the MS4 outfall mapping for the entire town was conducted during the 2012 calendar year and a draft copy of the Stormwater Infrastructure Mapping Project was completed in August 2012.

An IDDE Ordinance was adopted by the Town Meeting of the Town of Old Saybrook on June 26, 2012.

IDDE measures implemented included repairs to failing subsurface sewage disposal systems by the Connecticut River Area Health District (CRAHD).

Continued to enforce the Animal Waste Ordinance.

Continued to maintain the WPCA five year septic tank pumpout program.

#### **Minimum Control Measure No. 4 - Construction Site Runoff Control**

Continued with the Qualifying Local Program with respect to Construction Site Runoff Control as contained in the land use regulations.

Continued to incorporate the *Aquifer Protection Area Regulations of the Town of Old Saybrook, Connecticut* into land use development applications. The regulations were developed by the Old Saybrook Aquifer Protection Agency of the Zoning Commission and were adopted and effective in January 2008.

#### **Minimum Control Measure No. 5 - Post-Construction Site Runoff Control**

Continued to make Design Engineers and Developers aware of stormwater quality management by referencing the CTDEP publication *2004 Connecticut Stormwater Quality Manual* as well as other low impact development best management practices.

Continued to encourage Design Engineers and Developers to utilize water quality basins, primary and secondary stormwater treatment practices and/or infiltration facilities for stormwater quantity and quality management, where appropriate.

#### **Minimum Control Measure No. 6 - Pollution Prevention/Good Housekeeping**

Larry Bonin, Director of Public Works was a graduate of the CT Technology Transfer Center Connecticut Transportation Leadership Program in 2014.

Two employees from the Department of Public Works will be attending the Road Master Program of the CT Technology Transfer Center in 2015. To graduate from the Road Master Program the participants must attend each of the seven required workshops. One of the seven workshops is entitled *Planning and Managing Local Road Snow and Ice Control Activities*.

Road deicing consists of a mixture of one part sand to one part salt (sodium chloride). Mixing is done on a bituminous concrete pavement surface in front of the building with a front end loader and the deicing mixture is stored in a roofed storage shed with a concrete floor and no floor drains.

The road deicing mixture is spread with nine snow plow/spreaders. Four of the snow plow/spreaders were purchased new in the late 2000s and were equipped with Epoke Sirius Combination Bulk Spreaders with a ground speed related delivery of deicing material to the spreader disc. The automated road deicing mixture application allows the road deicing mixture to be uniformly applied at a minimum rate of 100 pounds per lane mile to a maximum of 900 pounds per lane mile. The road deicing mixture application rate is storm dependent and typically ranges from a minimum application rate of 150 pounds per lane mile to a maximum application rate of 300 pounds per lane mile. The other five snow plow/spreaders have been retrofitted with the Epoke Sirius Combination Bulk Spreader.

The Department of Public Works has experienced a noticeable reduction in sand and salt costs as opposed to the older manually operated deicing material spreading method.

Road sweeping of all municipal roads was completed every year with a town owned Gradall Industries, Inc. VACALL™ AllSweep High-Performance Sweep / Vacuum Truck.

Road sweeping typically began in April and was typically completed approximately five to six weeks later. Roads that were more prone to sediment or debris accumulations (low points and/or sag vertical curves) were swept at least twice. Main Street, despite the fact it is a State owned road and Elm Street are typically swept three times per year as the streets are the main parade route.

Vactored approximately 95 percent of approximately 850 municipal catch basins and storm manholes a town owned Gradall Industries, Inc. VACALL™ AllSweep High-Performance Sweep / Vacuum Truck. The municipal catch basins and storm manholes are vactored after the road sweeping is completed.

Continued with developing and implementing an operation and maintenance program that included a training component for municipal employees and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

### **Stormwater Sampling**

One round of six stormwater samples were obtained from two (2) commercial zone MS4 outfalls, two (2) industrial zone MS4 outfalls and two (2) residential zone MS4 outfalls by Eastern Analytical Laboratory on December 22, 2015 to fulfill the stormwater sampling requirements for the 2015 calendar year.

The MS4 outfalls are further detailed as follows:

Zone B-2      Commercial      N 41.29150°    W -72.38820°  
Outfall to Tidal Wetlands  
Drainage Basin No. 5101 - Oyster River

Zone B-4      Commercial      N 41.28653°    W -72.41131°  
Culvert on Boston Post Road and Center Road  
Drainage Basin No. 5000 - South Central Shoreline

Zone I-1      Industrial      N 41.30220°    W -72.38420°  
Mill Rock Road East at Mill Meadow Pond  
Drainage Basin No. 5101 - Oyster River

Zone I-1      Industrial      N 41.28998°    W -72.39837°  
Donnelly Road Parking Lot Easterly Pond Outfall  
Drainage Basin No. 5101 - Oyster River

Zone A          Residential          N 41.27930°   W -72.41523°  
North of Beach Road West of Westview  
Drainage Basin No. 5000 - South Central Shoreline

Zone AA        Residential          N 41.29930°   W -72.41650°  
East of School House Road North of Park  
Drainage Basin No. 5101 - Oyster River

Rainfall from the December 22, 2015 precipitation event was reported to be 0.12" at the Hartford Bradley International Airport (CT US GHCND:USW00014740). The rainfall event was a 1.56" precipitation event which lasted from December 22-24, 2015

The previous rainfall event of at least 0.10" occurred on December 15, 2015.

The six Stormwater Monitoring Report Forms were filled out by Eastern Analytical Laboratory and forwarded electronically to the office of Nathan L. Jacobson & Associates, Inc. on January 05, 2016.

The Stormwater Monitoring Report Forms were then forwarded electronically to Carl Fortuna, First Selectman on January 08, 2016 with a request that each of the six forms be downloaded, signed and dated by Carl Fortuna, First Selectman and mailed to the office of Nathan L. Jacobson & Associates, Inc.

Scans of the six signed and dated MS4 Stormwater Monitoring Report Forms for the December 22, 2015 sampling event were forwarded to Chris Stone, CTDEEP MS4 Stormwater Coordinator, on January 13, 2016.

### **Electronic Annual Report Certification Form**

A pdf of the signed and dated 2015 Electronic Annual Report Certification Form will be forwarded to the CTDEEP as an e-mail attachment in May 2016.