



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/. 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

A.	Permittee Name: Town of Hypoluxo		
B.	Permit Name: Palm Beach County MS4		
C.	Permit Number: FLS000018-004		
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input checked="" type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
E.	Reporting Time Period (month/year): October / 2018 through September / 2019		
F.	Name of the Responsible Authority: Michael C. Brown		
	Title: Mayor		
	Mailing Address: 7580 South Federal Highway		
	City: Hypoluxo	Zip Code: 33462	County: Palm Beach
	Telephone Number: (561) 582-0155		Fax Number: (561) 582-0703
E-mail Address: mcbrown@hypoluxo.org			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Leonard G. Rubin		
	Title: Town Attorney		
	Department: Leonard G. Rubin, P.A.		
	Mailing Address: 701 Northpoint Parkway, Suite 209		
	City: West Palm Beach	Zip Code: 33407	County: Palm Beach
Telephone Number: (561) 721-1683		Fax Number: (561) 686-8764	
E-mail Address: len@lgrubinpa.com			

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

A.	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.	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)
C.	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

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.
DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.

Name and date of the approved plan: Current approved plan for the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit).

A. Status: The Group Monitoring Report is included in the Cycle 4, Year 1 Joint Annual Report. The Town's individual Assessment Plan was approved by FDEP on January 9, 2019.

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.
DEP Note: Results must be specific to the permittee's SWMP.

See attached Annual Assessment Report

B.

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.

DEP Note: Analysis must be specific to the permittee's SWMP.

C.

See attached Annual Assessment Report

SECTION IV. FISCAL ANALYSIS

A. Total expenditures for the NPDES stormwater management program for the current reporting year: \$8,000.00

B. Total budget for the NPDES stormwater management program for the subsequent reporting year: \$8,500.00

Did the current reporting year resources decrease from the previous year? Y / N

If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.

C.

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 type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input checked="" type="checkbox"/>	<input 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	See Joint Annual Report and attached Assessment Report
<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	
<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	
<input type="checkbox"/>	<input checked="" 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"> The monitoring plan (with revisions, if applicable). If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate. 	Part V.B.3 Part V.A.3	
<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): Michael C. Brown

Title: Mayor

Signature:  Date: 03 / 04 / 20

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	Structural Controls and Stormwater Collection Systems Operation																																					
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>																																						
<table border="1"> <thead> <tr> <th data-bbox="540 1136 711 1814">Type of Structure</th> <th data-bbox="540 1045 711 1136">Number of Structures</th> <th data-bbox="540 955 711 1045">Number of Inspections</th> <th data-bbox="540 865 711 955">Percent Inspected</th> <th data-bbox="540 774 711 865">Number of Maintenance Activities</th> <th data-bbox="540 684 711 774">Percent Maintained</th> <th data-bbox="540 489 711 684"></th> <th data-bbox="540 283 711 489"></th> </tr> </thead> <tbody> <tr> <td data-bbox="719 1136 768 1814">Dry retention systems</td> <td data-bbox="719 1045 768 1136">1.5 miles</td> <td data-bbox="719 955 768 1045">12</td> <td data-bbox="719 865 768 955">100</td> <td data-bbox="719 774 768 865">0</td> <td data-bbox="719 684 768 774">0</td> <td data-bbox="719 489 768 684">Inspection Report</td> <td data-bbox="719 283 768 489">Building Official</td> </tr> <tr> <td data-bbox="776 1136 824 1814">Pipes / culverts (miles)</td> <td data-bbox="776 1045 824 1136">300 feet</td> <td data-bbox="776 955 824 1045">2</td> <td data-bbox="776 865 824 955">100</td> <td data-bbox="776 774 824 865">0</td> <td data-bbox="776 684 824 774">0</td> <td data-bbox="776 489 824 684">Inspection Report</td> <td data-bbox="776 283 824 489">Building Official</td> </tr> <tr> <td data-bbox="833 1136 878 1814">Inlets / catch basins / grates</td> <td data-bbox="833 1045 878 1136">6</td> <td data-bbox="833 955 878 1045">12</td> <td data-bbox="833 865 878 955">100</td> <td data-bbox="833 774 878 865">0</td> <td data-bbox="833 684 878 774">0</td> <td data-bbox="833 489 878 684">Inspection Report</td> <td data-bbox="833 283 878 489">Building Official</td> </tr> </tbody> </table>							Type of Structure	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			Dry retention systems	1.5 miles	12	100	0	0	Inspection Report	Building Official	Pipes / culverts (miles)	300 feet	2	100	0	0	Inspection Report	Building Official	Inlets / catch basins / grates	6	12	100	0	0	Inspection Report	Building Official
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<p>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.</p>																																						

