



# Annual Report Form For Individual NPDES Permits For Municipal Separate Storm Sewer Systems (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by email to the NPDES Stormwater Program Administrator or to the MS4 coordinator (<http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>). Files larger than 10MB may be placed on the FTP site at: [ftp://ftp.dep.state.fl.us/pub/NPDES\\_Stormwater/](ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/). After uploading files, email the MS4 coordinator or NPDES Program Administrator to notify them the report is ready for downloading; or by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

**Submit the form and attachments to:**  
 Florida Department of Environmental  
 Protection  
 Mail Station 3585  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400

## SECTION I. BACKGROUND INFORMATION

<b>A.</b>	Permittee Name: Town of Haverhill		
<b>B.</b>	Permit Name: Palm Beach County MS4		
<b>C.</b>	Permit Number: FLS000018-004		
<b>D.</b>	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input checked="" type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
<b>E.</b>	Reporting Time Period (month/year): October 1 / 2019 through September 30 / 2020		
<b>F.</b>	Name of the Responsible Authority: Jay G. Foy		
	Title: Mayor		
	Mailing Address: 4585 Charlotte Street		
	City: Haverhill	Zip Code: 33417-5911	County: Palm Beach
	Telephone Number: 561-689-0370		Fax Number: 561-689-4317
<b>G.</b>	E-mail Address: jfoy@townofhaverhill-fl.gov		
	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Todd McLeod, P.E.		
	Title: Town Engineer		
	Department: McLeod McCarthy and Associates, P.A		
	Mailing Address: 1655 Palm Beach Lakes Blvd., Suite 901		
	City: West Palm Beach	Zip Code: 33401	County: Palm Beach
<b>H.</b>	Telephone Number: 561-689-9500		Fax Number: N/A
	E-mail Address: todd@mcleodmccarthy.com		

## SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)

<b>A.</b>	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>B.</b>	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>C.</b>	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

**SECTION III. PART V.B. ASSESSMENT PROGRAM**

<b>A.</b>	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: PBC Joint Annual Report Status: The monitoring program is carried out jointly by the PBC permittees. See the PBC Joint Annual Report. The information relevant to the permittee's outfalls is addressed within the Annual Assessment Report documents, provided herewithin.</p>
<b>B.</b>	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year. <i>DEP Note: Results must be specific to the permittee's SWMP.</i></p> <p>See attached Annual Assessment Report (based on our approved Pollutant Assessment Plan).</p>
<b>C.</b>	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. <i>DEP Note: Analysis must be specific to the permittee's SWMP.</i></p> <p>See attached Annual Assessment Report.</p>

**SECTION IV. FISCAL ANALYSIS**

<b>A.</b>	Total expenditures for the NPDES stormwater management program for the current reporting year: \$17,000*
<b>B.</b>	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$13,600
<b>C.</b>	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>The current year's expenditures were higher due to the increased costs of preparing for, attending and responding to comments from the FDEP Audit and revising SOPs.</p>

**SECTION V. MATERIALS TO BE SUBMITTED WITH THIS ANNUAL REPORT FORM**

Only the following materials are to be submitted to the Department along with this fully completed and signed Annual Report Form (check the appropriate box to indicate whether the item is attached or is not applicable):

Attached	N/A	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	See Joint Annual Report and attached Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	Attachment 1
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	No amendments to legal authority in report year
<input checked="" type="checkbox"/>	<input type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"><li>• The monitoring plan (with revisions, if applicable).</li><li>• If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.</li></ul>	Part V.B.3 Part V.A.3	See Joint Annual Report and attached Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	

**DO NOT SUBMIT ANY OTHER MATERIALS**

(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

**SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE**

*The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C:*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Jay G. Foy

Title: Mayor

Signature: 

Date: 3/31/21

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE									
A.	B.					C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1	<b>Structural Controls and Stormwater Collection Systems Operation</b>								
	Report the current known inventory.  Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained.  <i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i>								
	Type of Structure	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
	Exfiltration trench / French drains (lf)	1820	4	100%	0	0	TOH NPDES Inlet Inspection Sheets	Todd McCleod Town Engineer (Consultant)	Quarterly Inspections in conjunction w/inlets
	Weirs or other control structures	1	12	100	10	100%	TOH Inspection & Trash Record Book	TOH Public Works	Monthly Inspections
	pipes / culverts (miles)	0.85	12	100	0	100%	TOH Inspection & Trash Record Book	TOH Public Works	Monthly Inspections
	Inlets / catch basins / grates	62	744	100	744	100%	TOH NPDES Inlet Inspection Sheets	Todd McCleod Town Engineer (Consultant)	Quarterly Inspections
	Ditches / conveyance swales (miles)	16.3	12	100	12	100%	TOH Inspection & Trash Record Book	, TOH Public Works	Monthly Mowing
	If the minimum inspection frequencies set forth in Table II.A.1.a. were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.								
	<input type="checkbox"/>								

