



# 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: Village of North Palm Beach		
<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): 10/2019 through 10/ 2020		
<b>F.</b>	Name of the Responsible Authority: Jeremy Hubsch		
	Title: Community Development Director		
	Mailing Address: 420 US Highway 1 Suite 21		
	City: North Palm Beach	Zip Code: 33408	County: Palm Beach
	Telephone Number: 561-841-3369		Fax Number: 561-848-3344
	E-mail Address: <a href="mailto:jhubsch@village-npb.org">jhubsch@village-npb.org</a>		
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Chuck Huff		
	Title: Director		
	Department: Public Works		
	Mailing Address: 645 Prosperity Farms Road		
	City: North Palm Beach	Zip Code: 33409	County: Palm Beach
	Telephone Number: 561-904-2139		Fax Number: 561-626-5869
E-mail Address: <a href="mailto:chuff@village-npb.org">chuff@village-npb.org</a>			

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input 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 checked="" 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: <i>Current approved plan for the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit).</i></p> <p>Status: <i>The Group Monitoring Report is carried out by PBC permittees. See the PBC Joint Annual Report. The information relevant to the permittee's outfalls will be addressed within the Annual Assessment Report for the Village of North Palm Beach.</i></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><i>See Annual Assessment Report for the Village of North Palm Beach and permittee's Year 4 pollutant loading report.</i></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><i>See Annual Assessment Report for the Village of North Palm Beach.</i></p>

**SECTION IV. FISCAL ANALYSIS**

<b>A.</b>	Total expenditures for the NPDES stormwater management program for the current reporting year: \$100,000
<b>B.</b>	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$142,000
<b>C.</b>	Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/>

**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	n/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 type="checkbox"/>	<input checked="" 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	
<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	No changes
<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
<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 Report and NPB 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): Jeremy Hubsch

Title: Community Development Director

Signature:  Date: 4 / 14 / 2021

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>							
	<b>Type of Structure</b>	<b>Number of Structures</b>	<b>Number of Inspections</b>	<b>Percent Inspected</b>	<b>Number of Maintenance Activities</b>	<b>Percent Maintained</b>		
	<b>Exfiltration trench / French drains (lf)</b>	232	0	0	0	0	Exfiltration trench-structural control	Public Works/Streets Department Inspections scheduled for 2021 with Stormwater Utility Money
	<b>Grass treatment swales (miles)</b>	42.1	5	35	24	100	Grass swale-structural control	Public Works/Streets Department Mowed and maintained frequently
	<b>Dry detention systems</b>	3	3	100	12	100	Dry Detention	PW/Streets Dept. Mowed and maintained frequently
	<b>Wet detention systems</b>	1	1	100	1	100	Wet Detention	Public Works/Streets Department One inspection per year
	<b>Major outfalls</b>	6	6	100	6	100	Major Outfalls	Public Works/Streets Department One inspection per year
	<b>Weirs or other control structures</b>	1	1	100	1	100	Weirs/Control	Public Works/Streets Department One inspection per year
	<b>pipes / culverts (miles)</b>	6.98	9	50	0	100	Pipes culvert structure control	Public Works/Streets Department Inspected periodically throughout the year.

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed		Documentation / Record	Entity Performing the Activity	Comments
	Canals	2	12	100	44	100	Maintained by Lake Doctors and Precision Landscaping	Public Works/Streets Department	Inspected periodically throughout the year.	
		Inlets / catch basins / grates	300	12	0	3	100	Inlets	Public Works/Streets Department	Inspected periodically throughout the year.
	Ditches / conveyance swales (miles)		0.34	2	100	2	100	Ditches	Public Works/Streets Department	Inspected periodically throughout the year.
	<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>	<input type="checkbox"/> <p>All inspections frequencies will be met in Year 5 Report</p>								