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Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit. Strengths: Routine inspections assist in identifying areas that may be developing a problem Limitations: None SWMP revisions implemented to address limitations: N/A																								
Part III.A.2	Areas of New Development and Significant Redevelopment 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 0 Building Official No projects Number of significant development projects approved 0 Building Official No projects 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. Year 2 ONLY: Attach the summary report of the review activity <input type="checkbox"/> Year 4 ONLY: Attach the follow-up report on plan implementation <input type="checkbox"/> Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.																								
Part III.A.2 Summary	Strengths: Works in conjunction with South Water Management District requirements to upgrade system when necessary Limitations: None SWMP revisions implemented to address limitations: N/A																								
Part III.A.3	Roadways																								
	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>																								
	<p>PERMITTEE Litter Control: Frequency of litter collection</p> <table border="1" data-bbox="974 898 1226 1260"> <thead> <tr> <th>Monthly</th> <th>Inspection Form</th> <th>Individual Property Owners and Residents</th> <th>Property owners are responsible for removal of trash in swales per Town Code</th> </tr> </thead> <tbody> <tr> <td>1.5 miles</td> <td>Town Map</td> <td>Town Officials</td> <td>No litter collected</td> </tr> <tr> <td>0</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>PERMITTEE Litter Control: Estimated amount of area maintained (lf) PERMITTEE Litter Control: Estimated amount of litter collected (cy)</p>	Monthly	Inspection Form	Individual Property Owners and Residents	Property owners are responsible for removal of trash in swales per Town Code	1.5 miles	Town Map	Town Officials	No litter collected	0															
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1.5 miles	Town Map	Town Officials	No litter collected																						
0																									
	<p>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".</p> <p>Trash Pick-up Events: Total miles cleaned Trash Pick-up Events: Estimated amount of litter collected (cy) Adopt-A-Road: Total miles cleaned Adopt-A-Road: Estimated amount of litter collected (cy)</p> <table border="1" data-bbox="1226 898 1453 1260"> <thead> <tr> <th>Trash Pick-up Events: Total miles cleaned</th> <th>Trash Pick-up Events: Estimated amount of litter collected (cy)</th> <th>Adopt-A-Road: Total miles cleaned</th> <th>Adopt-A-Road: Estimated amount of litter collected (cy)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>N/A</td> <td>0</td> <td>N/A</td> </tr> <tr> <td>0</td> <td>N/A</td> <td>0</td> <td>N/A</td> </tr> <tr> <td>0</td> <td>N/A</td> <td>0</td> <td>N/A</td> </tr> <tr> <td>0</td> <td>N/A</td> <td>0</td> <td>N/A</td> </tr> </tbody> </table>	Trash Pick-up Events: Total miles cleaned	Trash Pick-up Events: Estimated amount of litter collected (cy)	Adopt-A-Road: Total miles cleaned	Adopt-A-Road: Estimated amount of litter collected (cy)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A				
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	<p>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.</p>	0	N/A	N/A	Roadway system within MS4 has no curbing
	<p>Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.</p>	Number of Inspections			
		0	N/A	N/A	No facilities
Part III.A.3 Summary	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p>Strengths: Town performs litter clean up on monthly basis. No street sweeping program due to lack of curbing within MS4</p> <p>Limitations: None</p> <p>SWMP revisions implemented to address limitations: N/A</p>				
Part III.A.4	<p>Flood Control Projects</p> <p>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.</p> <p>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.</p>				
	<p>Flood control projects completed during the reporting period</p>	0	N/A	N/A	Town essentially built-out – no projects or retrofits planned
		0			N/A
	<p>Flood control projects completed that did not include stormwater treatment</p> <p>Stormwater retrofit projects planned/under construction</p> <p>Stormwater retrofit projects completed</p>	0			Town essentially built-out – no projects or retrofits planned
	<p>If there were projects that did not include stormwater treatment, provide as an</p>	0			N/A