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<b>Part III.A.1 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b> The program clearly outlines the required frequency of inspections and maintenance for all structural components along with required inspection and maintenance activities. Reporting of inspections and maintenance is required for inclusion in the annual report.				
	<b>Limitations:</b> No limitations in the program have been identified.				
	<b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.				
<b>Part III.A.2</b>	<b>Areas of New Development and Significant Redevelopment</b>				
	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.				
	Number of significant development projects reviewed	1	Development Review Log	Todd McLeod TOH Engineer	Plat redevelopment for Haverhill Courts
	Number of significant development projects approved	0	Development Review Log	Todd McLeod TOH Engineer	Waiting on resubmittal for Haverhill Courts
	Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation. No activities were identified to be implemented. Therefore, there was no follow-up plan on implementation.				
	Year 2 ONLY: Attach the summary report of the review activity	<input type="checkbox"/>	N/A	N/A	N/A
	Year 4 ONLY: Attach the follow-up report on plan implementation	<input checked="" type="checkbox"/>	Council Mtg Agendas	Town Administration	No changes to Plan Implementation
<b>Part III.A.2 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b> Significant redevelopment is required to meet the Town of Haverhill's Code of Ordinances/Land Development Regulations which includes provisions for the implementation of BMP's and storm water quality treatment. When permits are issued, notification of the ERP and CGP permit requirements are also noted as a requirement of the permit conditions.				
	<b>Limitations:</b> No limitations in the program have been identified.				
	<b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.				
<b>Part III.A.3</b>	<b>Roadways</b>				
	Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected.  <i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i>				
	PERMITTEE Litter Control: Frequency of litter collection	5 days/week	TOH Inspection & Trash Record	Rodrick Jones, TOH Employee	Swale and Right-of-Way

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	<b>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</b>		Book		Cleanup
		44,880	TOH Inspection & Trash Record Book	Rodrick Jones, TOH Employee	Swale and Right-of-Way Cleanup
	<b>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</b>	222 bags	TOH Inspection & Trash Record Book	Rodrick Jones, TOH Employee	Swale and Right-of-Way Cleanup
	<b>CONTRACTOR Litter Control: Frequency of litter collection</b>	0	N/A	N/A	N/A
	<b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b>	0	N/A	N/A	N/A
	<b>CONTRACTOR Litter Control: Estimated amount of litter collected (cy)</b>	0	N/A	N/A	N/A
	OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. If you do not participate in an Adopt-A-Road program, report "0".				
	<b>Trash Pick-up Events: Total miles cleaned</b>	0	N/A	N/A	N/A
	<b>Trash Pick-up Events: Estimated amount of litter collected (cy)</b>	0	N/A	N/A	N/A
	<b>Adopt-A-Road: Total miles cleaned</b>	N/A	N/A	N/A	N/A
	<b>Adopt-A-Road: Estimated amount of litter collected (cy)</b>	N/A	N/A	N/A	N/A
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.				
	The major roads that run through the Town of Haverhill are swept by Palm Beach County. The remaining roads in the Town do not have a curb and gutter system. Instead the roads utilize grass lined swales and do not require street sweeping.				
	<b>Frequency of street sweeping</b>	Quarterly	N/A	N/A	See comment above
	<b>Total miles swept</b>	5.6	N/A	N/A	1.4 miles on 4 occasions
	<b>Estimated quantity of sweeping material collected (cy / tons)</b>	16 CY	N/A	N/A	See comment above
	<b>Total phosphorous loadings removed (pounds)</b>	13	Spreadsheet Calcs	Engineer AECOM	Load Reduction Tool
	<b>Total nitrogen loadings removed (pounds)</b>	21	Spreadsheet Calcs	Engineer AECOM	Load Reduction Tool
Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.					
<b>Name of Facility</b>	<b>Number of Inspections</b>				
0- there are no equipment yards or maintenance shops	0	SOP	Pubic Works	No road Maintenance	

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<b>Part III.A.3 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b> The Town of Haverhill implements a litter control program that includes roadway litter cleanup.				
	<b>Limitations:</b> No limitations in the program have been identified.				
	<b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.				
<b>Part III.A.4</b>	<b>Flood Control Projects</b>				
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not.				
	Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.				
	<b>Flood control projects completed during the reporting period</b>	0	CIP	Public Works	
	<b>Flood control projects completed that did <u>not</u> include stormwater treatment</b>	0	CIP	Public Works	
	<b>Stormwater retrofit projects planned/under construction</b>	0	CIP	Public Works	
	<b>Stormwater retrofit projects completed</b>	0	CIP	Public Works	
	If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.				
<b>Part III.A.4 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b> When flood control projects are implemented, they are designed and constructed to meet the water quality requirements of the Environmental Resource Permitting rules of the South Florida Water Management District.				
	<b>Limitations:</b> No limitations in the program have been identified.				
	<b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.				
<b>Part III.A.5</b>	<b>Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit</b>				
	Report the applicable facilities and the number of the inspections conducted for each facility.				
	<b>Name of Facility</b>	<b>Number of Inspections</b>			
	No TSD Facilities	0	0	Public Works	No TSD Facilities
<b>Part III.A.5 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b> Not applicable. The Town of Haverhill does not have any TSD facilities.				
	<b>Limitations:</b> Not applicable				
	<b>SWMP revisions implemented to address limitations:</b> Not applicable				
<b>Part III.A.6</b>	<b>Pesticides, Herbicides, and Fertilizer Application</b>				
	Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed.				



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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Report the number of permittee personnel who have been trained through the Green Industry BMP Program and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.				
	<b>PERSONNEL: FDACS public applicators of pesticides/herbicides</b>	0	0	Public Works	No applic. of P&H by TOH
	<b>CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</b>	1	TOH Contracts	Clark Environmental Mosquito	Current License on File
	<b>PERSONNEL: Green Industry BMP Program training completed</b>	0	SOP	Town Admin.	
	<b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b>	0	SOP	Town Admin.	No Fertilizer Applied
	Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.				
	<b>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b>	<input type="checkbox"/>			
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	<b>Public Education and Outreach Program</b>	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	<b>Newsletters: Number of newsletters distributed</b>	632	Newsletters were sent to 632 homes on 1 occasion	TOH	
<b>Part III.A.6 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b> The program requires proper certification and licensing for all applicators used to apply pesticides or herbicides on applicant owned property. A public education and outreach program is in place and is carried out as a joint effort by the Palm Beach County Co-permittees.				
	<b>Limitations:</b> No limitations in the program have been identified.				
	<b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.				
<b>Part III.A.7.a</b>	<b>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</b>				
	Report amendments in Year 4.				
	<b>Year 4 ONLY: Attach a report on amendments to applicable legal authority</b>	0	Council Minutes	TOH	There were no amendments to legal authority.
<b>Part III.A.7.c</b>	<b>Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal</b>				
	Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the				

