



Town of Chester, Connecticut

2021 Annual Report

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

Permit Number GSM000058

MS4 General Permit
 Town of Chester 2021 Annual Report
 Permit Number GSM 000058
 January 01, 2021 – December 31, 2021

Primary MS4 Contact: Wade M. Thomas, Nathan L. Jacobson & Associates, Inc., wthomas@nlja.com, 860.526.9591,

This report documents Town of Chester’s efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 01, 2021 to December 31, 2021.

Charlene O. Janecek replaced Lauren S. Gister as First Selectwoman effective January 05, 2022.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-1 Implement public education and outreach	2017 - None 2018 The following links were added to the Conservation Commission webpage: NEMO Program Fact Sheet 2, <i>Nonpoint Source Water Pollution</i> Clean Waters Fact Sheet 8, <i>Lawn</i>	NEMO	Town Website https://www.chesterct.org/town-government/conservation-commission/ and https://www.chesterct.org/?s=stormwater	100s	Public education	Conservation Commission	Additional; public education and outreach materials will be added when appropriate.

	<p><i>Care the Environmentally Friendly Way</i></p> <p>Clean Water Fact Sheet 3, <i>Caring for Your Septic System</i></p> <p>Clean Waters Fact Sheet 6, Animal Waste and Water Quality</p> <p><i>Rain Recycling with Rain Barrels</i> prepared by the Connecticut River Coastal Conservation District, Inc.</p> <p><i>Riparian Corridor Plants</i>, prepare by Sea Grant Connecticut</p> <p>A link to the CT DEEP <i>Please Do Not Trash Grass</i> webpage</p> <p>A link to the NEMO Rain Garden webpage</p>						
	<p>2019</p> <p>The following Conservation Commission Enviro Tips were contained in the Town of Chester Town-wide Email sent out on Friday of most weeks:</p>	<p>Conservation Commission</p>	<p>Town Website</p> <p>https://www.chesterct.org/town-government/conservation-commission/</p>	<p>100s</p>	<p>Public education</p>	<p>Conservation Commission</p>	<p>Additional; public education and outreach materials will be added when appropriate.</p>

	<p>01/18/19 Accumulation of microplastics in ocean filter feeders (oysters, clams, mussels or scallops).</p> <p>01/25/19 Accumulation of PCBs and DDT in microplastics and human consumption.</p> <p>02/01/19 Benefits of reduced plastics in the environment.</p> <p>02/08/19 Labeling of plastics as degradable and biodegradable when in fact they fragment into microplastics.</p> <p>02/15/19 Recommendation to use magnesium chloride as a deicer to minimize environmental effects.</p> <p>04/05/19 The shedding of microplastics by machine washing of synthetic fleece was discussed.</p> <p>09/13/19</p>								
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	<p>Notice that cigarette filters are the biggest source of litter in the U.S. and another example of single use plastic entering waterways.</p> <p>09/20/19 The commission wanted to make the general public aware of "No Dumping" stencils on catch basin heads and to make residents aware that whatever is dumped in the catch basin ends up in the local waterway.</p> <p>11/15/19 The distinction between dirt and soil was explained as soil can be converted to dirt ("dead soil") by excessive use of non-organic herbicides, pesticides and fertilizers.</p>						
2020	<p>The following Conservation Commission Enviro Tips were contained in the Town of Chester</p>	Conservation Commission	<p>Town Website</p> <p>https://www.chesterct.org/town-government/conservation-commission/</p>	100s	Public education	Conservation Commission	Additional; public education and outreach materials will be added when appropriate.

<p>Town-wide Email sent out on Friday of most weeks:</p> <p>05/01/20 Tip giving suggestions to use less plastic.</p> <p>05/15/20 Tip to consider your choice when choosing a soft drink relative to single use plastic pollution in the environment.</p> <p>07/03/20 Tip to check floating docks to determine if the plastic foam flotation is enclosed as plastic foam degrades and pollutes waterbodies.</p> <p>09/04/20 Regional Household Hazardous Waste Collections and Paper Shredding Event was advertised.</p> <p>10/30/20 Tip to the general public that "Drains to Long Island Sound" and "No Dumping" was stenciled on to</p>						
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	<p>catch basin heads on Prospect Street, Straits Road, Maple Street, Main Street, North Main Street and Liberty Street and reminding resident that used oil, hazardous materials, dog feces, liquid herbicides, pesticides and other pollutants should not be dumped into catch basins.</p> <p>11/13/20 Conservation Commission Enviro tip regarding leaf management and the recommendation to not blow leaves into the street or down storm drains.</p> <p>11/20/20 Conservation Commission Enviro tip to mulch leaves with the lawn mower and leave them in place on the lawn and flower and vegetable beds.</p>						
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	<p>2020</p> <p>The following were contained in Chester Events Quarterly:</p> <p>Quarter 2 Information on RiverCOG Household Hazardous Waste Collection Dates in 2020</p> <p>Quarter 4 <i>What to do with All Those Leaves</i> recommended composting leaves as opposed to depositing the leaves near a stream or in a wetland</p>		<p>Town Website</p> <p>https://www.chesterct.org/town-government/conservation-commission/</p>	100s	Public education	Conservation Commission	Additional; public education and outreach materials will be added when appropriate.
	<p>2021</p> <p>The following Conservation Commission Enviro Tips were contained in the Town of Chester Town-wide Email sent out on Friday of most weeks:</p> <p>02/26/21 Buy fewer single use plastics, recycle plastic vegetable bags, make an effort to purchase items in glass as opposed to plastic and</p>		<p>Town Website</p> <p>https://www.chesterct.org/town-government/conservation-commission/</p>	100s	Public education	Conservation Commission	Additional; public education and outreach materials will be added when appropriate.