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE						
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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
<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> Facilities have been mapped and are regularly inspected					
	<b>Limitations:</b> Need line video of some facilities					
	<b>SWMP revisions implemented to address limitations:</b> Seeking greater funding through stormwater utility fee					
<b>Part III.A.2</b>	<b>Areas of New Development and Significant Redevelopment</b>					
see	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.					
	<b>Number of significant development projects reviewed</b>		0	Permitting Log	CDD	
	<b>Number of significant development projects approved</b>		0	Permitting Log	CDD	
	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.					
	<b>Year 2 ONLY: Attach the summary report of the review activity</b>					
<b>Year 4 ONLY: Attach the follow-up report on plan implementation</b>		<input checked="" type="checkbox"/>	Permitting Log	CDD	No updates	
<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> Review of Land Development Regulations to ensure development projects adequately handle stormwater					
	<b>Limitations:</b> None					
	<b>SWMP revisions implemented to address limitations:</b>					
<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>					
	<b>PERMITTEE Litter Control: Frequency of litter collection</b>		0	0	Public Works/Street	0
	<b>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</b>		0	0	Public Works/Street	0
	<b>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</b>		0	0	Public Works/Street	0
	<b>CONTRACTOR Litter Control: Frequency of litter collection</b>		0	0	Public Works/Street	0
	<b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b>		Twice a month	Outside Contractor	Public Works/Street	3.4 miles
	<b>CONTRACTOR Litter Control: Estimated amount of litter collected (bags)</b>		430,848 lf.	Outside Contractor	Public Works/Street	24 times x 5,250 = total linear feet
	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".					

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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	
	Trash Pick-up Events: Total miles cleaned	0	n/a	n/a		
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	n/a	n/a		
	Adopt-A-Road: Total miles cleaned	0	n/a	n/a		
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	n/a	0		
	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.					
	Frequency of street sweeping	24	Invoices from contractor	Hurricane Services	1 <sup>st</sup> and the 15 <sup>th</sup> of each month.	
	Total miles swept	1.7 miles x 24 times a year= (40.80)	Street Sweeping Collection	Hurricane Services	1.7 miles 2x per month	
	Estimated quantity of sweeping material collected (cy / tons)	3 cy	Street Sweeping Collection	Public Works/Street	SWA Tickets	
	Total phosphorous loadings removed (pounds)	2.4	FSA Spreadsheet	Public Works	0	
	Total nitrogen loadings removed (pounds)	3.9	FSA Spreadsheet	Public Works	0	
	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>			
	Public Works Maintenance Shop	12	checklist	Public Works/Street	Checked once a month.	
	North Palm Beach Country Club Mechanic Barn	12	checklist	Public Works/Street	Checked once a month.	

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.3 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths:</b> Regular maintenance of roadways with curbing via street sweeping and litter control programs. Landscape maintenance program along ROW that limits debris in streets.					
	<b>Limitations:</b> Litter control programs are operated by staff and are impacted by staff turnover and position vacancies.					
	<b>SWMP revisions implemented to address limitations:</b> No change At this time					
<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>		<b>0</b>	<b>CIP</b>		
	<b>Flood control projects completed that did <u>not</u> include stormwater treatment</b>		0	CIP		
	<b>Stormwater retrofit projects planned/under construction</b>		0	CIP		
	<b>Stormwater retrofit projects completed</b>		0	CIP		
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.		<input type="checkbox"/>				
<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> N/A					
	<b>Limitations:</b>					
	<b>SWMP revisions implemented to address limitations:</b>					