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	number and type of enforcement actions taken.				
	Proactive inspections for suspected illicit discharges	259	TOH NPDES Inlet Inspection Sheets	Mike Brady/Paul Beaudreau (McCleod McCarthy & Assoc.)	Inspections conducted during inlet/catch basin/grate inspections
	Illicit discharges found during a proactive inspection	0	Inlet Inspection Sheets	McCleod McCarthy & Assoc.	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	Code Enforcement Log	Code Enforcement	
	Report on the reactive investigation program as it relates to responding to reports of suspected illicit discharges, including the number of reports received, the number of investigations conducted, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Reports of suspected illicit discharges received	0	Phone Log	Town Admin.	
	Reactive investigations of reports of suspected illicit discharges etc.	0	Inspection Log	Code Enforcement	
	Illicit discharges etc. found during reactive investigation	0	Inspection Log	Code Enforcement	
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Code Enforcement Log	Code Enforcement	
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	2	Joint Training Attendance Logs	PB County Steering Committee	Karen Brandon & Mike Brady
	Contractors trained	0	Joint Training Attendance Logs	PB County Steering Committee	
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
	Report on the spill prevention and response activities, including the number of spills addressed.				
	Hazardous and non-hazardous material spills responded to	0	Incident Record	PBC Fire Dept	No Spills
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	2	Joint Training Attendance	PB County Steering	Karen Brandon & Mike Brady

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	Contractors trained	0	Logs Joint Training Attendance Logs	Committee PB County Steering Committee	
Part III.A.7.e	<b>Illicit Discharges and Improper Disposal — Public Reporting</b>				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	<b>Public Education and Outreach Program</b>	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	<b>Newsletters: Number of newsletters distributed</b>	632	Newsletters were sent to 632 homes on 1 occasion	TOH	
Part III.A.7.f	<b>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</b>				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).				
	<b>Public Education and Outreach Program</b>	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	<b>Newsletters: Number of newsletters distributed</b>	632	Newsletters were sent to 632 homes on 1 occasion	TOH	
Part III.A.7.g	<b>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</b>				
	Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. Report only the SSOs and inflow / infiltration incidents into the MS4.				
	<b>Owner of the sanitary sewer system</b>	Palm Beach County			
	<b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b>	0	Email to PBCWUD	PBCWUD	Emailed PBCWUD and have not

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	<p>Activity to reduce/eliminate SSOs and I&amp;I: (description)</p> <p>SSO incidents discovered</p> <p>SSO incidents resolved</p> <p>Inflow / infiltration incidents discovered</p> <p>Inflow / infiltration incidents resolved</p>				received a response on SSOs and I&I incidents
		0	Email to PBCWUD	PBCWUD	Emailed PBCWUD and have not received a response on SSOs and I&I incidents
		0	Email to PBCWUD	PBCWUD	Emailed PBCWUD and have not received a response on SSOs and I&I incidents
		0	Email to PBCWUD	PBCWUD	Emailed PBCWUD and have not received a response on SSOs and I&I incidents
		0	Email to PBCWUD	PBCWUD	Emailed PBCWUD and have not received a response on SSOs and I&I incidents
		0	Email to PBCWUD	PBCWUD	Emailed PBCWUD and have not received a response on SSOs and I&I incidents

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE							
A.	B.			C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity			Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
<b>Part III.A.7 Summary</b>	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
	<b>Strengths:</b> The program includes proactive inspections for suspected illicit discharges as well as water quality sampling, if needed, to identify potential sources of illicit discharge.						
	<b>Limitations:</b> No limitations in the program have been identified.						
	<b>SWMP Revisions implemented to address limitations:</b> No revisions are proposed.						
<b>Part III.A.8.a</b>	<b>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</b>						
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year.						
	Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.						
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions			
	Operating municipal landfills	0	0	0	FDEP Website	Town Engr	None
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	EPA Website	Town Engr	None
	EPCRA Title III, Section 313 facilities (TRI)	0	0	0	EPA website	Town Engr	None
	Facilities determined as high risk by the permittee	0	0	0	Illicit Program	Town Engr	There are no high risk facilities within the TOH
<b>Part III.A.8.b</b>	<b>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</b>						
	Report the number of high risk facilities sampled.						
	High risk facilities sampled	0		SOP	Town Staff	There are no high risk facilities within the TOH	
<b>Part III.A.8 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
	<b>Strengths:</b> The program inventories high risk industry facilities and details required inspection and reporting guidelines.						
	<b>Limitations:</b> No limitations in the program have been identified.						
	<b>SWMP revisions implemented to address limitations:</b> No revisions are proposed.						
<b>Part III.A.9.a</b>	<b>Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices</b>						
	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.						
	PERMITTEE SITES: Construction site plans reviewed	1		Construction	Todd McCleod	Culvert retrofit	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<b>PERMITTEE SITES: Construction site plans approved</b>  <b>PRIVATE SITES: Construction site plans reviewed</b>  <b>PRIVATE SITES: Construction site plans approved</b>		Site Plan Review Log		project at Woodland Avenue.
		1	Construction Site Plan Review Log	Todd McCleod	Culvert retrofit project at Woodland Avenue.
		0	Construction Site Plan Review Log	Todd McCleod	No new construction site plans were submitted for review during report period.
		0	Construction Site Plan Review Log	Todd McCleod	No new construction site plans were submitted for review during report period.
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	<b>Notified of ERP stormwater permit requirements</b>  <b>Confirmed ERP coverage</b>  <b>Notified of CGP stormwater permit requirements</b>  <b>Confirmed CGP coverage</b>	0	New Development/R edevelopment Permit Notification Log	Todd McCleod	
		0	New Development/R edevelopment Permit Notification Log	Todd McCleod	
		0	New Development/R edevelopment Permit Notification Log	Todd McCleod	
		0	New Development/R edevelopment Permit Notification Log	Todd McCleod	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE						
A.	B.		C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement					
	Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken.					
	PERMITTEE SITES: Active construction sites		1	Permit Log	Todd McCleod	Briarwood/Ber- kley Mews Drainage Repairs
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs		2	Permit Log	Todd McCleod	Briarwood/Ber- kley Mews Drainage Repairs
	PERMITTEE SITES: Percentage of active construction sites inspected		100%	Permit Log	Todd McCleod	Briarwood/Ber- kley Mews Drainage Repairs
	PRIVATE SITES: Active construction sites		0	Permit Log	Todd McCleod	
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs		0	Permit Log	Todd McCleod	
	PRIVATE SITES: Percentage of active construction sites inspected		0	Permit Log	Todd McCleod	
	Enforcement Action		0	Permit Log	Code Enforcement	
Part III.A.9.c	Construction Site Runoff — Site Operator Training					
	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).					
		DEP Certification	Annual Training			
	Permittee construction site inspectors	0	2	Joint Training Attendance Logs	PB County Steering Committee Refresher Training	Karen Brandon & Mike Brady
	Permittee construction site plan reviewers		0	Joint Training Attendance Logs	PB County Steering Committee Refresher Training	Plans reviewed by contracted Engineer
	Permittee construction site operators		0	Joint Training Attendance Logs	PB County Steering Committee	There are no TOH Construction

