



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 Palm Beach Shores
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 type="checkbox"/> Year 3 <input checked="" type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:
E.	Reporting Time Period (month/year): 10 /2019 through 9 / 2020
F.	Name of the Responsible Authority: Alan Welch
	Title: Public Works Director
	Mailing Address: 247 Edwards Lane
	City: Palm Beach Shores Zip Code: 33404 County: Palm Beach County
	Telephone Number: 561-844-3457 Fax Number: 561- 863-1350
	E-mail Address: awelch@pbstownhall.org
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Alan Welch
	Title: Public Works Director
	Department: Public works
	Mailing Address: 247 Edwards Lane
	City: Palm Beach Shores Zip Code: 33404 County: Palm Beach County
	Telephone Number: 561-844-3457 Fax Number: 561-863-1350
	E-mail Address: awelch@pbstownhall.org

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

A.	<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: Approval of the Town's Assessment Monitoring Plan is May 6, 2019 accordance with the cycle 4 permit. Status: The monitoring program is a joint effort by the Palm Beach County Permittees. View the Palm Beach County Joint Annual Report. Also see the attached Town of Palm Beach Shores Water Quality Assessment Report FY19-20.</p>
B.	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year. <i>DEP Note: Results must be specific to the permittee's SWMP.</i></p> <p>See attached PBC Group Joint Report – Appendix B (Summary of Average Annual Pollutant Loading Model Activities) and the Town of Palm Beach Shores Water Quality Assessment Report FY19-20.</p>
C.	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. <i>DEP Note: Analysis must be specific to the permittee's SWMP.</i></p> <p>See the attached Town of Palm Beach Shores Water Quality Assessment Report FY19-20.</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$17,877.37
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$112,525
C.	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>The resource Budget includes Statement of Revenue and Expenditures and Capital Expenditures. There were no Capital Expenditures for the reporting year.</p>

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

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

Attached	N/A	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	Refer to Joint Report and Town's Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	Refer to Joint Report and Town's 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	Conclusion from Cycle 4, Year 2 was no changes are needed
<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 changes are needed
<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	Refer to year 4 Joint 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): Alan Welch

Title: Public Works Director

Signature:  Date: 3/24/2021

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	Structural Controls and Stormwater Collection Systems Operation								
<p>Report the current known inventory.</p> <p>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.</p> <p><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></p>									
Type of Structure		Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
Exfiltration trench / French drains (lf)		4	12	100	12	100	Maintenance Logs	Public Works	Inspect & Clean 4 Times Annually
Major outfalls pipes / culverts (miles)		2	4	100	0	100	Maintenance Logs	Public Works	Strs #5 & 6
Inlets / catch basins / grates		1.5	2	100	0	100	Maintenance Logs	Public Works & Contractor When services Are Required.	Contractor provided no video only visual inspection for Ocean Ave
		106	106	50	106	100	Maintenance Logs	Public Works	Approved Budget year 2020-2021 to replace Grates and repair concrete aprons for catch basins.
<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>		<p style="text-align: center;"><input checked="" type="checkbox"/></p> <p>All the minimum inspections were met.</p>				Maintenance Logs	Public Works	Requesting Budget Line Item to fund Stormwater Pipes Inspections with use of	

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						cameras every 5 to 8 years.

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Inspections and maintenance are continuing more frequently due to High King Tides and increased construction activity.				
	Limitations: Again, no limitations experienced to date for the SWMP protocols.				
	SWMP revisions implemented to address limitations: None Needed				
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	Submitted Site Plans	PBS	
	Number of significant development projects approved	0	Submitted Site Plans	PBS	
	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	0 <input type="checkbox"/>			
	Year 4 ONLY: Attach the follow-up report on plan implementation	0 <input type="checkbox"/>	YR2 ARF LRDs	PBS	Conclusion from Cycle 4, Year 2 was no changes are needed.
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Inspections and maintenance are continuing more frequently due to High King Tides and increased construction activity.				
	Limitations: Again, no limitations experienced to date for the SWMP protocols.				
	SWMP revisions implemented to address limitations: None Needed				
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>				
	PERMITTEE Litter Control: Frequency of litter collection	Once Per. week	Monthly Reports	Public Works	Maintenance Performed when Required
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	1.5 miles	Monthly Reports	Public works	Maintenance Performed when Required
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	1 to 2 trash bags per week, 58.5 total trash bags per year	Monthly Reports	Public Works	Size of Trash Bags used 38X58
	CONTRACTOR Litter Control: Frequency of litter collection	0	SOP	PW	
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	0	SOP	PW	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0	SOP	PW	
	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".				
	Trash Pick-up Events: Total miles cleaned	0	SOP	PW	
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	SOP	PW	
	Adopt-A-Road: Total miles cleaned	0	SOP	PW	
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	SOP	PW	
	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	As Required.	Weekly Reports	Public Works	Dirt Debris has decreased on streets due to Commercial and private properties increasing maintenance.
	Total miles swept	.5	Weekly Reports	Public works	
	Estimated quantity of sweeping material collected (cy / tons)	1 cu. Yd.	FSA SAC estimate	Public Works	Estimate
	Total phosphorous loadings removed (pounds)	0.8	FSA SAC estimate	Public Works	Estimate
	Total nitrogen loadings removed (pounds)	1.4	FSA SAC estimate	Public Works	Estimate
	Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.				
	Name of Facility	Number of Inspections			
	None	0	SOP	PW	