<p>recycle plastic bags at grocery stores and not recycling containers.</p> <p>03/12/21 Keep wayward balloons out of the water and to recycle plastic grocery bags at grocery stores.</p> <p>03/26/21 Consider using alternatives to single use plastic wrap for food storage.</p> <p>04/15/21 and 04/23/21 Emails that the Chester Land Trust in conjunction with the Town of Chester will conducting a townwide clean up day on Saturday, April 24th to pick up litter and other debris from town properties.</p> <p>05/21/21 Reminder to dispose of used pandemic masks and latex gloves responsibly.</p> <p>10/01/21</p>								
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	<p>The 5 cent deposit on miniature bottles of alcohol (nips) effective October 1st will be use by municipalities to reduce townwide litter which the town found that nip bottles constitute a significant portion of.</p> <p>10/08/21 Reminder to residents what items belong in the single stream recycling cans and that organic materials including leaves and yard waste should be composted and not disposed of in trash or recycling bins.</p> <p>10/29/21 Provided residents with a history of the development of the recycling triangle and how the symbol identifies items which can be recycled.</p>						

1-2 Address education/ outreach for pollutants of concern	<p>added to the Conservation Commission webpage:</p> <p>NEMO Program Fact Sheet 2, <i>Nonpoint Source Water Pollution</i></p> <p>Clean Waters Fact Sheet 8, <i>Lawn Care the Environmentally Friendly Way</i></p> <p>Clean Water Fact Sheet 3, <i>Caring for Your Septic System</i></p> <p>Clean Waters Fact Sheet 6, <i>Animal Waste and Water Quality</i></p>	NEMO	<p>Town Website</p> <p>https://www.chesterct.org/town-government/conservation-commission/</p> <p>and</p> <p>https://www.chesterct.org/?s=stormwater</p>	100s	Public education	Conservation Commission	Additional; public education and outreach materials will be added when appropriate.
	The public was informed on January 17, 2019 of a Special Town Meeting to be held on Thursday, February 07, 2019 to discuss and enact the Stormwater Ordinance.						

1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.

It is anticipated that the Conservation Commission will continue to include Enviro tips in the weekly town Email every Friday throughout 2022.

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

2.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Location Posted	Additional details
2-1 Final Stormwater Management Plan publicly available	Complete	None	Compliance 2017 A hard copy of the Draft 2017 Stormwater Management Plan (SMP) was made available to the public for review and comment on the town website.	Lauren Gister, First Selectwoman, Board of Selectmen	April 03, 2017	https://www.chesterct.org/?s=stormwater	No public comments were received by the Office of the First Selectwoman
2-2 Comply with public notice requirements for Annual Reports (Annually by 02/15)	Complete	2018 The Draft 2017 MS4 Annual Report was made available for public review and comment.	Substantial Compliance	Lauren Gister, First Selectwoman, Board of Selectmen	March 2018	https://www.chesterct.org/?s=stormwater	No public comments were received by the Office of the First Selectwoman
	Complete	2019 The Draft 2018 MS4 Annual Report was made available for public review and comment.	Substantial Compliance	Lauren Gister, First Selectwoman, Board of Selectmen	February 28, 2019	https://www.chesterct.org/?s=stormwater	No public comments were received by the Office of the First Selectwoman
	Complete	2020 The Draft 2019 MS4 Annual Report was made available for public review and comment.	Substantial Compliance	Lauren Gister, First Selectwoman, Board of Selectmen	May 01, 2020	https://www.chesterct.org/?s=stormwater	No public comments were received by the Office of the First Selectwoman

	Complete	2021 The Draft 2020 MS4 Annual Report was made available for public review and comment.	Substantial Compliance	Lauren Gister, First Selectwoman, Board of Selectmen	March 26, 2021	https://www.chesterct.org/?s=stormwater	No public comments were received by the Office of the First Selectwoman
	In Progress	2022 Posting of 2021 Draft MS4 Annual Report for public review and comment.	Compliance is the Goal	Charlene Janecek, First Selectwoman, Board of Selectmen	February 14, 2022	https://www.chesterct.org/?s=stormwater	
	Complete	The Household Hazardous Waste Dropoff Schedule was published in Chester Events magazine a quarterly print magazine.	Public Notice and Involvement	Lauren Gister, First Selectwoman, Board of Selectmen and Charlene Janecek, First Selectwoman, Board of Selectmen	Annually 2018 - Quarter 2 2019 - Quarter 2 2020 - Quarter 2 2021 -	Magazine Hard Copy	
	Complete	An announcement indicating that Chester joined the CT River Area Health District (CRAHD) was contained in Chester Events magazine a quarterly print magazine.	Public Notice	CRAHD	2018 - Quarter 4	Not Applicable	
	Complete	2019 Chester/Deep River Boy Scout Troop 13 conducted a Clean Up Campout on Selden's Island.	Public Involvement	Boy Scout Leader	May 2019	Not Applicable	
	Complete	2021 The Chester Land Trust in conjunction with	Public Involvement	Town Residents	April 24, 2021	Not Applicable	

		the Town of Chester will conducting a townwide clean up day to pick up litter and other debris from town properties.					
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2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