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.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 Facilities are Operated by North Palm Beach or within the MS4	0	Village Assets	Public Works	
<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> N/A				
	<b>Limitations:</b> N/A				
	<b>SWMP revisions implemented to address limitations:</b> N/A				
<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.				
	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	Contract	Precision Landscape	Not performed by Village staff
	<b>CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</b>	0	Contract	Precision Landscaping	Not performed by Village staff
	<b>PERSONNEL: Green Industry BMP Program training completed</b>	0	Contract	Precision Landscaping	Contracted Out
	<b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b>	1	Precision Landscaping	PW/ Streets Dept.	Precision Landscaping
	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>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> All structures are mapped and regular inspections are performed on structures				
	<b>Limitations:</b>				
	<b>SWMP revisions implemented to address limitations:</b> None at this time – reviewing program with Council in next FY				
<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>SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE</b>					
<b>A.</b>	<b>B.</b>	<b>C.</b>	<b>D.</b>	<b>E.</b>	<b>F.</b>
<b>Permit Citation/ SWMP Element</b>	<b>Permit Requirement/Quantifiable SWMP Activity</b>	<b>Number of Activities Performed</b>	<b>Documentation / Record</b>	<b>Entity Performing the Activity</b>	<b>Comments</b>
	<b>Year 4 ONLY: Attach a report on amendments to applicable legal authority</b>	None	Council Minutes	Village Attorney	No Amendments
<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 number and type of enforcement actions taken.				
	<b>Proactive inspections for suspected illicit discharges</b>	0	Structural Control Inspection Reports	Public Works/Street	n/a
	<b>Illicit discharges found during a proactive inspection</b>	0	Structural Control Inspection Reports	Public Works/Street	n/a
	<b>NOV/WL/citation/fines issued for illicit discharges found during proactive inspection</b>	0	n/a	n/a	n/a
	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.				
	<b>Reports of suspected illicit discharges received</b>	0	Phone Log	Administration Calls	No Calls
	<b>Reactive investigations of reports of suspected illicit discharges etc.</b>	0	n/a	Public Works	n/a
	<b>Illicit discharges etc. found during reactive investigation</b>	0	n/a	Public Works	n/a
	<b>NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation</b>	0	n/a	Code Enforcement	n/a
	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.				
	<b>Personnel trained</b>	1	Attendance Log	PBC Steering Committee	March 2020
	<b>Contractors trained</b>	0	Attendance Log	PBC Steering Committee	March 2020
<b>Part III.A.7.d</b>	<b>Illicit Discharges and Improper Disposal — Spill Prevention and Response</b>				
	Report on the spill prevention and response activities, including the number of spills addressed.				
	<b>Hazardous and non-hazardous material spills responded to</b>	0	Calls Logs	Fire Department	No Calls
	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.				
	<b>Personnel trained</b>	1	Attendance Log	PBC Steering Committee	March 2020
	<b>Contractors trained</b>	0			

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<b>Part III.A.7.e</b>	<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>Part III.A.7.f</b>	<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>Public displays (e.g., kiosks, storyboards, posters, etc.)</b>	3	Posters / Pictures of Posters	Community Development	Posters at Village Owned Facilities. In addition Co- permittee outreach efforts
<b>Part III.A.7.g</b>	<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>	Seacoast Utility Authority			
	<b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b>	0	Seacoast Report	Seacoast	
	<b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b>	0	Seacoast Report	Seacoast	
	<b>SSO incidents discovered</b>	1	Seacoast Report	Seacoast	FM Break
	<b>SSO incidents resolved</b>	1	Seacoast Report	Seacoast	Clean-up No Discharge into Drainage

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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
	Inflow / infiltration incidents discovered			0	Seacoast Report	Seacoast	
	Inflow / infiltration incidents resolved			0	Seacoast Report	Seacoast	
Part III.A.7 Summary	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.						
	Strengths: N/A						
	Limitations: None						
	SWMP Revisions implemented to address limitations: None						
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	0	0	DEP Website	Public Works	No Facilities
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	EPA Website	Public Works	No Facilities
	EPCRA Title III, Section 313 facilities (TRI)	0	0	0	EPA Website	Public Works	No Facilities
	Facilities determined as high risk by the permittee	0	0	0	Illicit Program	Public Works	No Facilities
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			SOP	Public Works	
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
	Strengths: N/A						
	Limitations: None						
	SWMP revisions implemented to address limitations: None						
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			Village Plans	CDD	
	PERMITTEE SITES: Construction site plans approved	0			Permit Logs	CDD	
	PRIVATE SITES: Construction site plans reviewed	0			Application	CDD	

