



**Connecticut Department of  
Energy & Environmental Protection**  
Bureau of Materials Management & Compliance Assurance  
Water Permitting & Enforcement Division

## MS4 Annual Report Transmittal Form

**For the General Permit to Discharge Stormwater  
from Small Municipal Separate Storm Sewer  
Systems (MS4)**

Print or type unless otherwise noted. Please submit this completed transmittal form, fee, and the MS4 Annual Report as indicated at the end of this form.

CPPU USE ONLY
App #: _____
Doc #: _____
Check #: _____
<b>Program: Stormwater Permits</b>

### Part I: Annual Report General Information

1. Reporting Period (Calendar Year): <u>2023</u>	
2. Provide the registration number for the existing general permit registration: <u>GSM 060112</u>	
<b>3. Registrant Type (check one):</b>	<b>Fees</b>
<input type="checkbox"/> state institution/agency	\$375.00 [713]
<input type="checkbox"/> federal institution/agency	\$375.00 [713]
<input checked="" type="checkbox"/> municipality	\$187.50 [713]
4. Municipality name or Municipality name where institution is located: <u>THOMPSON</u>	
The annual report will not be processed without the fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection (DEEP) or by such other method as the commissioner may allow.	

### Part II: Registrant Information

1. Registrant (Name of Municipality or State or Federal Institution/Agency): <u>THOMPSON</u>	
Mailing Address: <u>PO BOX 899</u>	
City/Town: <u>N. GROSVENORDALE</u>	State: <u>CT</u> Zip Code: <u>06255</u>
Business Phone: <u>860-923-9561</u>	ext.:
Contact Person: <u>AMY ST. ONGE</u>	Phone: <u>860-923-9561</u> ext.
*E-mail: <u>FIRSTSELECTMAN@THOMPSONCT.ORG</u>	
*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject registration. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.	

**Part II: Registrant Information (continued)**

**2. Billing contact, if different than the registrant.**

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

**3. Primary contact for departmental correspondence and inquiries, if different than the registrant.**

Name: *KELLEY GENEST*

Mailing Address: *PO BOX 899*

City/Town: *N. GROS*

State: *CT*

Zip Code: *06255*

Business Phone: *860-923-2680*

ext.:

Contact Person: *KELLEY GENEST*

Phone:

ext.

\*E-mail: *K.GENEST@THOMPSON.CT.CRG*

\*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject registration. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.

**4. Engineer(s) or other consultant(s) employed or retained to assist in preparing the annual report.**

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

Name: *J.D CIVIL ENGINEERS, LLC*

Mailing Address: *401 RAUENELLE RD*

City/Town: *N. GROS*

State: *CT*

Zip Code: *06255*

Business Phone: *860-923-2920*

ext.:

Contact Person: *DENNIS R BLANCHETTE*

Phone: *860-923-2920*

ext.

E-mail: *DENNIS@JD CIVIL ENGINEERS.COM*

Service Provided: *ANNUAL REPORT PREPARATION*

5.  Check here if there are adjacent towns or other entities with which implementation of the Stormwater Management Plan is coordinated for a portion of the subject MS4. If so, provide the names of such towns or entities: \_\_\_\_\_

### Part III: Registrant Certification

The registrant and the individual(s) responsible for actually preparing the annual report must sign this part. [If the registrant is the preparer, please mark N/A in the spaces provided for the preparer.]

"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 the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.


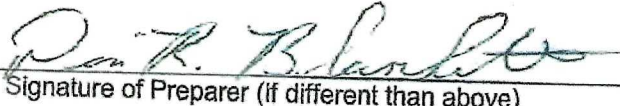
I certify that this annual report transmittal is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I certify that the following public notice requirements have been met.