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE						
A.	B.		C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
					Refresher Training	Site Operators
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: The program requires regular inspection of both Town of Haverhill and private construction projects with documentation of said inspections. When deficiencies in the construction site erosion control measures are noted follow up inspections are conducted to document compliance					
	Limitations: No limitations in the program have been identified.					
	SWMP revisions implemented to address limitations: No revisions are proposed.					

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)		
<b>A.</b>	<b>Permit Citation/ SWMP Element</b>	<b>Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.</b>
	N/A	No changes proposed
<b>B.</b>	<b>Permit Citation/ SWMP Element</b>	<b>Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change)</b>
	N/A	No changes proposed



**SECTION IX. TMDL Status Report**

<b>A.</b>	YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.								
	<b>WBID Number</b>	<b>Segment/ Waterbody/ Basin</b>	<b>Pollutant of Concern</b>	<b>TMDL DEP / EPA</b>	<b>Percent Reduction (WLA)</b>	<b>Priority Rank</b>	<b>Priority Outfall</b>	<b>Monitoring Summary / BPCP Due Date</b>	<b>Supplemental SWMP Due Date</b>
	N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A) if BPCP)
				<input type="checkbox"/> / <input type="checkbox"/>					
<b>B.</b>	YEAR 3 and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented.  Year 3: Submit a Monitoring data summary or BPCP (if applicable). Year 4: Submit a Supplemental SWMP (if applicable).								
	<b>WBID Number</b>	<b>Pollutant of Concern</b>	<b>Monitoring Summary / BPCP Submitted</b>	<b>Supplemental SWMP Submitted</b>	<b>Projected load reductions OR Actual load reductions to date</b>				
	N/A		(Year 3 AR)	(Year 4 AR; N/A if BPCP)	See Joint Annual Report and attached Assessment Report				
<b>C.</b>	Provide a brief statement as to the status of TMDL implementation according to Part VIII.B of the permit (e.g. status of monitoring to validate WLA):  See Joint Annual Report and attached Water Quality Assessment Report								

## **Attachment 1**

### **Town of Haverhill NPDES Year 4 Report on Changes to Codes and Regulations**

For the report year 2019-2020, there were no changes to codes and regulations to reduce the stormwater impact from development within the Town of Haverhill. This was confirmed through discussions with the contracted Town Planner.

# Town of Haverhill

## MS4 Permit No. FLS000018-004

### Water Quality Assessment Report

#### 2019-2020 – Year 4

#### Overview

The purpose of this assessment program is to provide information for the Town of Haverhill to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies. Although currently, there is no indication that the Town has water quality issues, the objective of the Pollutant Loading Estimate Plan is to estimate Pollutant Loading from the MS4 contributing area based on land uses and Best Management practices (BMPs).

The Town of Haverhill consists primarily of residential land uses. Privately owned commercial properties are concentrated on the Palm Beach County (PBC) roadways which transect the Town, such as Belvedere Road and Haverhill Road. These roadways are served by separate PBC stormwater systems. The Town's two major NPDES outfalls serve residential drainage areas and discharge is to the Lake Worth Drainage District's L-4 Canal which borders the Town on the south, and which discharges to the South Florida Water Management's C-51 Canal.

#### Water Quality Monitoring

The Town of Haverhill is relying on the water quality data as collected by the Palm Beach County NPDES Co-Permittee Joint Water Quality Monitoring Program. A map of the Palm Beach County monitoring stations is attached for reference. The upstream station is in the SFWMD C-51 Canal at SR 7 and is

Based on the trendline graphs, the upstream TN at 37B is trending downward and the downstream TN is also trending downward at C51S155 at a slower rate.