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>PRIVATE SITES: Construction site plans approved</b>		0	Permit Logs	CDD	
	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>		0	Letter	CDD	
	<b>Confirmed ERP coverage</b>		0	SFWM Database	CDD	
	<b>Notified of CGP stormwater permit requirements</b>		0	Letter	CDD	
	<b>Confirmed CGP coverage</b>		0	DEP NOI	CDD	
<b>Part III.A.9.b</b>	<b>Construction Site Runoff — Inspection and Enforcement</b>					
	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.					
	<b>PERMITTEE SITES: Active construction sites</b>		0	Checklist	Public Works	
	<b>PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&amp;S and waste control BMPs</b>		0	Inspection Report	Public Works	
	<b>PERMITTEE SITES: Percentage of active construction sites inspected</b>		0	Inspection Log	Public Works	
	<b>PRIVATE SITES: Active construction sites</b>		0	Checklist	Public Works	
	<b>PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&amp;S and waste control BMPs</b>		0	Inspection Report	Public Works	
	<b>PRIVATE SITES: Percentage of active construction sites inspected</b>		0	Inspection Logs	Public Works	
	<b>Enforcement Action</b>		0	Code Records	Code Enforcement	
<b>Part III.A.9.c</b>	<b>Construction Site Runoff — Site Operator Training</b>					
	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).					
		<b>DEP Certification</b>	<b>Annual Training</b>			
	<b>Permittee construction site inspectors</b>	0	1	Attendance Log	PBC Steering Committee	March 2020 Training
	<b>Permittee construction site plan reviewers</b>		1	Attendance Log	PBC Steering Committee	March 2020 Training
	<b>Permittee construction site operators</b>		0	Attendance Log	PBC Steering Committee	March 2020 Training
<b>Part III.A.9 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths:</b> Regular Inspection and Require Pollution Prevention Plans					
	<b>Limitations:</b> Limited number of DEP trained inspection					
	<b>SWMP revisions implemented to address limitations:</b> Increase training once full time staff hiring is completed					

**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	
<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	

**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.								
	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"/>					
<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).								
	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)					
<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):  No TMDL's								



Village of North Palm Beach  
MS4 Permit No. FLS000018-003  
Part V. – Monitoring Requirements;  
Sub-part A. – Assessment Program  
Year 4

#### Assessment Program Objective

The purpose of this assessment program is to provide information for the Village of North Palm Beach 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.

#### Assessment Program Components

As required by the MS4 Permit, the following parts make up this Assessment Program:

- A. **A Water Quality Monitoring Plan** – The water quality monitoring plan is intended to identify local sources where urban stormwater is adversely affecting surface water resources.
- B. **Pollutant Loading Estimates** – Pollutant loadings and results are reported.
- C. **Conclusions** – Final conclusions are determined concerning water quality and nutrient loading impacts.

#### Part A – Water Quality Monitoring Plan

The Village's MS4 lies within the Lake Worth Lagoon Watershed with discharges into the C-17 and the Lake Worth Lagoon. (see Figure 1). The MS4 has 6 major outfalls, two of which directly impact the Lake Worth Lagoon watershed. The Village intends to make use of the ambient water quality monitoring collected by Palm Beach County Environmental Resource Management (ERM) at monitoring stations 11 and 13. The table in the following section identifies this monitoring station, along with relevant information about the location.

#### Monitoring Location

Based on the location of the outfalls of the Village's MS4, the following ambient water quality monitoring station will be used in this assessment program. The monitoring station along with relevant information its location is identified in the following table:



**MS4 Monitoring Stations Table**

Monitoring Station Number	Location Description	Northing /Easting	Receiving Water Body	Verified Impaired?	Adopted TMDL?
11	U.S. 1 (Parker Bridge)	908969.28/ 962655.71	Lake Worth Lagoon (North Segment)	No	No
13	U.S. 1 and Earman River	900706.79/ 964049.58	Lake Worth Lagoon (North Segment)	No	No

### Sampling Method

Palm Beach County Environmental Resource Management (ERM) performs the sampling at monitoring stations 11 and 13. This site is sampled and initially analyzed in-situ by ERM staff using a multi-parameter water quality-monitoring instrument. Water samples are collected, preserved and stored according to the DEP's Standard Operating Procedures. Quality assurance / quality control measures include pre-cleaned equipment blanks, field-cleaned equipment blanks, field spikes, and the collection of duplicate samples.

Further analysis of samples from all ERM-monitored sites is conducted by an independent laboratory under contract with ERM.

The parameters sampled at monitoring stations 11 and 13 are shown in the table below.