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	<p>attachment a list of the projects and an explanation for each of why it did not.</p> <p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p>																
Part III.A.4 Summary	<p>Strengths: MS4 has functioning stormwater system within built-out single-family neighborhoods</p> <p>Limitations: None</p> <p>SWMP revisions implemented to address limitations: N/A</p>																
Part III.A.5	<p>Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit</p> <p>Report the applicable facilities and the number of the inspections conducted for each facility.</p>	<table border="1"> <thead> <tr> <th data-bbox="527 903 576 976">Name of Facility</th> <th data-bbox="527 703 576 903">Number of Inspections</th> </tr> </thead> <tbody> <tr> <td data-bbox="576 903 625 976"></td> <td data-bbox="576 703 625 903">0</td> </tr> <tr> <td data-bbox="625 903 673 976"></td> <td data-bbox="625 703 673 903">N/A</td> </tr> <tr> <td data-bbox="673 903 722 976"></td> <td data-bbox="673 703 722 903">N/A</td> </tr> </tbody> </table>	Name of Facility	Number of Inspections		0		N/A		N/A			No facilities				
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	0																
	N/A																
	N/A																
Part III.A.5 Summary	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p>Strengths: N/A (Town has no such facilities)</p> <p>Limitations: N/A</p> <p>SWMP revisions implemented to address limitations: N/A</p>																
Part III.A.6	<p>Pesticides, Herbicides, and Fertilizer Application</p> <p>Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed.</p> <p>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.</p>	<table border="1"> <thead> <tr> <th data-bbox="625 903 673 976">PERSONNEL: FDACS public applicators of pesticides/herbicides</th> <th data-bbox="625 703 673 903">0</th> <th data-bbox="625 493 673 703">Service contracted out</th> </tr> <tr> <th data-bbox="673 903 722 976">CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</th> <th data-bbox="673 703 722 903">1</th> <th data-bbox="673 493 722 703">Gonzalez Lawn and Landscape</th> </tr> <tr> <th data-bbox="722 903 771 976">PERSONNEL: Green Industry BMP Program training completed</th> <th data-bbox="722 703 771 903">0</th> <th data-bbox="722 493 771 703">Service contracted out</th> </tr> <tr> <th data-bbox="771 903 820 976">CONTRACTORS: FDACS certified / licensed applicators of fertilizer</th> <th data-bbox="771 703 820 903">1</th> <th data-bbox="771 493 820 703">Gonzalez Lawn and Landscape</th> </tr> </thead> </table>	PERSONNEL: FDACS public applicators of pesticides/herbicides	0	Service contracted out	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	1	Gonzalez Lawn and Landscape	PERSONNEL: Green Industry BMP Program training completed	0	Service contracted out	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	1	Gonzalez Lawn and Landscape			
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PERSONNEL: Green Industry BMP Program training completed	0	Service contracted out															
CONTRACTORS: FDACS certified / licensed applicators of fertilizer	1	Gonzalez Lawn and Landscape															
	<p>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.</p> <p>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance <input type="checkbox"/></p> <p>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).</p>																
	<p>Public Education and Outreach Program</p> <p>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</p>																