**Annual Report Availability:** At least forty-five (45) days prior to submission of each Annual Report to DEEP, pursuant to Section 4(d)(3) of the MS4 General Permit, each permittee shall make available for public review and comment a draft copy of the complete Annual Report. Comments on the Annual Report may be made to the permittee and are *not* submitted to DEEP. Reasonable efforts to inform the public of this document shall be undertaken by the permittee. Such draft copies shall be made available electronically on the permittee's website for public inspection and copying, consistent with the federal and state Freedom of Information Acts, and shall be made available, at a minimum, at one of the following locations: the permittee's main office or other designated municipal or institution office, a local library or other central publicly available location. Following submission of the Annual Report to DEEP, a copy of the final report shall be made available for public inspection during regular business hours.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

I also certify that the signature of the registrant, or a duly authorized representative, being submitted herewith complies with section 22a-430-3(b)(2)(B) of the Regulations of Connecticut State Agencies.

 _____ Signature of Chief Elected official or Principal Executive Officer	_____ 4/17/24 Date
AMY ST. ONGE _____ Printed Name of Chief Elected official or Principal Executive Officer	_____ FIRST SELECTMAN Title (if applicable)
 _____ Signature of Preparer (if different than above)	_____ 4/17/24 Date
DENNIS R. BLANCHETTE _____ Printed Name of Preparer	_____ Title (if applicable)

Note: Please submit 1) this completed Transmittal Form and the Fee to:

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

2) a copy of this completed Transmittal Form and the Annual Report electronically to the following email address: [DEEP.StormwaterStaff@ct.gov](mailto:DEEP.StormwaterStaff@ct.gov).

Refer to [www.ct.gov/deep/municipalstormwater](http://www.ct.gov/deep/municipalstormwater) for information on Annual Report Templates or other additional information concerning the MS4 General Permit.

In the event that electronic submission is not available or possible, please contact the Stormwater Section at 860-424-3025.

2023 MS 4 Annual Report Prepared for Town of Thompson  
For review and comment

MS4 General Permit  
 Town of Thompson 2023 Annual Report -  
 Existing MS4 Permittee  
 Permit Number GSM000112  
 January 1, 2023 – December 31, 2023

Primary MS4 Contact: Amy St. Onge, 1<sup>st</sup> Selectman, 860-923-9561, firstselectman@thompsonct.org

This report documents Thompson’s efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2023 to December 31, 2023.

## Part I: Summary of Minimum Control Measure Activities

### MCM 1. Public Education and Outreach (Section 6 (a)(1) / page 19)

BMPs 1	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period (if needed, more space available after this table)	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is ‘in progress’)	Additional details
<b>1-1 Initial Implementation of Public Education Program</b>	Completed	NA	Establish links to materials for 9 target areas and placed on Town’s Web site	Public Works	Jul 1, 2017	Prior to 7/1/17	Links established at <a href="https://www.thompsonct.org/public-works/pages/stormwater-management">https://www.thompsonct.org/public-works/pages/stormwater-management</a>
<b>1-2 Review of links in BMP1-1</b>	Ongoing	Annual review of links, modify as needed for clarification and functionality	Links reviewed in December	Public Works / Kelley Genest	Annually December 30th	6/16/19 12/02/20	Prior years completed on 12/28/17 & 12/4/18, 20/2/20= changed the brochure for Illicit Discharges and Water Pollution & Nonpoint Source Water Pollution for newer version.

**Description of Public Education and Outreach activities planned for the next year, as applicable.**

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## MCM 2. Public Involvement/Participation (Section 6(a)(2) / page 21)

BMPs 2	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
2-1 Publish Initial public notice	Completed	NA	Legal notice published	First Selectman	ASAP	4/18/17	
2-2 Comply with public notice requirements for Annual Reports	On going	Produce Annual Report and publish public notice	Plan published On website	First Selectman	Draft by Feb 15 Final by April 1	Posted for comment on 2/15/23. Filed with DEEP on 3/22/23	