**Parameters and Sampling Table**

Monitoring Station #s	Monitoring Parameters	Type of Monitoring	Collection Method	Sampling Frequency
11 & 13	Arsenic	Ambient Water Quality	Grab Samples	Quarterly
11 & 13	Cadmium	Ambient Water Quality	Grab Samples	Quarterly
11 & 13	Chlorophyll-a	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Copper	Ambient Water Quality	Grab Samples	Quarterly
11 & 13	Dissolved Oxygen	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Lead	Ambient Water Quality	Grab Samples	Quarterly
11 & 13	Nitrogen, Ammonia	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Nitrogen, Nitrate-Nitrite	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Nitrogen, Total	Ambient Water Quality	Grab Samples	Monthly
11 & 13	pH	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Phosphorous, Orthophosphate	Ambient Water Quality	Grab Samples	Monthly

11 & 13	Phosphorous, Total Kjeldahl	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Salinity	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Specific Conductivity	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Temperature	Ambient Water Quality	Grab Samples	Monthly
11 & 13	Turbidity	Ambient Water Quality	Grab Samples	Monthly
	Zinc	Ambient Water Quality	Grab Samples	Quarterly

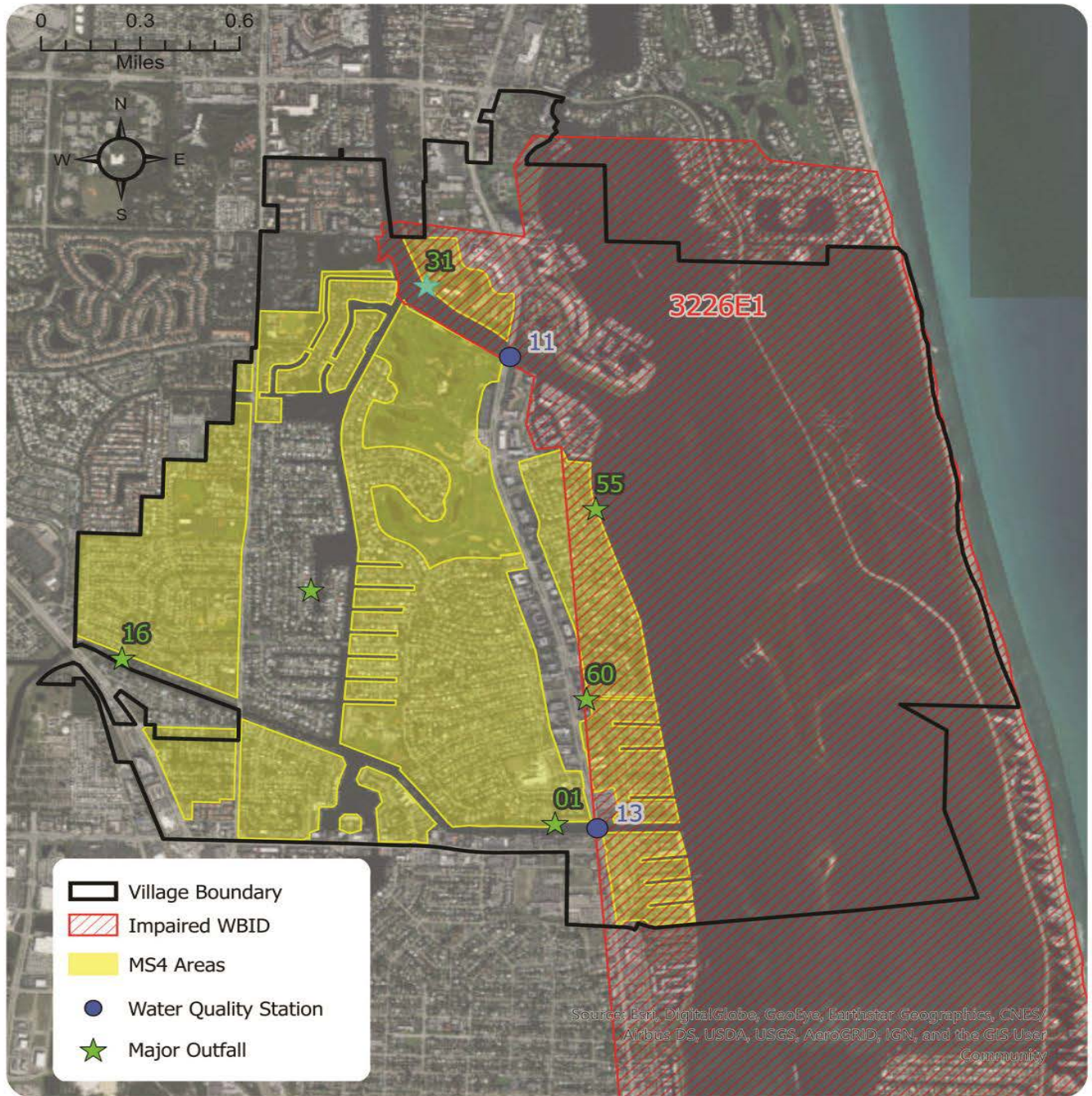


Figure 1: Village of North Palm Beach Assessment Program – Monitoring Station Location 11 & 13

## Part B – Pollutant Loading Estimates

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 (BOD<sub>5</sub>); 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 Village of North Palm Beach is contiguous to the following watersheds: C-17, ICCWN, and the Lake Worth Lagoon. Stormwater runoff from the North Palm Beach MS4 system discharges into the combined watershed system, as does the stormwater runoff from several other adjacent and nearby municipalities. All six (6) parameters are analyzed in the Cycle 4, Year 3 summary of Average Annual Pollutant Loading Model Activities report (2019) as prepared by Mock-Roos for the co-permittees referenced for the contiguous watersheds to North Palm Beach. All parameters indicate decreases between Cycle 3, Year 3 and Cycle 4, Year 3 reporting period within all three (3) watersheds.

### Lake Worth Lagoon Pollutant Loadings (pounds/year) Village of North Palm Beach

Parameter	BOD <sub>5</sub>	TSS	TP	CU	ZN	TN