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	<p>County Joint Annual Report for the public education and outreach information.</p> <p>Newspapers & newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p> <p>Public displays (e.g., kiosks, storyboards, posters, etc.)</p> <p>Number of visitors to stormwater-related pages</p>	<p>1</p> <p>2,000</p> <p>1</p> <p>Unknown</p>	<p>Newsletter</p> <p>Newsletter</p> <p>Town Hall Display Rack</p> <p>Website</p>	<p>Town of Hypoluxo</p> <p>Town of Hypoluxo</p> <p>Town Clerk</p> <p>Town Clerk</p>	<p>Mailed to residents</p> <p>Mailed to residents</p> <p></p> <p>Link to Fertilizer Ordinance on Website</p>
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.7.a	Strengths: Ensures applicators have received training in proper application				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
	Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures				
	Report amendments in Year 4.				
	Year 4 ONLY: Attach a report on amendments to applicable legal authority <input type="checkbox"/>				
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the number and type of enforcement actions taken.				
	Proactive inspections for suspected illicit discharges	12	Inspection Form	Town Staff	
	Illicit discharges found during a proactive inspection	0	Inspection Form	Town Staff	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0			None issued
	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			None reported
	Reactive investigations of reports of suspected illicit discharges etc.	0			None
	Illicit discharges etc. found during reactive investigation	0			None found
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0			None issued
	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	1	Attendance Sheet	PBC Steering Committee	Power Point and Video Presentation

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Part III.A.7.d	<p>Contractors trained</p> <p>0</p>	0			N/A
	<p>Illicit Discharges and Improper Disposal — Spill Prevention and Response</p> <p>Report on the spill prevention and response activities, including the number of spills addressed.</p>				
	<p>Hazardous and non-hazardous material spills responded to</p> <p>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.</p>	0	Confirmation e-mail from City of Boynton Beach	Boynton Beach Fire Rescue	None
	<p>Personnel trained</p>	1	Attendance Sheet	PBC Steering Committee	Power Point and Video Presentation
	<p>Contractors trained</p>	0			N/A
Part III.A.7.e	<p>Illicit Discharges and Improper Disposal — Public Reporting</p> <p>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).</p>				
	<p>Public Education and Outreach Program</p> <p>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.</p> <p>Newspapers & newsletters: Number of articles/notices published</p> <p>Newsletters: Number of newsletters distributed</p> <p>Public displays (e.g., kiosks, storyboards, posters, etc.)</p> <p>Number of visitors to stormwater-related pages</p>	<p>1</p> <p>2,000</p> <p>1</p> <p>Unknown</p>	<p>Newsletter</p> <p>Newsletter</p> <p>Town Hall Display Rack</p> <p>Website</p>	<p>Town of Hypoluxo</p> <p>Town of Hypoluxo</p> <p>Town Clerk</p> <p>Town Clerk</p>	<p>Mailed to Residents</p> <p>Mailed to residents</p> <p></p> <p>Public Reporting information and telephone number on Town Website</p>
Part III.A.7.f	<p>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</p> <p>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).</p>				

Public Education and Outreach Program

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.

1	Newsletter	Town of Hypoluxo	Mailed to Residents
2,000	Newsletter	Town of Hypoluxo	Mailed to residents
1	Town Hall Display Rack	Town Clerk	

Newspapers & newsletters: Number of articles/notices published

Newsletters: Number of newsletters distributed

Public displays (e.g., kiosks, storyboards, posters, etc.)

Number of visitors to stormwater-related pages

Part III.A.7.g

Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage

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.

Owner of the sanitary sewer system	City of Boynton Beach		
Activity to reduce/eliminate SSOs and I&I: (description)	0		Sanitary sewers along Park Lane East installed approximately 11 years ago and sanitary sewers installed along Lucina, Neptune and Periwinkle Drives approximately 15 years ago
Activity to reduce/eliminate SSOs and I&I: (description)	0		N/A
SSO incidents discovered	0		N/A
SSO incidents resolved	0	Confirmation e-mail from City of Boynton Beach	None discovered
Inflow / infiltration incidents discovered	0		N/A
Inflow / infiltration incidents resolved	0	Confirmation e-mail from City of Boynton Beach	None discovered

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.

**Part III.A.7
Summary**

Strengths: System in place to discover illicit discharges. Reporting information at Town Hall and on website.