### Description of Public Involvement/Participation activities planned for the next year, as applicable.

### Public Involvement/Participation reporting metrics

Metrics	Date of Posting	Location of posting
Availability of the 2017 Stormwater Management Plan to public	4/18/17	<a href="https://www.thompsonct.org/sites/g/files/vyhlif5076/f/uploads/16181-stormwater-management-plan-2017-4-11.pdf">https://www.thompsonct.org/sites/g/files/vyhlif5076/f/uploads/16181-stormwater-management-plan-2017-4-11.pdf</a>
Availability of 2022 Annual Report announced to public	2/15/23	<a href="https://www.thompsonct.org/sites/g/files/vyhlif5076/f/uploads/ms4_annual_report_2021_for_public_review_and_comment.pdf">https://www.thompsonct.org/sites/g/files/vyhlif5076/f/uploads/ms4_annual_report_2021_for_public_review_and_comment.pdf</a>
2022 Annual report posted	3/22/23	<a href="https://www.thompsonct.org/sites/g/files/vyhlif5076/f/uploads/ms4_annualreport_2021-final_for_submittal_to_deep.pdf">https://www.thompsonct.org/sites/g/files/vyhlif5076/f/uploads/ms4_annualreport_2021-final_for_submittal_to_deep.pdf</a>

### MCM 3. Illicit Discharge Detection and Elimination (Section 6(a)(3) and Appendix B / page 22)

BMPs 3	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
<b>3.1 Develop Expanded 2013 MS4 Maps and Inventory</b>							
3-1a Using the existing outfall data, delineate on the outfall maps and identify in the outfall inventory spreadsheet all outfalls located in the priority area.	Complete	NA	Document production	Selectmen's Office	7/1/18	3/25/19	
3-1b Update outfall maps & inventory of outfalls and any interconnections to state owned MS4	Completed	NA	Document production	Selectmen's office	7/1/18	1/10/19	
3-1c Modify the outfall maps and inventory to include information on the location of all MS4 in the priority area and an indication as to what, if any, repairs are needed	Complete	Continued	Document production	Selectmen's Office	7/1/19	May 2019	See Priority Area Stormwater System Maps dated May 2019 & Priority Area Inventory
3.1d For all MS4 outfalls located within the priority area (1) delineate the contributing drainage area to the MS4, (2) map the impervious areas that directly connect (i.e. DCIA) to each MS4, (3 ) determine the extent of the DCIA in each contributing drainage area, and (4) record in the inventory the contributing drainage acreage and the % of the DCIA for each MS4 outfall.	Complete	All data was transmitted to Appgeo. Catchments were delineated by J & D and % DCIA calculated by Appgeo	Document production	Selectmen's Office	7/1/20	Dec 2021	All data available on Storm drainage layer on Town GIS map

BMPs 3 (continued)	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
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<b>3-2 Written IDDE Plan</b>	Complete		Posting of written plan on Town's webpage	First Selectman	7/1/18	Date Posted:1/13/23	<a href="https://www.thompsonct.org/sites/g/files/vyhli5076/f/uploads/idde_plan_revised_11.21.2022.pdf">https://www.thompsonct.org/sites/g/files/vyhli5076/f/uploads/idde_plan_revised_11.21.2022.pdf</a>
<b>3-2a Develop Citizen reporting</b> that includes producing & posting on Thompson's webpage a citizen's reporting form; and a method for tracking citizen's complaints, subsequent investigations and actions taken.	Completed	NA	Documenting of complains and investigations	Selectman's Office / First Selectman	7/1/18	4/18/20	Links to complaint form: <a href="https://www.thompsonct.org/contact-us/webforms/send-us-comments-questions">https://www.thompsonct.org/contact-us/webforms/send-us-comments-questions</a> & <a href="https://www.thompsonct.org/public-works/pages/forms-documents">https://www.thompsonct.org/public-works/pages/forms-documents</a> ; no citizen complaint of illicit discharge received since initiation of reporting program
<b>3-2b Legal Authority Assessment</b> – review authorities available to eliminate illicit discharges and identify the enforcement mechanism(s)	Complete	Ordinance adopted	Adoption of IDDE ordinance	First Selectman	7/1/18	7/26/22	Ordinance #22-001
<b>3-2c Develop an outfall screening program and illicit discharge detection protocol</b>	Completed	NA	Documentation of protocol	Public Works	7/1/18	6/28/18	Protocols in use are contained in Section 7 of IDDE
<b>BMPs 3 (continued)</b>	<b>Status</b> (Complete, Ongoing, In Progress, or Not started)	<b>Activities in current reporting period</b>	<b>Measurable goal</b>	<b>Department / Person Responsible</b>	<b>Due</b>	<b>Date completed or projected completion date</b> (include the start date for anything that is 'in progress')	<b>Additional details</b>
<b>3-3 Indicators of Program Progress</b>	Complete	Update of tables 6-1 and 8-1	Update of tables 6-1 and 8-1	J & D	7/1/18	Tables updated on 1/16/23	These are final, pending new information discovered during sampling
<b>3-4 Inventory and Address Sanitary Sewer Overflows</b>	Completed	NA		Public Works	10/29/17	10/30/20	No overflows in 5 years prior to 1/20/2016 and none since
<b>3-5 Employee Training</b>	Ongoing	Training session	Sign in sheet documentation	Public Works	To be determined	12/27/23	<a href="https://kaltura.uconn.edu/media/Green+Snow+Pro+TrainingA+Proven+to+Reduce+Road+Salt+Impacts/1_bend2kso">https://kaltura.uconn.edu/media/Green+Snow+Pro+TrainingA+Proven+to+Reduce+Road+Salt+Impacts/1_bend2kso</a>