Consider forming a Stormwater Management Plan Committee and holding semi-annual stormwater committee meetings to review 2017 Stormwater Management Plan implementation progress.

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

3.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
3-1 Develop written IDDE program (Due 7/1/19)	In progress	Town is in process of completing written IDDE program using the CT IDDE program template	Develop written plan of IDDE program	Nathan L. Jacobson & Associates, Inc., Town Engineers and Board of Selectmen	Anticipate completing by July 01, 2022.	The Department of Public Works will most likely be the listed contact.
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 07/01/20)	In Progress	Working to completion	MS4 stormwater outfall mapping was conducted in the Urbanized Area in 2005. The stormwater outfall mapping was compiled on a ESRI GIS layer. The MS4 stormwater outfall mapping will be updated to include impaired waters as contained in the State of Connecticut, Department of	Nathan L. Jacobson & Associates, Inc., Town Engineers	Anticipate completing by July 01, 2022.	

			Energy and Environmental Protection 2020 Integrated Water Quality Report. The stormwater outfalls in the impaired waters will be identified. The MS4 stormwater outfall mapping was completed town wide in 2018.			
3-3 Implement citizen reporting program (Ongoing)	In Progress	Working to completion	A program to allow the general public to report suspected illicit discharges is in the process of being set up. It is anticipated that the Department of Public Works will be the contact to accept citizen reporting of suspected illicit discharges.	Nathan L. Jacobson & Associates, Inc., Town Engineers	Anticipate completing by July 01, 2022.	
3-4 Establish legal authority to prohibit illicit discharges (Due 07/01/19)	Complete	Ordinance Adoptiont	Adoption of the IDDE Ordinance and amended the Citation Hearing	Lauren Gister, First Selectwoman, Board of Selectmen	Adopted February 07, 2019	

			Procedure at the Special Town Meeting of February 07, 2019			
3-5 Develop record keeping system for IDDE tracking (Due 07/01/17)	In Progress	2017 through 2021 - None	Develop Microsoft Excel spreadsheets for IDDE Tracking	Board of Selectmen and Nathan L. Jacobson & Associates, Inc., Town Engineer	Anticipate completing by July 01, 2022.	
3-6 Address IDDE in areas with pollutants of concern	In Progress	2017 through 2021 - None		Board of Selectmen and Nathan L. Jacobson & Associates, Inc., Town Engineer	Anticipate completing by July 01, 2022.	

3.2 Describe any IDDE activities planned for the next year, if applicable.

The written program will be posted to the Dept of Public Works webpage and a link listed in next year’s Annual Report will update the written IDDE program as needed throughout the permit term.

Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process

3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of reporting period using the following table. Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)

2017-2021 - There have been no Sanitary Sewer Overflows (SSOs) in Chester.

3.4 Provide a summary of actions taken to address septic failures using the table below.

Method used to track illicit discharge reports	Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known	Dept. / Person responsible
2017 - No failing septic systems were a source of an illicit discharge to the Town of Chester MS4.				
2018 - No failing septic systems were a source of an illicit discharge to the Town of Chester MS4.				
2019 - No failing septic systems were a source of an illicit discharge to the Town of Chester MS4.				
2019 64 Cedar Lake Road	Septic Tank and Leaching System Repairs	Modify septic tank and install a new leaching system		Connecticut River Area Health District (CRAHD)
2020 - No failing septic systems were a source of an illicit discharge to the Town of Chester MS4.				