Limitations: Difficult to identify violators

SWMP Revisions implemented to address limitations: N/A

Part III.A.8.a

Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections

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		No landfills
Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0		No hazardous waste facilities
EPCRA Title III, Section 313 facilities (TRI)	0		No EPCRA facilities
Facilities determined as high risk by the permittee	0		None

Part III.A.8.b

Industrial and High-Risk Runoff — Monitoring for High Risk Industries

Report the number of high risk facilities sampled.

High risk facilities sampled	0	0	0	N/A
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Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.

**Part III.A.8
Summary**

Strengths: N/A (Town has no such facilities)

Limitations: N/A

SWMP revisions implemented to address limitations: N/A

Part III.A.9.a

Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices

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	0			No construction plans reviewed during permit period
PERMITTEE SITES: Construction site plans approved	0			N/A
PRIVATE SITES: Construction site plans reviewed	0			No private construction plans reviewed
PRIVATE SITES: Construction site plans approved	0			N/A

Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.

Notified of ERP stormwater permit requirements	0			None
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	Confirmed ERP coverage	0			N/A
	Notified of CGP stormwater permit requirements	0			None
	Confirmed CGP coverage	0			N/A
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	0			No active construction sites
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			N/A
	PERMITTEE SITES: Percentage of active construction sites inspected	0			N/A
	PRIVATE SITES: Active construction sites	0			No active construction sites
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			N/A
	PRIVATE SITES: Percentage of active construction sites inspected	0			N/A
	Enforcement Action	0			None
Part III.A.9.c	Construction Site Runoff — Site Operator Training				
	Report the type of training activities, the number of inspectors, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).				
	Permittee construction site inspectors	0	Annual Training	1	Sign-in-sheet
	Permittee construction site plan reviewers			1	Certificate
	Permittee construction site operators			0	N/A
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
Part III.A.9 Summary	Strengths: Program in place to address site runoff; however, no construction activities within MS4				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)

A.	Permit Citation/ SWMP Element	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.
		N/A
B.	Permit Citation/ SWMP Element	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)
		N/A

SECTION IX. TMDL Status Report

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.

WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
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"/>					
			<input type="checkbox"/> / <input type="checkbox"/>					

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).

WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date
N/A		(Year 3 AR)	(Year 4 AR; N/A if BPCP)	

C. 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):

No discharge to a TMDL WBID at the time of permit issuance.

Attachment 1

Town of Hypoluxo (NPDES Stormwater Permitting Program)

'Water Quality Monitoring Assessment Report' (submitted as **Attachment 1** to the Town of Hypoluxo, Florida Cycle 4, Year 3 Annual NPDES Report)

Prepared by JLH Associates
December, 2019

'Water Quality Monitoring Report'

Introduction

The Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permit is part of a federal program designed to reduce stormwater pollutant discharges to receiving waters of the United States. In 1987, the United States Environmental Protection Agency (EPA) was required under Section 402(p) of the Clean Water Act to develop the NPDES. In 1997, the first 5-year permit (No. FL000018) was issued by EPA to Palm Beach County's permittees. Hypoluxo is one of the joint permittees of this permit under an Interlocal Agreement with Northern Palm Beach County Improvement District. In 2001, the Florida Department of Environmental Protection (FDEP) received 'delegation' from EPA for the MS4 programs. In November 2002, the Cycle 2 MS4 Permit was issued by FDEP. The Cycle 3 permit was issued on March 2, 2011 and the Cycle 4 permit was issued on September 8, 2016. This Report is to document the assessment results under this most current permit.

Goal/Purpose

The fundamental goal of the Town with respect to the NPDES MS4 permit is to reduce the nutrient loadings to the receiving water bodies to the maximum extent reasonable. To this end, the Report discusses the water quality monitoring program and trends of the ambient quality that the Town's MS4 discharges so that the overall effectiveness of Hypoluxo's NPDES Stormwater Permitting Program can be evaluated. Also discussed herein estimates of pollutant loads that flow into receiving waters and water quality trends from which conclusions can be drawn,

The purpose of the 'Water Quality Monitoring Report' is to provide information for the Town of Hypoluxo to determine the overall effectiveness of its stormwater management program in reducing stormwater pollutant loadings from its Municipal Separate Sewer System (MS4) to receiving bodies.