<b>3-6 Document actions taken for MS4 GP Annual Report</b>	Ongoing	NA	Posting of annual Report on Thompson's webpage	Public Works	Annually beginning 1/31/18	2022 – posted March 28, 2023. 2023 to be posted by March 13, 2024	2023 Final report to be posted after review of public comments.
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**BMP 3 Description of IDDE activities planned for the next year, as applicable.**

J & D has acquired the necessary testing kits and meter and will continue sampling outfalls as long as funds permit. First priority will be the 6 problem catchments, then those identified as high priority. With this information we will be able to hone in on which catchments require further investigation.

**IDDE reporting metrics**

Metrics	
Estimated or actual number of MS4 outfalls	167
Estimated or actual number of interconnections	9
Outfall mapping complete – field work complete. All data has been provided to GIS company.	100%
Interconnection mapping complete	100%
System-wide mapping complete (detailed MS4 infrastructure) Field work complete, all data in the hands of the GIS company	100%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	100%
Catchment investigations complete (6 have been identified as requiring follow up)	0
Estimated percentage of MS4 catchment area investigated	0%

## MCM 4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

BMPs 4	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
<b>BMP 4-1 Legal Authority Summary</b>							
<b>4-1a Review of ordinances, regulations, general conditions</b>	Completed	NA	Report in Annual Report	First Selectman, P&Z Commission IW Commission	7/1/19	7/11/17	See Annual Report 2017
<b>4-1b Actions to amend ordinances / regulations to address deficiencies found in BMP 4-1a</b>	Completed	Planning & Zoning regs revised	Publication/posting of revised regulations	P&Z Commission / Planning & Development Dept.	7/1/19	Zoning regs revised=9/15/20	In process of updating subdivision regs for approval in 2023
<b>4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval</b>	Completed	NA	Document production``	First Selectman	7/1/17	Plan developed April 2017	See 1 <sup>st</sup> Selectman Beausoleil memo dated 6/27/2017 establishing plan
<b>4-3 Review site plans for stormwater quality concerns</b>	Ongoing	Site plans reviewed by Zoning Enforcement Officer and Wetlands Agent	None	P&Z Commission / ZEO & IW Commission / Wetlands Agent	7/1/17	Ongoing	Performed on an as-needed basis
<b>4-4 Public Involvement</b>	Completed	NA	Development of Citizens comment form	First Selectman	Ongoing	4/18/17	See BMP 3.2a
<b>4-5 State Permit Notification</b>	Completed	NA	Document production	P&Z Commission / ZEO & IW Commission / Wetlands Agent	Ongoing	P&Z= IW=6/27/17	IW=see "YOU HAVE AN INLAND WETLAND PERMIT" provided with every permit / approval