2020 - The following subsurface sewage disposal repairs were conducted:	72 Railroad Avenue 226-8 Middlesex Avenue 38 Railroad Avenue 14 Hazen Street 27 Winthrop Road 24 Old Depot Road 3 Bates Lane 16 Ridge Road 35 Middlesex Avenue 3 Lake View Avenue 5 Lake View Avenue 17 Cedar Lake Road 14 Straits Road 36 Bokum Road	Septic Tank and Leaching System Repairs Pipe Repair Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs Leaching System Repair Septic Tank Repair Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs Leaching System Repair Leaching System Repair Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs Septic Tank Repair	4000-00-6+R45 4000-58-1 4018-00-2-R1 4017-00-2-R1 4017-01-2-R1 4018-00-2-R1 4017-04-1 4017-03-1-L5 4018-00-2-R1 4017-03-1-L4 4017-03-1-L4 4017-03-1-L4 4017-03-1-L5 4018-00-2-L6	Connecticut River Area Health District (CRAHD)
2021 - No failing septic systems were a source of an illicit discharge to the Town of Chester MS4.				
2021 - The following subsurface sewage disposal repairs were conducted:	44 Bokum Road 18 Straits Road 3 Story Hill Road 5 Waterhouse Lane 25 East Liberty Street 45 Maple Street 8 Prospect Street 18 Pleasant Street 26 Bokum Road 81 Turkey Hill Road 7 Castleview 15 Sunset Avenue 289 Middlesex Turnpike 28 Old Depot Road 254 West Main Street 22 East Liberty Street	Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs Pipe and Distribution Box Repairs Pipe Repairs Septic Tank and Leaching System Repairs Distribution Box and Pipe Repairs Septic Tank and Leaching System Repairs Septic Tank Repairs Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs WTW Septic Tank and Leaching System Repairs Septic Tank and Leaching System Repairs Leaching System Repairs Leaching System Repairs Septic Tank Repairs	4018-00-2-L6 4017-03-1-L5 4017-04-1 4017-00-2-R1 4017-00-2-R1 4017-00-2-R1 4017-03-1-L5 4017-03-1-L5 4017-03-1-L5 4017-04-1-L2 4000-58-1 4017-03-1-L5 4017-00-2-R1 4018-00-2-R1 4017-01-1 4017-00-2-R1	Connecticut River Area Health District (CRAHD)

3.5 Briefly describe the method and effectiveness of said method used to track illicit discharge reports.

The method and effectiveness of the illicit discharge tracking system will be reviewed in the 2022 MS4 Annual Report after development and implementation.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	To Be Determined
Estimated or actual number of interconnections	To Be Determined
Outfall mapping complete	95%
Interconnection mapping complete	95%
System-wide mapping complete (detailed MS4 infrastructure)	95%
Outfall assessment and priority ranking	25%
Dry Weather Screening of all High and Low priority outfalls complete	10%
Catchment investigations complete	10%
Estimated percentage of MS4 catchment area investigated	10%

3.7 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often it is given (minimum once per year).

The Department of Public Works will be provided with a copy of the publication entitled *Illicit Discharge Detection and Elimination Manual, A Handbook for Municipalities*, Published January 2003 by the New England Interstate Water Pollution Control Commission.

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

4.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 07/01/20)	Ongoing	2017 through 2021 – In place	Compliance	Board of Selectmen and Land Use Commission Members	July 01, 2017	It is anticipated that UConn CLEAR or a Regional Planning Agency will develop template guidelines for use by all MS4 municipalities.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	Ongoing	Nathan L. Jacobson & Associates, Inc., Town Engineer, prepares land use review letters for most applications for the Inland Wetlands Commission, Planning Commission and Zoning Commission.	Interdepartmental Coordination	Land Use Commission Members	July 01, 2017	2017 through 2021 No significant land use applications were received.
4-3 Review site plans for stormwater quality concerns (Ongoing)	Ongoing	Nathan L. Jacobson & Associates, Inc., Town Engineer, encourages the use of LID BMPs as contained in the 2004 Connecticut Stormwater Quality Manual.	Compliance	Nathan L. Jacobson & Associates, Inc., Town Engineer	July 01, 2017	2017 through 2021 No significant land use applications were received.
4-4 Conduct site inspections (Ongoing)	Ongoing	The town conducts construction site inspections for proper implementation and maintenance of soil erosion and sediment control measures	Compliance with Approved Plans	Nathan L. Jacobson & Associates, Inc., Town Engineer	July 01, 2017	2017 through 2021 No significant land use applications were received.
4-5 Implement procedure to allow public comment on site development (Ongoing)	Ongoing	The land use application process allows for public comment on land use applications which are submitted to the Inland Wetlands Agency and the Planning & Zoning	Compliance when applicable	Land Use Department	July 01, 2017	2017 through 2021 No significant land use applications were received.

		Commission during the Public Hearing Process when applicable.				
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	Ongoing	Since the inception of the MS4 program Nathan L. Jacobson & Associates, Inc., Town Engineer, has made developers and engineers aware of the need to register for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities in engineering review letters which are typically prepared as part of the land use application process.	Compliance	Land Use Department and Nathan L. Jacobson & Associates, Inc., Town Engineer	July 01, 2017	
4-7 Develop stormwater compliance checklist	In Progress	Developing checklist to provide developers on stormwater management compliance requirements	Compliance	Land Use Department and Nathan L. Jacobson & Associates, Inc., Town Engineer	July 01, 2018	Reason for addition: Make it easier to ensure compliance with stormwater regulations

4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

2017 through 2021 - No significant land use applications were received. No significant land use applications are anticipated in 2022.

Integrate stormwater compliance checklist into review process once completed.