The following items and concerns are examined as part of this water quality monitoring report:

- A. **Impaired Water Bodies** - The Florida Department of Environmental Protection (FDEP) assessment program for water body impairments will be analyzed and Hypoluxo's contribution, if any, to those impairments will be assessed.
- B. **Water Quality Monitoring Program** - The water quality monitoring program is intended to identify local sources where urban stormwater is affecting surface water resources.
- C. **Water Quality Trend Analysis** – Using the water quality monitoring results trends can be identified and evaluated.
- D. **Pollutant Loading Estimates/Results** - Pollutant loadings and results are reported.
- E. **Conclusions** - Final conclusions are made regarding water quality and nutrient loading impacts.

Impaired Water Bodies

The Florida Department of Environmental Protection (FDEP) has an ambient water quality and assessment program for water body impairments. The State is divided into five (5) working 'Basin Groups', with each group cycling through a 5-year assessment cycle. The 5-year cycle includes planning, water quality, monitoring, preliminary evaluation, public meetings, final evaluation, and Secretarial (State) adoption of the verified lists. The Town of Hypoluxo is in Group 3. The latest (Cycle 3) assessment occurred in 2017. The goal of FDEP's assessment is to update the comprehensive listing system within each Basin Group and Water Boundary Identifications (WBIDs). By reviewing the water quality data for a WBID in comparison to Chapters 62-302, 62-303, 62-303.720 and 62.303.390 of the Florida Administration Code (F.A.C.), impaired WBIDs are added or removed from the lists. WBIDs can be de-listed if a previously identified impairment cannot be verified or a Total Maximum Daily Load (TMDL) has been adopted. A TMDL represents the maximum amount of pollutant loading that can be discharged to a water body and have its designated uses still be met. The listing of impaired waters within the City's MS4 (from 2016 Cycle 3) is presented below.

- **Group:** 3
- **Cycle:** 1
- **Group Name:** Lake Worth Lagoon-Palm Beach Coast
- **Planning Unit:** Intracoastal Waterway
- **County:** Palm Beach
- **WBID:** 3226F2
- **Water Segment Name:** Lake Worth Lagoon (South Segment)
- **Parameters Assessed Using the Impaired Waters Rule (IWR):** Copper
- **Concentration of Criterion or Threshold Not Met:** >3.7 mg/l
- **Priority for TMDL Development:** Medium
- **Projected Year for TMDL Development:** 2010
- **Verified Period Assessment Date:** Not Identified
- **Comments:** PP=1/6 Insufficient data; VP= 9/48 Impaired. VP data have been updated using IWR Run 2010.

Lake Worth Lagoon was listed for Copper in the South Segment. All marina estuaries along the Palm Beach County coastline are listed as impaired for Copper. The Copper impairments do not appear to relate to stormwater runoff; however, it may be related to the marina boating activities in the water body. The next step in the FDEP process is to rank impairment for adopting a TMDL for the WBID. Based on this assessment, there is no identified impairments for this WBID. As such, there are no projected TMDLs for this WBID.

Water Quality Monitoring Program/Sites

The Palm Beach Countywide water monitoring program includes 40 ambient water quality monitoring sites which were selected after coordination among the South Florida Water Management District (SFWMD), Palm Beach County Department of Environmental Resource Management (ERM), the Loxahatchee River District (LRD) Broward County and the Palm Beach County permittees.

The sites monitored are sampled and initially analyzed in-situ by staff using a multi-parameter water quality monitoring instrument. Water samples are collected, preserved and stored in accordance with Standard Operating Procedures (SOPs). Final analysis samples are conducted in laboratory settings under the direction of the entities listed above.

As a co-permittee of the Palm Beach Countywide Stormwater Permit, the Town of Hypoluxo uses the ambient water quality data provided by Palm Beach County MS4 Group. Based on the location of the outfall of the Hypoluxo MS4, one (1) monitoring station has been established. Station LWL-13 is an ERM monitoring site. The following information identifies this monitoring stations along with relevant information about the location. More specifically, Station LWL-13 at the Ocean Avenue Bridge in the Lake Worth Lagoon (South Segment).