## MCM 5. Post-construction Stormwater Management (Section 6(a)(5) / page 27)

BMPs 5	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
<b>BMP 5.1 Legal Authority Summary</b>							
<b>5-1a Review of ordinances &amp; regulations for Low Impact Development (LID) Legal Authority &amp; recommend changes</b>	Completed	subdivision regs in process of being updated	Document Generation	Planning & Development / Director	7/1/18	2023	
<b>5-1b Adopt / amend insufficient ordinance or regulation(s)</b>	Complete	Subdivision regs revised	Document Generation	P&Z Commission / Planning & Development Director	7/1/20	Zoning regs revised=9/15/20 Subdivision regs revised Dec, 2022	
<b>5-2 Long Term Maintenance</b> (town owned detention & stormwater treatment structures)	Ongoing	9 CBs rebuilt, 60' pipe replaced, 2 new CBs installed, 20 culverts cleaned of brush and debris	Inspection documentation	DPW	Annually by Dec. 31st		
<b>5-3 Directly Connected Impervious Areas (Mapping)</b>	Complete	Sectors 15-20 were completed in 2022 and transmitted to Appgeo	Document production	J & D/Appgeo	7/1/20	completed in 2022	Priority area – catchments delineated. Outside PA by formula
<b>5-4 Document Actions Taken</b>	Ongoing	See annual report	Posting of annual report	Selectman's Office	Annually beginning 1/31/18	2022 report posted on website and submitted to DEEP	

## Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit [www.nemo.uconn.edu/ms4/tasks/post-construction.htm](http://www.nemo.uconn.edu/ms4/tasks/post-construction.htm). Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	Unknown – may not have been calculated
Priority Area DCIA (catchments delineated)	45.9 acres
Outside Priority Area - % DCIA (most less than 4%)	100% (done by formula)
Outside priority area acreage – TBD – catchments to be delineated in 2024	0%
DCIA disconnected (redevelopment plus retrofits)	0
Retrofit projects completed	1
DCIA disconnected	6016 Sq Ft (0.14acres)
Estimated cost of retrofits	
Detention or retention ponds identified	6

Catchments with DCIA greater than 40% are as follows:	Imperv Area (acres)	C. A.(acres)	Imperv %	DCIA %
6.01 (55%) Buckley Hill Road near river crossing	0.2	0.3	67.25	55.15
10.04 (61%) Three Rows	1.87	2.82	66.38	61.45
10.06 (75%) Library	0.79	1.1	78.81	75.51
10.05 (73%) Library	1.4	1.81	77.24	73.7
14.13 (65%) Park Street (off Route 12)	0.26	0.37	69.65	65.09
10.11 (46%) Buckley Hill Road, vicinity of Valley Road	0.43	0.82	52.19	46.04
4.08 (41%) Jezierski Lane	0.27	0.48	55.5	41.330

The Blain Road/Route 12 intersection was reconstructed by the Town in 2023. 6016 square feet of impervious area (bit conc) was disconnected. Two bioretention areas, each holding 600 CF were constructed which exceeds the WQV.

OF 14-13, Park Street. Park Street was repaved but no disconnections were made. The impervious area is only 0.26 acres and the catchment area is 0.37 acres. The drainage consists of a single catch basin which was never observed to have flow.

OF 10-07, Main Street. The Main Street reconstruction and drainage improvement project is under design (survey complete) and being analyzed for potential disconnections. It is only partially funded at this time. As part of the associated 65 Main Street project it is anticipated that a Water Quality feature will be included to treat runoff. This catchment discharges to Outfall 10-07, Catchment characteristics are: impervious area = 4.36 acres, catchment area = 13.12 acres, impervious = 33.324% and DCIA = 19.16%

OF 10-05/10-06 Walker Street (Library). ECCD is planning to install pervious pavers at the library this summer (2024). This area has high DCIA but we have no further information at this time to calculate disconnection.