Similarly, the upstream Chlorophyll-a at 37B is trending slightly downward and the downstream Chlorophyll-a at C51S155 is also trending downward at a higher rate, however, there are several years missing data.

The upstream TP at station 37B is trending in a slightly, but insignificant, upward direction; whereas, the downstream TP at C51S155 is trending downward.

#### Pollutant Loading Estimate

The Palm Beach County MS4 permittee group developed pollutant loading estimates during the 3<sup>rd</sup> year of this permit cycle, using the SIMPLE protocol. The pollutant loading estimates were presented in the report titled, *the Summary of Average Annual Pollutant Loading Model Activities* dated 2019 by Mock Roos. The group provided each permittee with pollutant loading estimates that reflect their respective MS4 areas based on the study by Mock Roos. The group's estimated pollutant loading results, based on land use and BMPs, was provided to each permittee for use in this assessment effort. The results from the

study are summarized in the table below and include a 6% reduction for public education as allowed by FDEP. The Palm Beach County MS4 Group conducts public outreach programs throughout the year. Additionally, the Town contracts out street sweeping services, which resulted in 13 lbs of Total Phosphorus load and 21 lbs of Total Nitrogen load being removed.

	Town of Haverhill Pollutant Loads (lbs/yr)					
	BOD <sub>5</sub>	TSS	TP	TN	Cu	Zn
2013	7,100	33,783	453	8,236	19	76
2018	6,718	32,160	438	8,144	17	70
After 6% Reduction	6,315	30,653	412	7,655	16	66
Less Street Sweeping			(-) 13	(-) 21		
Total Reduction	11.1%	9.3%	12.0%	7.3%	15.9%	13.4%

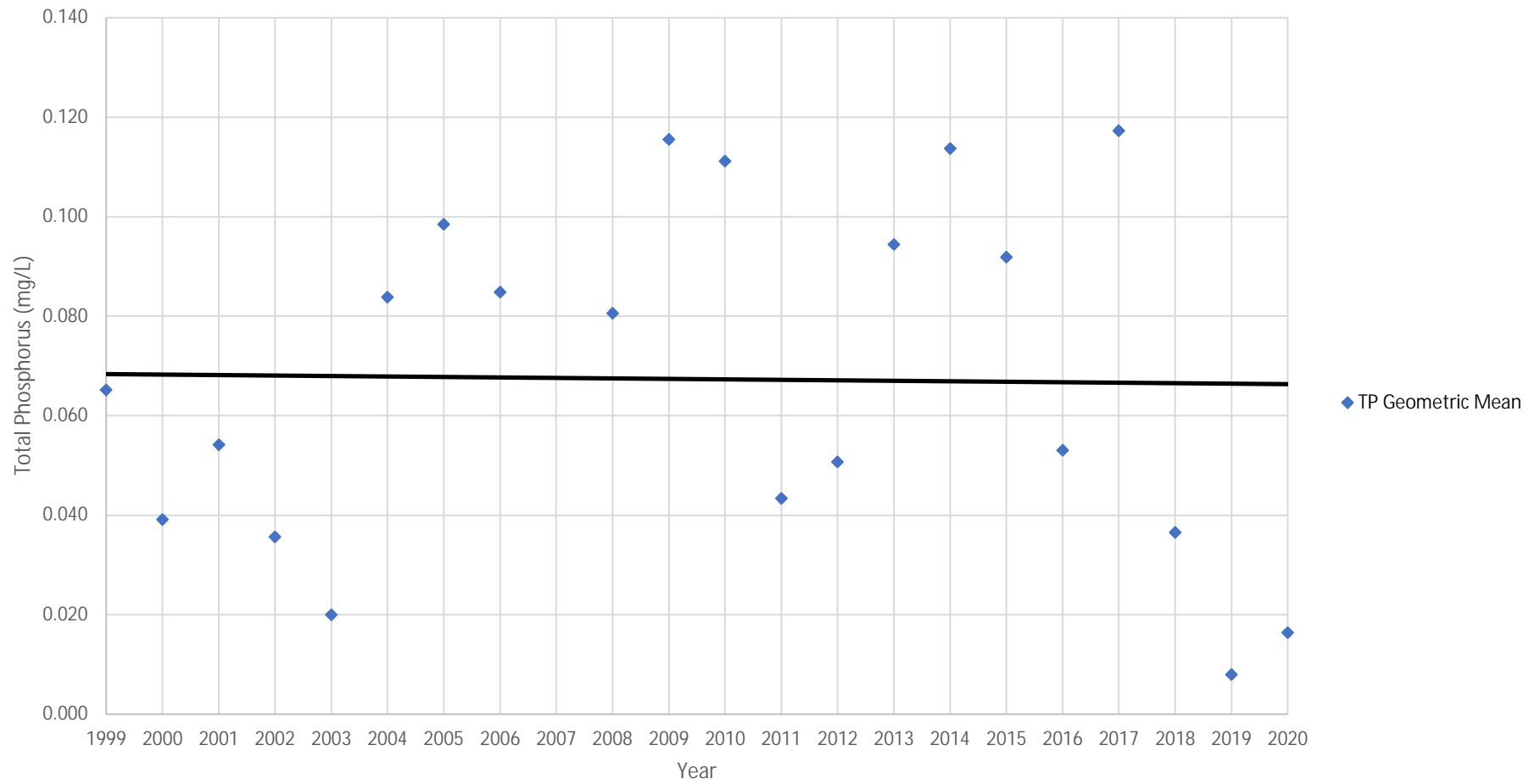
The pollutant loading estimates indicate lower pollutant loadings over the past two permit cycles. The Town of Haverhill's estimated pollutant loads make up only 0.16% of the MS4 total load within the C-51 Watershed and the combined MS4 area within the C-51 Watershed represents only 48.51% of the total basin loads. Therefore, the majority of the pollutant loading appears to be from non-MS4 sources (see group report).