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

5.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Person Responsible and Department	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 07/01/22)	Ongoing	The current land use regulations encourage the utilization of LID and Green infrastructure.	The land use regulations will be revised to incorporate the requirements contained in Minimum Control Measure No. 5 - Post-Construction Runoff Control.	Board of Selectmen and Town Land Use Attorney		
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 07/01/22)	Ongoing	Nathan L. Jacobson & Associates, Inc., Town Engineer, encourages the use of LID BMPs as contained in the 2004 Connecticut Stormwater Quality Manual.	Nathan L. Jacobson & Associates, Inc., Town Engineer, encourages the use of LID BMPs as contained in the 2004 Connecticut Stormwater Quality Manual.	Land Use Department and Nathan L. Jacobson & Associates, Inc., Town Engineer	July 01, 2017	

<p>5-3 Identify retention and detention ponds in priority areas (Due 07/01/20)</p>	<p>In Progress</p>	<p>Retention Ponds, Detention Ponds and Hydrodynamic Separators will be inventoried.</p> <p>A GIS Map Layer will be created after the inventory. Part of the inventory process will be facility maintenance requirements.</p>	<p>Retention Ponds, Detention Ponds and Hydrodynamic Separators will be inventoried.</p> <p>A GIS Map Layer will be created after the inventory. Part of the inventory process will be facility maintenance requirements.</p>	<p>Nathan L. Jacobson & Associates, Inc., Town Engineer</p>	<p>Anticipated Completion Date: December 31, 2022.</p>	
<p>5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)</p>	<p>In Progress</p>	<p>Implementation of the Post-Construction Stormwater Management Facility Operation & Maintenance Plan Manual is anticipated to begin in 2022.</p>	<p>A Post-Construction Stormwater Management Facility Operation & Maintenance Plan Manual was prepared.</p>	<p>John Divis, Road Foreman, Department of Public Works and Nathan L. Jacobson & Associates, Inc., Town Engineer</p>	<p>Anticipated initiating by December 31, 2022.</p>	
<p>5-5 DCIA mapping (Due 07/01/20)</p>	<p>Complete</p>	<p>Completed the process of DCIA Mapping from base mapping prepared by UConn CLEAR.</p>	<p>Compliance</p>	<p>Nathan L. Jacobson & Associates, Inc., Town Engineer</p>	<p>2018 and revised in 2019.</p>	
<p>5-6 Address post-construction issues in areas with pollutants of concern</p>	<p>In Process</p>			<p>Nathan L. Jacobson & Associates, Inc., Town Engineer</p>		

5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

Procedures outlined in the Post-Construction Stormwater Management Facility Operation & Maintenance Plan Manual will be implemented in 2022.

5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/post-construction.htm>. Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	11.89 acres 2% Reduction = 0.238 Acre
DCIA disconnected (redevelopment plus retrofits)	0 acres this year 0 acres total
Retrofit projects completed	Main Street Reconstruction A Hydrodynamic Separator was installed as part of the project which reduced sediment loads to Pattaconk Brook.
DCIA disconnected	0% this year 0% total since 2012
Estimated cost of retrofits	\$39,000 - Hydrodynamic Separator
Detention or retention ponds identified	5 this year/5 total

5.4 Briefly describe the method to be used to determine baseline DCIA.

Based on information contained in the Factsheet: *Town of Chester Water Quality and Stormwater Summary*, prepared by the CT DEEP, 633.67 acres of the town has an impervious area exceeding 12% which is approximately 5.90% of the town. 185.65 acres have an impervious cover of ranging from 12% to 25%, 289.68 acres have an impervious cover ranging from 26% to 50%, 121.65 acres have an impervious cover ranging from 51% to 75% and 36.69 acres have an impervious cover ranging from 76% to 100%.

Based on information contained in the MS4 mapping tab of Connecticut Environmental Conditions Online (CT ECO) The impervious surface area consists of 105.95 acres of buildings, 182.31 acres of roads and 221.28 acres of other impervious surfaces for a total impervious surface area of 509.54 acres.

The DCIA Mapping was conducted in substantial accordance with the methodologies presented in the October 25, 2017 UConn CLEAR Webinar entitled *CT MS4 Mapping Details, Clarifications and Tools*, the October 19, 2018 UConn CLEAR Workshop entitled *CT MS4 Mapping Workshop* as well as information contained in the EPA reference entitled *Estimating Change in Impervious Area (IA) and Directly Connected Impervious Area (DCIA) for Massachusetts Small MS4 Permit utilizing Sutherland equations*.

The DCIA computations were prepared utilizing Connecticut Environmental Conditions Online MS4 base mapping prepared by UConn CLEAR.

Impaired waters were determined from the reports entitled *2016 Integrated Water Quality Report*, dated April, 2017 and the *2018 Integrated Water Quality Report*, dated August 01, 2019, prepared by the State of Connecticut Department of Energy and Environmental Protection.

The method to determine the 2012 baseline DCIA was to first compile the CT DEEP drainage basin characteristics in a Microsoft Excel spreadsheet. Information on the Connecticut Environmental Conditions Online MS4 Mapping was used to determine the impervious area breakdown as Buildings, Roads and Other. For CT DEEP drainage basins that fell in two or more municipalities the advanced mapping tab of Connecticut Environmental Conditions Online was used to delineate and determine the applicable town CT DEEP basin area. It was assumed that the entire drainage basin characteristics were directly proportional to the applicable town CT DEEP drainage basin area.