**MCM 6. Pollution Prevention/Good Housekeeping (Section 6(a)(6) / page 31)**

<b>BMP 6</b>	<b>Status</b> (Complete, Ongoing, In Progress, or Not started)	<b>Activities in current reporting period</b>	<b>Measurable goal</b>	<b>Department / Person Responsible</b>	<b>Due</b>	<b>Date completed or projected completion date</b> (include the start date for anything that is 'in progress')	<b>Additional details</b>
<b>6-1 Employee Training Program</b>	Ongoing	Training for all public works staff	Employee sign of sheet for training	Public Works / Kelley Genest	Ongoing	12/27/23	See link below table
<b>6.2 Infrastructure Repair and Rehabilitation</b>	complete	none	Repair of all MS4 identified from BMP 3-1c	DPW	7/1/22		None found
<b>6-2a First 5 outfalls for repair</b>	complete	None	Report of repairs	Public Works	7/1/17	7/1/17	None found
<b>6-2b Future outfalls for repair</b>	complete	None found during sector 15-20 screening	Report of repairs	Public Works			7 catch basins have been identified for repair
<b>6-3 Retrofit Program</b>	Not started	None	report	Public Works in consultation with J & D	7/1/20	6/24	Funding approved- work to be started in spring 2024
<b>6-3a Recording for annual report of disconnected DCIA</b>	Not started	None	Retrofit documentation details	Public Works J & D	Annually beginning 1/31/18	12/24	Pending completion of DCIA delineations
<b>6-3b Retrofit identifications</b>	Not started	None	Listing of retrofits, if any	Public Works/J & D	Ongoing	6/24	Funding approved
<b>6-3c Schedule of retrofits</b>	Not Started	None	TBD	Public Works	7/1/21		Depending on availability of suitable projects

<b>6-4 MS4 Property and Operations</b>	On going	none	Compliance with guidance document	DPW	7/1/2020	6/24	Guidance document provided to Town by J & D on 12/6/22
<b>6-5 Street, Parking &amp; MS4 Maintenance</b>	On going	See table below		Public Works	7/1/22		
<b>6-6 Interconnected MS4s</b>	In progress		Document in Annual Report	Selectman's Office			9 Interconnections with State DOT have been identified  Interagency agreement needs to be developed
<b>6-7 Contributing Pollutants to MS4</b>	N/A		Selectman's Office	Selectman's Office	Ongoing beginning 7/1/2020		None exist

[https://kaltura.uconn.edu/media/Green+Snow+Pro+TrainingA+Proven+to+Reduce+Road+Salt+Impacts/1\\_bend2kso](https://kaltura.uconn.edu/media/Green+Snow+Pro+TrainingA+Proven+to+Reduce+Road+Salt+Impacts/1_bend2kso)

6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

**J & D will analyze data for possible retrofits, prepare schedule, cost estimates and prioritize. Funding is approved, work is projected to take place from April – June, 2024**

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	2022	
Employee training provided for key staff	12/20/22	
Street sweeping		
Curb miles swept	0	
Volume (or mass) of material collected		
Catch basin cleaning		
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	371	
Total catch basins town- (or institution-) wide	744	
Catch basins inspected	unk	
Catch basins cleaned	5	

Catch basins rebuilt	9	
Culverts cleaned	20	
Pipe Replaced	60'	
Volume (or mass) of material removed from all catch basins	16.5 cu yds	
Catch basins replaced with new ones	2	
<b>Snow management</b>		
Type(s) of deicing material used	Morton salt	
Total amount of each deicing material applied	374 tons	
Type(s) of deicing equipment used	9 nine ton dump trucks, 3 one ton dumps with slide sander	
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	102 miles per storm	
Snow disposal location	n/a – snow is not hauled away	
Staff training provided on application methods & equipment	12/17/2023	
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	Thompson does not use fertilizer	
Reduction in application of fertilizers (since start of permit)	NA	
Reduction in turf area (since start of permit)	NA	
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	See list attached	
Cost of mitigation actions/retrofits	Pet waste bags - minimal	

#### 6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program

**No updates, same as prior years**

#### 6.5 Retrofit program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project.

**Funding was approved on July 1, 2023. A contract was signed for this work on November 22, 2023. It is projected that this work will be substantially complete by June 2024.**

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.



No plan yet – see above

**Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.**

**Plan not developed yet**

## Part II: Monitoring and impaired waters investigation

### M-1. Inventory of outfalls to impaired waters (Section 6(i)(1), page 41)

M-1	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
<b>M-1 Inventory of outfalls to impaired waters</b>	Completed	none	Listing of Impaired waters	First Selectman	7/1/19	8/1/19	No direct discharges to impaired

#### Impaired Water Outfall Inventory Table

Based on the listing of impaired waters found in the DEEP Integrated Water Quality Report and the system mapping with associated outfall listing prepared under BMP 3-1c the table below provides the listing of impaired waters and associated outfalls that drain to those impaired waters as of the end of 2020.