#### Evaluation and Response Plan

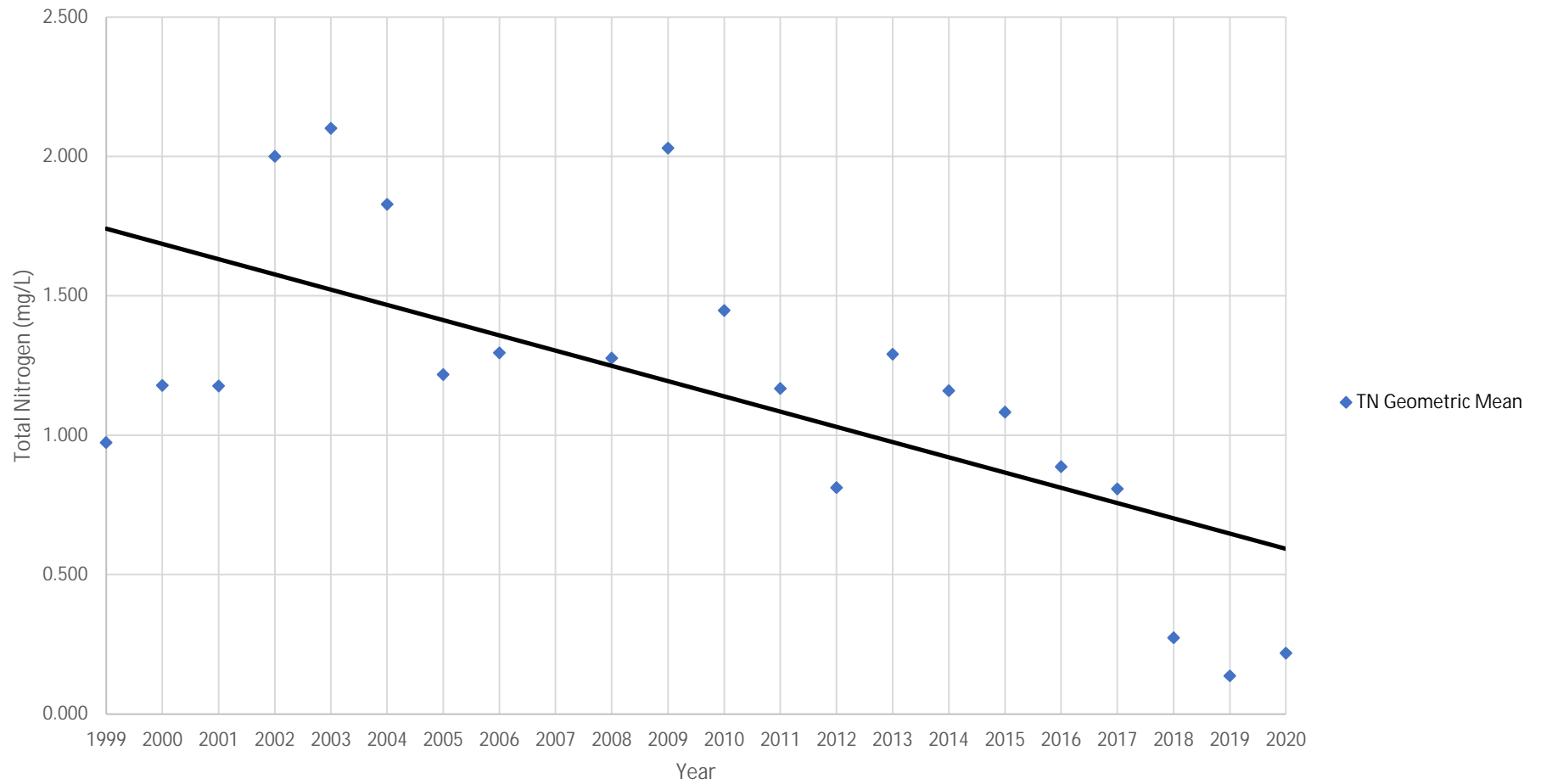
The Town of Haverhill has utilized data based on the sample results compiled for the Joint Annual Report. The first annual Water Quality Assessment report was prepared concurrent with the Year 3 Annual Report Form (March 2020). The pollutant loading estimates developed during Year 4 of the permit cycle have been reviewed and compared with the previous permit cycle, with respect to our MS4. In addition, water trending reports/graphs for various parameters, as presented in the Joint Annual Report, were reviewed and summarized.

Based on the data from the water quality monitoring and pollutant loading estimates, there is a general reduction in nutrients. Therefore, based on the evaluation herein, it can be concluded that the Town's Stormwater Management Programs (litter control, street sweeping, public education, maintenance, construction inspections, etc.) are effective, and as a result, the Town of Haverhill is not proposing any areas of the MS4 that need further improvement in load reduction.