Table 1

MS4 Monitoring Station

<u>Monitoring Station Number</u>	<u>Location Description</u>	<u>Northing/ Easting</u>	<u>Type</u>	<u>Watershed WBID</u>
LWL-13	Ocean Avenue Bridge in the Lake Worth La- goon, South Segment	N819086.28 E968516.09	Marine	LWL-S: 3226F2

The primary concern that FDEP has regarding the stormwater permitting program is related to nutrients and what impacts are created by nutrients into the stormwater system. The Town of Hypoluxo has evaluated nutrient monitoring results at the LWL-13 monitoring station location. Parameters are monitored typically each month for marine environments or bi-monthly for fresh water. Parameters of primary interest to FDEP and the Town are Phosphorus and Nitrogen, Chlorophyll-A can be an indicator of nutrient enrichment and was also included. At this time the State does not have any numeric criteria established for LWL-S Watershed for TN and TP. Chlorophyll-A has criteria of less than, or equal to, 20 ug/l.

Based on information provided in the PBC Cycle 4 Year 2 Joint Annual Report, water quality monitoring results for the last 10 years (2009-2018) is provided in Tables 2, 3, 4, respectively for TN, TP and Chlorophyll-A. Review of the results indicate a general reduction in values from west (Station 37B) to east (Station C51S155). Reported Chlorophyll-A values are well below the standard of 20 ug/l, indicating that the C-51 Canal is not nutrient impaired and Cloud Lake, an eastern contributor, is not adversely affecting nutrient levels.

Table 2 Annual Geometric Mean Total Nitrogen Concentration (mg/l) LWL-S Watershed		
Year		Station LWL-13
2009		No Record
2010		0.37
2011		0.22
2012		0.35
2013		0.41
2014		0.14
2015		0.30
2016		0.32
2017		0.99
2018		0.44

Source: Extracted from Table 5-8, p. 112 of the Cycle 4, Year 2 PBC Joint Annual Report.

Table 3 Annual Geometric Mean Total Phosphorus Concentration (mg/l) LWL-S Watershed		
Year		Station LWL-13
2009		No Record
2010		0.03
2011		0.03
2012		0.03
2013		0.04
2014		0.03
2015		0.02
2016		0.03
2017		0.07
2018		0.03

Source: Extracted from Table 5-9, p. 116 of the Cycle 4, Year 2 PBC Joint Annual Report.

Table 4 Annual Geometric Mean Chlorophyll-A Concentration (ug/l) LWL-S Watershed		
Year		Station LWL-13
2009		No Record
2010		4.8
2011		3.0
2012		4.3
2013		No Record
2014		No Record
2015		4.08
2016		No Record
2017		5.4
2018		11.11

Source: Extracted from Table 5-10, p. 120 of the Cycle 4, Year 2 PBC Joint Annual Report.

Water Quality Trend Analysis (Update)

To evaluate nutrient trends the water quality data for the last 10-year period are extracted from graphs provided in the Palm Beach County NPDES Joint Annual Report (Cycle 4, Year 2); specifically, for Total Nitrogen (TN), Total Phosphorus (TP) and Chlorophyll-A (Figures 5-2, 5-3 and 5-4 respectively; pages 132, 144 and 156 respectively). These nutrients are analyzed for the LWL-S Watershed. The graphs depict the trend lines and summarize the Annual Geometric Mean (AGM) values for TN, TP and Chlorophyll-A. The trend lines also provide an indication if nutrients are increasing (upward trend) or decreasing (downward trend) or remaining flat. The appropriate water quality standards are depicted to allow for a comparison of both trend and relationship to standard. A general summary of the trend and exceedances are depicted below.

Total Nitrogen (TN): A review of Figure 5-3 similarly indicates a downward trend in values for TN during the 10-year period.

Total Phosphorus (TP): A review of Figure 5-2 indicates a significant downward trend in values for TP during the 10-year period (2009-2018).