There are no direct discharges to any of the impaired waterbodies.

Impaired Waterbody	Waterbody Segment ID	Location	Outfall #	Street
West Thompson Lake (Thompson)	CT3700-00-2+L1_01	Impoundment of Quinebaug River in Thompson	18-08	Church St
Quinatissett Brook (Thompson)-01	CT3300-10_01	Mouth at Mechanicville Pond section of French River just DS of Route 12 crossing, US to Reams Pond outlet dam, US Route 21 crossing, Thompson	19-01	Ballard Road
Quinebaug River (Putnam/Thompson)-05	CT3700-00_05	Just US of Putnam POTW (just DS of Railroad crossing), Putnam, US to confluence French River, Thompson	18-09	Oak Hill Rd
			18-11	Oak Hill Rd
Wheatons Brook (Putnam/Thompson)-01	CT3708-18_01	Mouth Little River DS Wicker St crossing, Putnam, US to HW parallel to Ravenelle Rd, Thompson.	18-02	West Thompson Rd
			18-12	Messier Rd
			18-.03	West Thompson Rd

#### Inventory of Impaired Water Outfall activities planned for the next year, as applicable.

N/A – there are no direct discharges

**M-2. Screening Impaired Water Outfalls (Section 6(i)(1)(A,B & C, pages 41-42)**

M-2	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
M-2 Screening impaired waters outfalls	Complete		Field sheets and testing reports	First Selectman	7/1/20	All outfalls have been screened	

The following outfalls were sampled (wet weather) before it was determined that they are not “direct” discharges.

Impaired Water Outfall Sampling Data Table

Current Outfall ID	Old Outfall ID		Latitude / Longitude	Sample date	Parameter -Results Bacteria	Name of Laboratory	Comments
					E. Coli		
18-08	SD 112	Church St	41°57'25.6"/ 071°54'46.0"	11/30/22	100 col/100ml	Analytical Consulting	Does not exceed benchmarks
19-01		Ballard Road	41°56'32.6 ' 71°52'47.5"	11/30/22	200 col/100ml	"	Resampled – does not exceed
18-09	SD 113	Oak Hill Dr	41°57'25.3"/ 071°54'46.4"	11/30/22	<100 "	"	exceeds benchmark
18-11	SD 125	Oak Hill Dr	41°55'57.6"/ 071°54'24.3"	11/30/22	630 "	"	exceeds benchmark
18-02	SD 46	W. Thompson Rd	41°56'12.6"/ 071°55'09.8"	11/30/22	100 "	"	Does not exceed benchmark
18-12	SD 128	Messier Rd	41°56'44.9"/ 071°54'52.6"	12/21/18	100 "		Does not exceed benchmark
18-03		W. Thompson Rd	41.932941° 71.922122°	11/30/22	<100 "	"	Does not exceed benchmark

\*Follow-up investigation required (last column) if the following pollutant thresholds are exceeded: none are direct discharges to impaired waterbodies. Oak Hill Drive is scheduled for catchment investigation per section xx

**M-3. Follow-up investigations** (Section 6(i)(1)(D) / page 43).

**None are required as there are no direct discharges to impaired waterbodies.**

Provide the following information for outfalls exceeding the pollutant threshold. **None exceeded**

**M-4. Prioritized outfall monitoring** (Section 6(i)(1)(D) / page 43)

<b>M-4</b>	<b>Status</b> (Complete, Ongoing, In Progress, or Not started)	<b>Activities in current reporting period</b>	<b>Measurable goal</b>	<b>Department / Person Responsible</b>	<b>Due</b>	<b>Date completed or projected completion date</b> (include the start date for anything that is 'in progress')	<b>Additional details</b>
<b>M-4 Prioritized outfall monitoring</b>	N/A	none				12/31/2022	There are no direct discharges

### Part III: Additional IDDE Program Data

#### 1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5)

All catchments have been ranked.