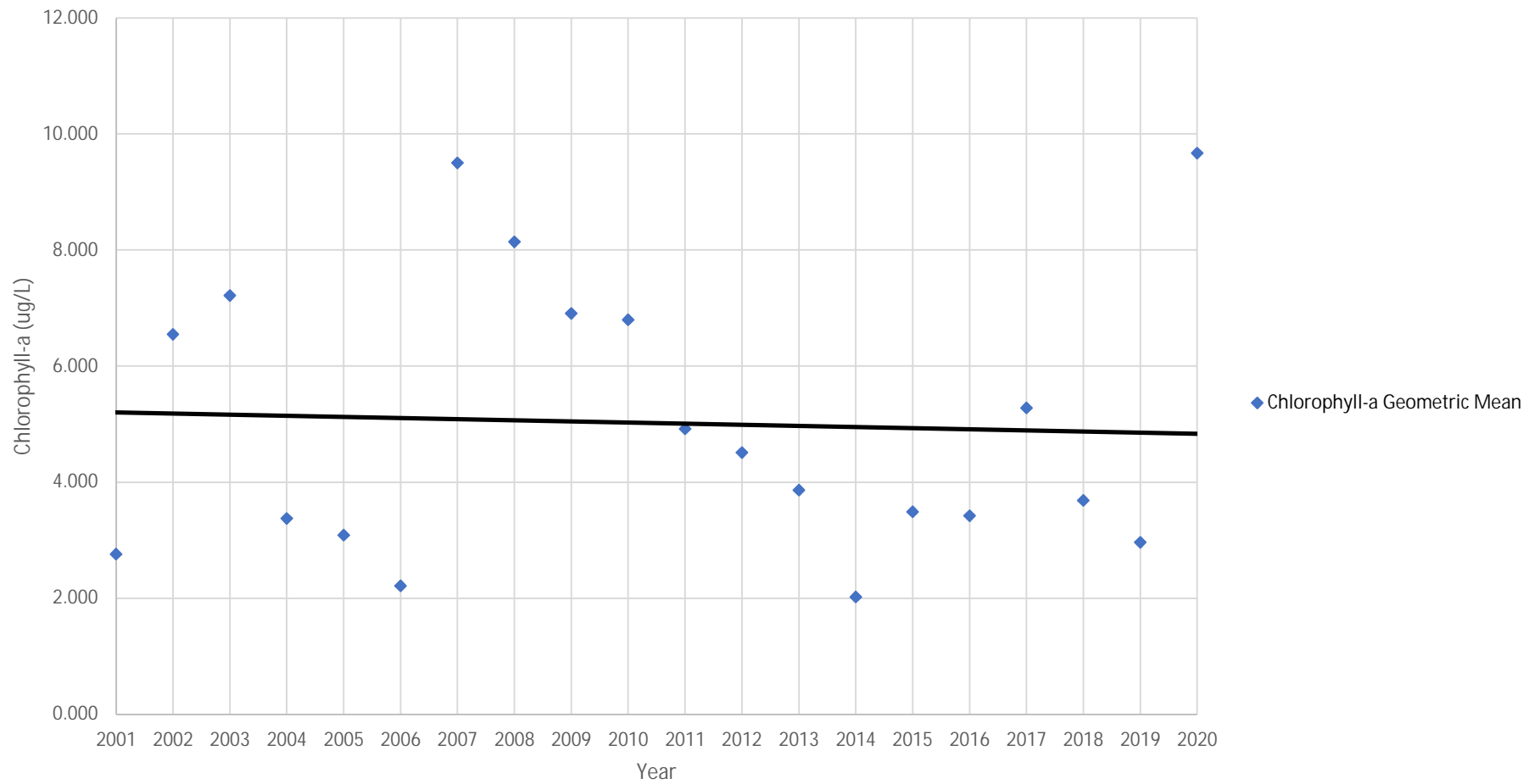
### 37B Phosphorus, Total (Annual Geometric Mean)



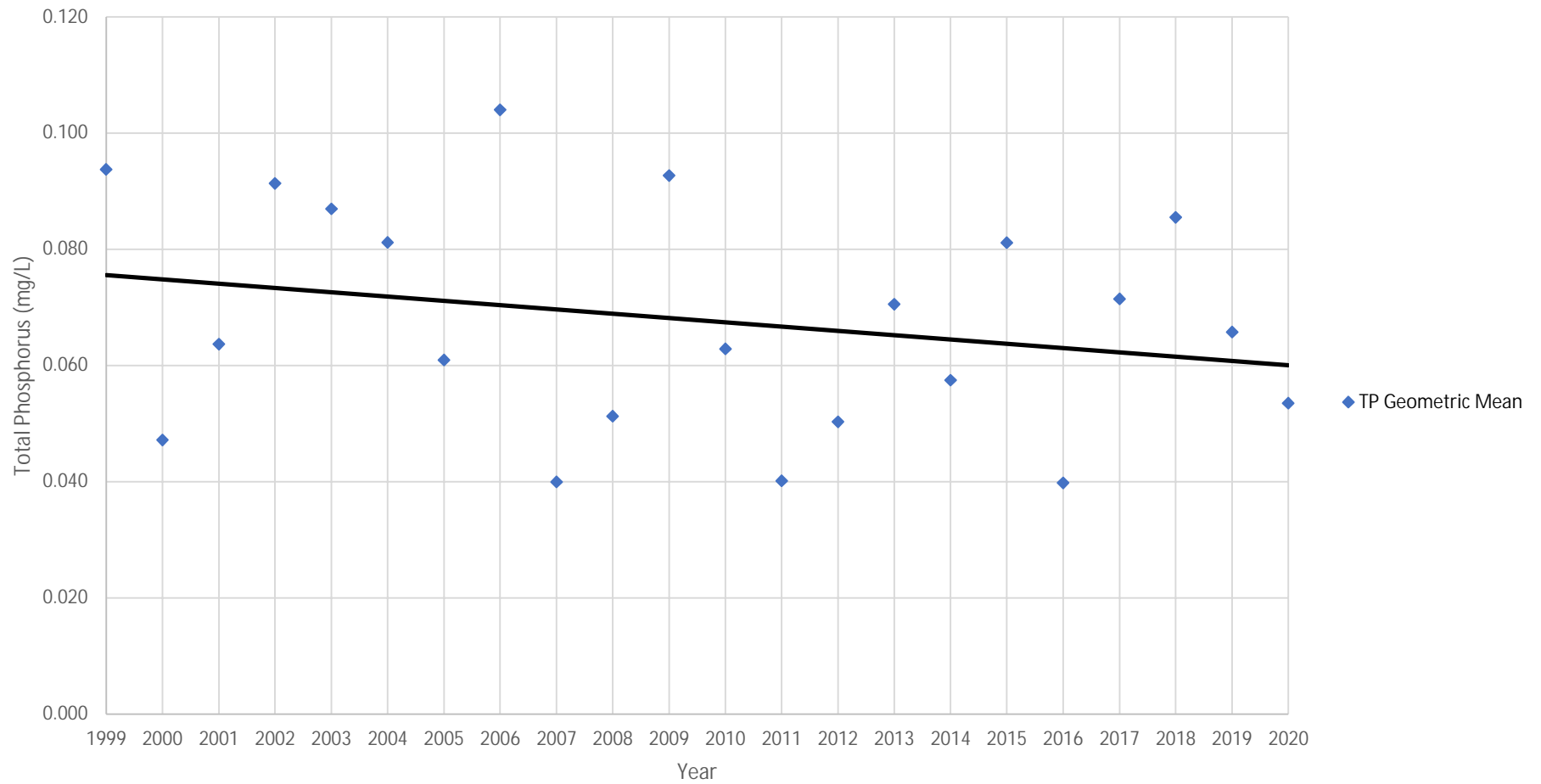
37B Nitrogen, Total  
(Annual Geometric Mean)