Total Chlorophyll-A: A review of Figure 5-4 indicates a recent (since 2015) a gradual increase in the 0.57exceedence level.

Pollutant Loading Estimates/Results

The municipal separate storm sewer system (MS4) National Pollutant Discharge Elimination System (NPDES) Cycle 4 permit, issued September 8, 2016, requires in PART V. - Monitoring Requirements that average annual pollutant loading, and event mean concentration (EMC) estimates be provided for six (6) parameters. The six (6) parameters identified are: 1) five-day biochemical oxygen demand (BODs); 2) total copper (Cu); 3) Total nitrogen (TN); 4) total phosphorus (TP); 5) total suspended solids (TSS); and, 6) total zinc (Zn), all in the unit of mg/l. It is assumed by the FDEP that pollutant loading generated within a watershed flows through MS4 outfalls and directly affects the receiving bodies. An option is provided in the permit to provide the average annual pollutant loading estimates based on major outfalls watersheds Since the pollutant loading estimates for permit Cycles 1 through 3 were provided on a watershed basis, it was agreed with the FDEP that the Cycle 4 loading estimates would also be provided on a watershed basis. In addition to meeting the requirements of the permit, modeling the average annual pollutant loading generated by a watershed or a MS4's watershed can assist in planning for future improvements in stormwater quality treatment, regulations or stormwater management.

The Town of Hypoluxo lies in the Lake Worth Lagoon-South Segment (LWL-S)/WIBD 3226F2. All stormwater runoff from Hypoluxo MS4 system discharges into the Lake Worth Lagoon (Intracoastal Waterway) All six (6) parameters are analyzed and graphed in the Cycle 4, Year 3 'Summary of Average Annual Pollutant Loading Model Activities' report (2019) for all of the watersheds including the LWL-S Watershed (See Figures 3-8, pgs. 20-23) prepared by Mock-Roos for the co-permittees' reference.

Pollutant loadings for the Hypoluxo MS4 are also reported in the 'Summary of Average Annual Pollutant Loading Model Activities' report cited above. Pollutant loadings for all six (6) parameters are reported for year 2013 (Table 26, p. 39 of the report) and 2018 (Table 27, p. 40 of the report) and, specifically, for the Hypoluxo MS4 below in Table 5.

Hypoluxo has in place stormwater management programs that reduces the nutrient loading into the Lake Worth Lagoon (South Segment/WBID 3226F2. These programs include maintenance of ditches and conveyance swales, dry detention systems, public education (brochures and flyers for public distribution, annual newsletter, Town website, MS4group activities and an adopted Fertilizer Ordinance). The public education component alone allows a further 6% reduction in pollutant loadings reported in Table 5 below.

Table 5
Pollutant Loadings (lbs/year)
-Town of Hypoluxo-
LWL-S Watershed

Parameter	<u>BODs</u>	<u>TSS</u>	<u>TP</u>	<u>CU</u>	<u>ZN</u>	<u>TN</u>
2013 Loads	688	3196	47	2	7	927
2018 Loads	691	3207	47	2	8	928
Other Reduction - Public Education (6% - rounded)	<u>41</u>	<u>192</u>	<u>3</u>	<u>0</u>	<u>0.5</u>	<u>56</u>
Total Amount	650	3015	44	2	7.5	872
<u>Percent (%) Reduction</u>	<u>5.5%</u>	<u>5.7%</u>	<u>6.4%</u>	<u>0%</u>	<u>0%</u>	<u>5.9%</u>

Sources: Tables 26 (p. 39) and 27 (p. 40) of the 'Summary of Average Annual Pollutant Loading Model Activities' report (2019) prepared by Mock-Roos.

All six (6) water quality parameters show either a reduction or remain basically the same. Copper (CU) and Zinc (ZN) differences are due to rounding to low values.

Conclusions

The Town of Hypoluxo stormwater management programs are effective in reducing pollutant loadings. This is supported by the water quality monitoring program (both FDEP and MS4 group information) and pollutant loading information. At this time there are no recommended changes necessary to the Town of Hypoluxo stormwater management program.