In that ConnDOT has a MS4 Stormwater Program which applies to state owned roads and facilities which the town has no control over, it was decided that the impervious state road area would be determined and deducted from the total impervious road area for each CT DEEP drainage basin as the impervious road areas associated with state highways and facilities constitutes a considerable portion of the total town impervious road area.

The ConnDOT state highway, parking lot and facility impervious road areas were then determined for each CT DEEP drainage basin.

The ConnDOT state highway, parking lot and facility impervious road areas were then deducted from the total town impervious road area to determine a town owned impervious road area for each CT DEEP drainage basin.

Subsequent to the above deduction, the total impervious area in acres and percentage was then recomputed for each CT DEEP drainage basin.

The DCIA formula for each of four development types was then utilized to compute the DCIA. The impervious area in acres was assigned to each of the four Sutherland equations which were modified for the northeastern United State. The Sutherland equation to be utilized was determined using the following methodology:

For impervious percentage less than 6%:

100% of the impervious area was assigned to the slight connectivity Sutherland Equation where $DCIA\% = 0.01*(IA\%)^{2.0}$

For an impervious area between 6% and 12 %:

50% of the area was assigned to the partial connectivity Sutherland Equation where $DCIA\% = 0.04*(IA\%)^{1.7}$
and
50% was assigned to the average connectivity Sutherland Equation where $DCIA\% = 0.10*(IA\%)^{1.5}$

For an impervious area between 12% and 18 %:

50% of the area was assigned to the average connectivity Sutherland Equation where $DCIA\% = 0.10*(IA\%)^{1.5}$
and
50% was assigned to the high connectivity Sutherland Equation where $DCIA\% = 0.40*(IA\%)^{1.2}$

For an impervious area of greater than 18 %:

100% of the area was assigned to the high connectivity Sutherland Equation where $DCIA\% = 0.40*(IA\%)^{1.2}$

The DCIA for each CT DEEP drainage basin was then summed to determine the entire town DCIA.

Subsequent to completion of 2012 Baseline DCIA computations, UConn CLEAR Mapping available on Connecticut Environmental Conditions Online (CT ECO) was revised to separate road impervious area into State Road Impervious Area (Acres) and Town Road Impervious Area (Acres).

The original 2012 Baseline DCIA computations were revised utilizing the UConn CLEAR State Road Impervious Area (Acres) and Town Road Impervious Area (Acres). No major 2012 Baseline DCIA computation discrepancies were noted.

Land use files will be reviewed to determine disconnection of DCIA since July 01, 2012 for utilization in reaching the CT DEEP goal of 2% disconnection of DCIA by June 30, 2022.

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

6.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Person/Department Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
6-1 Develop and implement formal employee training program (Ongoing)	In Progress	2017 through 2021 - None		John Divis, Road Foreman, Department of Public Works and Board of Selectmen		It is anticipated that formal employee training will be conducted in 2022 if pandemic restrictions allow.
6-2 Implement MS4 property and operations maintenance (Ongoing)	Ongoing	Continue to maintain town owned equipment and properties in an environmentally responsible manner.	Reduction in environmental degradation.	John Divis, Road Foreman, Department of Public Works	July 01, 2017	
6-3 Implement coordination with interconnected MS4s	Ongoing	The Town of Chester continued to coordinate MS4 responsibilities with the Towns of Haddam, Killingworth and Deep River	Compliance	John Divis, Road Foreman, Department of Public Works	July 01, 2017	
6-4 Develop and implement program to control other sources of pollutants to the MS4	In Progress	None	Not Applicable	Board of Selectmen and Nathan L. Jacobson & Associates, Inc., Town Engineer	Anticipated to be developed in 2022.	
6-5 Evaluate additional measures for discharges to impaired waters*	In Progress	None	Not Applicable	Board of Selectmen and Nathan L. Jacobson & Associates, Inc., Town Engineer	Anticipated to be developed in 2022.	

6-6 Track projects that disconnect DCIA (Ongoing)	Ongoing	2017 through 2021 - None Projects approved to date consists predominantly of new single family homes on approved lots.	Compliance	Nathan L. Jacobson & Associates, Inc., Town Engineer	Will be tracked whenever possible. No large projects which could result in DCIA disconnection have been constructed.	
6-7 Implement infrastructure repair/rehab program (Due 07/01/21)	In Progress	2017 through 2021 - None	Working to compliance in 2022	John Divis, Road Foreman, Department of Public Works	Anticipated to be developed in 2022.	
6-8 Develop and implement plan to identify/prioritize retrofit projects (Due 07/01/20)	In Progress	2017 through 2021 - None	Working to compliance in 2022	Nathan L. Jacobson & Associates, Inc., Town Engineer and John Divis, Road Foreman, Department of Public Works	Anticipated to be developed in 2022.	
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 07/01/22)	In Progress	2017 through 2021 - None Projects approved to date consists predominantly of new single family homes on approved lots. DCIA disconnection opportunities are rare.	Will be implemented when applicable projects are reviewed.	John Divis, Road Foreman, Department of Public Works and Nathan L. Jacobson & Associates, Inc., Town Engineer And		
6-10 Develop and implement street sweeping program (Ongoing)	Ongoing	The Town of Chester currently implements a street sweeping program that conforms to CT DEEP guidance.	Compliance	John Divis, Road Foreman, Department of Public Works	July 01, 2017	
6-11 Develop and implement catch basin cleaning program (Ongoing)	Ongoing	The Town of Chester currently implements a catch basin cleaning program that conforms to CT DEEP guidance.	Compliance	John Divis, Road Foreman, Department of Public Works	July 01, 2017	