Problem catchments – 6

High Priority – 126

Low priority - 135

#### 2. Outfall and Interconnection Screening and Sampling data (Appendix B (A)(7)(d) / page 7)

All outfalls in town (priority and non priority) have been screened once. The following applies to the priority area. 76 outfalls have been sampled, 22 wet weather and 54 dry weather. 15 have been sample multiple times. 30 that were dry have been rescreened and 11 found dry twice and eliminated from further consideration. There have been 10 exceedances. Those with no exceedances in wet or dry have also been eliminated. Total eliminated from further consideration = 33.

Wet Weather

Outfall	Latitude / Longitude		Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
10-01	071°54'03.4"		6/2/23	Cl	.06	Atlas
10-03	41°58'41.1"	071°54'03.4"	6/2/23	MBAS, Am	.49, 1.63	Atlas
10-07	41°58'56.1"	071°54'01.7"	6/2/23	MBAS, Am	1.52, 1.54	Atlas
10-12	41°58'25.9"	071°53'04.0"	6/2/23	MBAS, Am, E.Coli	.49, .76, 6490	Atlas
10-30	n/a	n/a	8/7/23	Cl, E. Coli	.06, 3650	Atlas
14-04	41°58'00.4"	071°53'36.9"	6/2/23	Cl	.05	Atlas
18-11	41.932022	71.906452	6/2/23	MBAS, Am, E. Coli	1.27, 3.04, 1480	Atlas

#### 3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

For details on this requirement, visit [www.nemo.uconn.edu/ms4/tasks/monitoring.htm](http://www.nemo.uconn.edu/ms4/tasks/monitoring.htm). Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart

There are 6 problem catchments scheduled for investigation in spring/summer 2024

### 3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors
		Problem Catchments (6)
10-01	French River	4
10-03	French River	4
10-07	French River	4
10-12	Stoud Brook	0
10-30	French River	3
14-04	French River	0
		<b>High Priority - 26 Catchments</b>
		Most of the high priority catchments only had SVF 4 – Infrastructure greater than 40 years old and/or SVF 5 – septic system areas of concern. See attached table 6-1. None had SSOs or sanitary infrastructure defects.
		<b>Low Priority -135 catchments</b>
		Most of these catchments had no SVFs. They are on the list primarily due to connectivity issues or are within the Priority Area. See table 6-1 attached

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.

11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

### 3.2 Key junction manhole dry weather screening and sampling data

There are no junction manholes

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants

### 3.3 Wet weather investigation outfall sampling data

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants
18-08	41°57'25.6"/071°54'46.0"	11/30/22	.26	Not	7	Not	100	Not measured
19-01	41°56'32.6'	11/30/22	<.10	measured	91	measured	200	
18-09	71°52'47.5"	11/30/22	.31		53		<100	
18-11	41°55'57.6"/071°54'24.3"	11/30/22	<.10		4		630	
18-02	41°56'12.6"/071°55'09.8"	11/30/22	.13		6		100	
18-12	41°56'44.9"/071°54'52.6"	11/30/22	.13		725		100	
18-03	41.932941° 71.922122°	11/30/22	<.10		41		<100	
10-01	071°54'03.4"	6/2/23	.09	.06	256		10	<.05
10-03	41°58'41.1"	6/2/23 071°54'03.4"	1.63	<.02	38		<10	.49
10-07	41°58'56.1"	6/2/23 071°54'01.7"	1.54	<.02	323		<10	1.52
10-12	41°58'25.9"	6/2/23 071°53'04.0"	.76	<.02	88		6490	.49
10-30	n/a	8/7/23	.24	.06	2623		3650	.1
14-04	41°58'00.4"	6/2/23 071°53'36.9"	.08	.05	165		160	<.1

18-11	+	6/2/23	3.04	<.02	275		1480	1.27
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**3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure –**

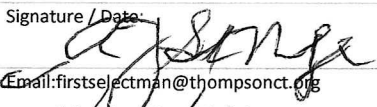
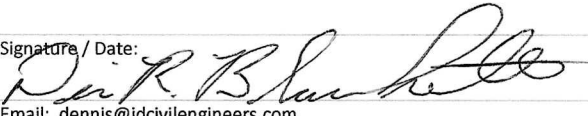
**Not started, work is expected to begin in 2024.**

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed



**Part IV: Certification**

"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."

Chief Elected Official or Principal Executive Officer	Document Prepared by
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