### 37B Chlorophyll-a (corrected) (Annual Geometric Mean)

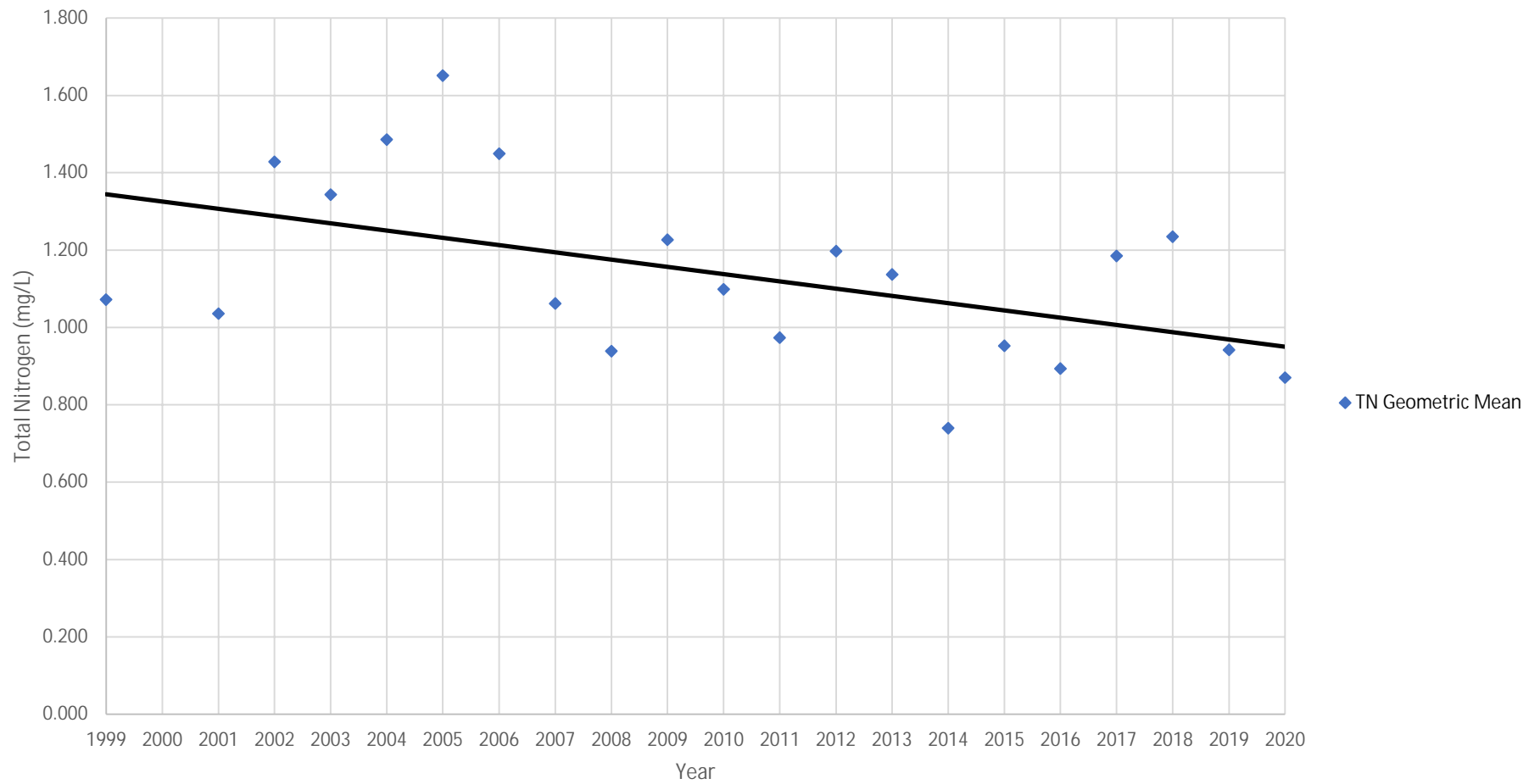


C51S155 Phosphorus, Total  
(Annual Geometric Mean)





C51S155 Nitrogen, Total  
(Annual Geometric Mean)



C51S155 Chlorophyll-a (corrected)  
(Annual Geometric Mean)