6-12 Develop and implement snow management practices (Due 07/01/18)	Ongoing	The Town of Chester currently implements snow management practices that conforms to CT DEEP guidance.	Compliance	John Divis, Road Foreman, Department of Public Works	July 01, 2017	
6-13 Map & Inventory highly erosive areas in town road right-of-ways	Not started	Collect information on eroding areas in town road right-of-ways from highway maintenance personnel over course of normal operations	Identify areas contributing large volume of sediment to town waterbodies	John Divis, Road Foreman, Department of Public Works	December 31, 2022	Reduce sedimentation of waterways near town ROWs

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

It is anticipated that all town roads will be swept at least one time and all catch basins and headwalls will be vactored in 2022.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	2017 through 2021 - No Employee Training Conducted To be initiated in 2022.
Street sweeping	
Curb miles swept	31.01 miles Downtown street and parking lots are swept monthly from May to October
Volume (or mass) of material collected	2017 - Not Measured 2018 - 180-200 C.Y. 2019 - 165± C.Y. 2020 - 190± C.Y. 2021 - 170± C.Y.
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	To Be Determined
Total catch basins town-wide	500±
Catch basins inspected	2017 through 2021 - 500± (All Catch Basins) and 100+ Headwalls
Catch basins cleaned	2017 through 2021 - 500± (All Catch Basins) and 100+ Headwalls
Volume (or mass) of material removed from all catch basins	2017 - Not Measured 2018 - 300 to 350 C.Y. 2019 - 355± C.Y.

	2020 - 250± C.Y. 2021 - 350± C.Y. to 400± C.Y.
Volume removed from catch basins to impaired waters (if known)	2017 - Not Measured 2018 - Not Measured 2019 - Not Measured 2020 - Not Measured 2021 - Not Measured Will be estimated on 2022.
Snow management	
Type(s) of deicing material used	Deicing Mix Majority of Town 4 Parts Sand to 1 Part NaCl Salt Downtown Area Ice B'Gone Pretreated NaCl
Total amount of each deicing material applied	Winter 2017 to 2018 - Not Determined Winter 2018 to 2019 - Not Determined Winter 2019 to 2020 - Not Determined Winter 2020 to 2021 - 700± C.Y. to 850± C.Y. Winter 2021 to 2022 - 700± C.Y. to 850± C.Y.
Type(s) of deicing equipment used	Two Large Snow Plows/Spreaders One Medium Snow Plow/Spreader Three Small Snow Plows/Spreaders All Spreaders are manually controlled at an estimated application rate 150-200 pounds per lane (curb) mile at the beginning of the plowing season.
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	2017 through 2021 - 62.02 Lane-Miles
Snow disposal location	Roadside
Staff training provided on application methods & equipment	2017 through 2021 - None
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	0%
Reduction in turf area (since start of permit)	0 acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	\$0

6.4 Catch Basin Cleaning Program

Provide any updates or modifications to your catch basin cleaning program.

It is estimated that there are approximately 500 catch basins and more than 100 headwalls in the Town of Chester. All of the catch basin and headwalls were cleaned in 2017 through 2021. Currently no updates or modifications are required.

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. (Due 7/1/20)

Storm Drainage Retrofit prioritization will be given to stormwater outfalls that are known to result in soil erosion and sedimentation. Prioritization will be given to the outfalls within the impaired water drainage basins with particular emphasis placed on stormwater outfalls which are located on fine grained glacial till soils. The retrofit program will be prioritized based on setback distance from watercourse and/or waterbodies.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection annually in future years. (Due 07/01/22)

Based on the 2012 Baseline DCIA mapping, which was completed in February 2019, the 2012 Baseline DCIA was determined to be 11.89 acres. To meet the CT DEEP goal of a 2% DCIA disconnect by 2022 will require disconnection of 0.238 acre of DCIA.

Land use files will be reviewed to determine disconnection of DCIA since July 01, 2012 for utilization in reaching the CT DEEP goal of 2% disconnection of DCIA by June 30, 2022.

A downtown sidewalk project was designed in 2019 for the 2020 construction season. The design incorporated a hydrodynamic separator which will result in reduction of sediment and pollutant loads from a direct discharge to Pattaconk Brook.

The Town of Chester is a small rural town with limited opportunities for DCIA disconnection both municipal and private. Consequently, DCIA disconnection will most likely be accomplished by small reconstruction projects. The town intends to implement DCIA Disconnection whenever possible.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/monitoring.htm>. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: <http://s.uconn.edu/ctms4map>.