Cycle 3 Loads	29,915	150,512	1,440	76	329	12,065
Cycle 4 Loads	29,922	150,572	1,430	76	329	11,574
Other Reductions:						
Public Education (6%)	1,795	9,034	86	5	20	694
Street Sweeping (YR4)			3			4
Total Adjusted Cycle 4 Loads	28,127	141,538	1,341	71	309	10,876
Percent Reduction	6%	6%	7%	6%	6%	10%

## Nutrient Levels

The primary interest that FDEP has regarding the stormwater permitting program is related to nutrients and what impacts these loads have on the receiving water body. The Village of North Palm Beach has reviewed the Groups nutrient monitoring data results at the above locations. The historical trend using the Mann-Kendall Tau Test Method referenced in the Palm Beach County MS4 Cycle 4, Year 3, Joint Annual Report was used for evaluating the nutrient levels. Specifically, Total Nitrogen (TN), total Phosphorus (TP) and Chlorophyll-A (a surrogate for nutrient enrichment) are analyzed and evaluated in the table below.

Period of Record	Station	Total Nitrogen	Total Phosphorus	Chlorophyll-a
1999-2020	11	Significantly Decreasing	Significantly Increasing	Increasing
1999-2020	13	Significantly Decreasing	Increasing	Increasing

Both water quality monitoring sites show a decreasing trend for Total Nitrogen and increasing trends for Total Phosphorus and Chlorophyll-a. Considering that North Palm Beach MS4 service area represents approximately 0.5% of the contributing area into the Lake Worth Lagoon, it is not likely that North Palm Beach discharges are having a significant impact on the Lake Worth Lagoon. The Lagoon receives discharges from several MS4 permittees and the majority from non-point private sources.

## Part C – Conclusions

The monitoring stations in the Village of North Palm Beach are uniquely positioned at the confluence of the C-17 Canal and the Lake Worth Lagoon (Station 13) and the Lake Worth Lagoon and Intracoastal Waterway (Station 11). As such, the stations are subject to a substantial amount of pollutants and nutrients from outside municipalities, particularly from the C-17 Canal. The North Palm Beach MS4 represents approximately 0.5% of the contributing area into the Lake Worth Lagoon. The Village of North Palm Beach stormwater management programs are effective in reducing nutrient loadings and appropriately managing stormwater runoff. Currently, there is no need to develop further stormwater management programs.