Nitrogen/ Phosphorus Bacteria Mercury Other Pollutant of Concern

The Connecticut River is the only impaired water in Chester

1.2 Describe program status

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.

2017 through 2021 - No impaired water investigations or monitoring was conducted.

2022 - Town-wide MS4 stormwater outfall mapping was completed in 2018. All MS4 stormwater outfalls that were field located and discharge directly to the Connecticut River within the limits of the impaired waters of the Connecticut River (northern portion of Chester) will be sampled.

2. Screening Data for Outfalls to Impaired Waterbodies (Section 6(i)(1) / page 41)

2.1 Screening Data

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

Each Annual Report will add on to the previous year's data showing a cumulative list of sampling data.

Outfall ID	Latitude & Longitude	Sample Date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required? *
I-1	N 41.40717 E 72.43158	12/07/04	E. coli (#/100 ml)	>60	Phoenix Environmental Laboratories, Inc. (PELI)	
I-1	N 41.40717 E 72.43158	11/30/05	E. coli	140	PELI	
I-1	N 41.40717 E 72.43158	12/01/06	E. coli	360	PELI	
I-1	N 41.40717 E 72.43158	09/11/07	E. coli	360	PELI	
I-1	N 41.40717 E 72.43158	06/09/09	E coli	14,140	PELI	
I-1	N 41.40717 E 72.43158	10/07/09	E coli	14,140	PELI	
I-1	N 41.40717 E 72.43158	11/04/10	E coli	2,720	PELI	
I-1	N 41.40717 E 72.43158	10/19/11	E coli	590	PELI	
I-1	N 41.40717 E 72.43158	11/13/12	E coli	7,700	PELI	
I-1	N 41.40717 E 72.43158	12/23/13	E coli	3,450	PELI	
I-1	N 41.40717 E 72.43158	08/13/14	E coli	13,000	PELI	
I-1	N 41.40717 E 72.43158	08/11/15	E coli	13,000	PELI	
I-1	N 41.40717 E 72.43158	11/15/16	E coli	504	PELI	

2017 through 2021 - No impaired waters outfall screening was conducted.

2022 - It is anticipated that impaired waters outfall screening will be conducted.

Follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	Pollutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	<ul style="list-style-type: none"> • E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others • Total Coliform > 500 col/100ml
Bacteria (salt waterbody)	<ul style="list-style-type: none"> • Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB • Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

3. Follow-Up Investigations (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall ID	Status of drainage area investigation	Control measure to address impairment

2022 - Follow up investigations will be conducted after the initial rounds of screening and sampling.

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

Once outfall sampling has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 01, 2021.

Outfall	Latitude & Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)

2017 through 2021 - No prioritized outfall screening or sampling was conducted.

2022 - It is anticipated that prioritized outfall screening or sampling will be conducted.

Part III: Additional IDDE Program Data

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

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
4017-01-2-R1 15.8% Imp. 14.2% Imp.		1
4017-00-2-R1 11.8% Imp. 10.5% Imp.		2
4000-57-2-R1 11.9% Imp. 10.0% Imp.		3
4017-03-1* 20.9% Imp. 18.8% Imp.		4

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

2.1 Dry Weather Screening and Sampling Data from Outfalls and Interconnections

For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/monitoring.htm>. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

Outfall / Interconnection ID	Latitude & Longitude	Screening Sample Date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of Concern	If required, follow-up actions taken

2017 through 2021 - No dry weather outfall screening or dry weather outfall sampling was conducted.

2022 - It is anticipated that dry weather outfall screening and dry weather outfall sampling, where appropriate, will be conducted.

2.2 Wet Weather Inspection and Sample Data

For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/monitoring.htm>. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor.

Outfall or Interconnection ID	Latitude & Longitude	Sample Date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of Concern

2017 through 2021 - No wet weather outfall screening or dry weather outfall sampling was conducted.

2022 - It is anticipated that wet weather outfall screening and wet weather outfall sampling, where appropriate, will be conducted.

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. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

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

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

Key Junction Manhole ID	Latitude & Longitude	Screening Sample Date	Visual/Olfactory Evidence of Illicit Discharge	Ammonia	Chlorine	Surfactants

2017 through 2021 - No junction manhole dry weather outfall screening or dry weather outfall sampling was conducted.

2022 - It is anticipated that junction manhole dry weather outfall screening and dry weather outfall sampling, where appropriate, will be conducted

3.3 Wet Weather Investigation Outfall Sampling Data

Outfall ID	Latitude & Longitude	Sample Date	Ammonia	Chlorine	Surfactants

2017 through 2021 - No wet weather outfall screening or wet weather outfall sampling was conducted.

2022 - It is anticipated that wet weather outfall screening and wet weather outfall sampling, where appropriate, will be conducted

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

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
Print Name: Charlene Janecek, First Selectwoman	Print Name: Wade M. Thomas, CPMSM
Signature: Date: May , 2022	Signature: Date: May , 2022
Email: firstselectman@chesterct.org	Email: wthomas@nlja.com