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Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: Inspections have occurred more frequently due to High King Tides and increased construction.					
	Limitations: Again, no limitations experienced to date for the SWMP protocols.					
	SWMP revisions implemented to address limitations: None at this time.					
Part III.A.4	Flood Control Projects					
	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.					
	Flood control projects completed during the reporting period		0	Comp Plan	PBS	
	Flood control projects completed that did not include stormwater treatment		0	Comp Plan	PBS	
	Stormwater retrofit projects planned/under construction		0	Comp Plan	PBS	
	Stormwater retrofit projects completed		0	Comp Plan	PBS	
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.		0	Comp Plan	PBS		
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: Active Staff and Small Town					
	Limitations: Subject to Tidal Surge					
	SWMP revisions implemented to address limitations: None Needed					
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit					
	Report the applicable facilities and the number of the inspections conducted for each facility.					
	Name of Facility		Number of Inspections			
	None		0	Inventory	PBS	
	None		0	Inventory	PBS	
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: No Facilities, therefore no strengths					
	Limitations: No Facilities, therefore no limitations					
	SWMP revisions implemented to address limitations: None Needed					
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application					
	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.					

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
	PERSONNEL: FDACS public applicators of pesticides/herbicides CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	0	SOP	PBS	N/A	
	PERSONNEL: Green Industry BMP Program training completed CONTRACTORS: FDACS certified / licensed applicators of fertilizer	2	License on File	Hulett Pest Contr.&Zimmerm an Tree service	Town Buildings & Town Trees	
		0	SOP	PBS		
		1	License on File	BrightView Landscaping	Town Property	
	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.					
	Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance		<input type="checkbox"/>			
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).					
	Public Education and Outreach Program		The public outreach and education plan are 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.			
	Brochures/Flyers/Fact sheets distributed		5	Brochures	Town of Palm Beach Shores	Town Hall Display in Lobby
	Newspapers & newsletters: Number of articles/notices published		0	Newsletter	Town of Palm Beach Shores	
Newsletters: Number of newsletters distributed		959	Hard Copies, Town Website	Town of Palm Beach Shores	Postal Service & Electronic media	
Public displays (e.g., kiosks, storyboards, posters, etc.)		3	Flyers	Town of Palm Beach Shores	Bulletin Boards	
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: The Group program is effective					
	Limitations: None Known					
	SWMP revisions implemented to address limitations: None needed					
Part III.A.7.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"/> 0	Counsel Min	City Counsel	No Amendments	
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					

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	and type of enforcement actions taken.				
	Proactive inspections for suspected illicit discharges	85	SOP Forms & DEP Regulations	Code Enforcement & Public Works	Routine Inspections Construction Sites with Building Official
	Illicit discharges found during a proactive inspection	0	Maintenance Logs	PBSN/A	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	Code Enforcement NOV	Code Enforcement & Public Works	
	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	SOP Forms & DEP Regulations	Code Enforcement & Public Works	Routine Inspections Construction Sites with Building Official
	Reactive investigations of reports of suspected illicit discharges etc.	0	SOP Form	Code Enforcement & Public Works	
	Illicit discharges etc. found during reactive investigation	0	SOP Form	Code Enforcement & Public Works	
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Code Enforcement NOV	Code Enforcement & Public Works	
	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	3	Certificates on File	FSA Training & SFWM & FDEP & Tabletop	Performing Any Additional Training When Available
	Contractors trained	0	NPDES Meeting	FSA Training & SFWM & FDEP & Tabletop	Public Meeting
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
	Report on the spill prevention and response activities, including the number of spills addressed.				
	Hazardous and non-hazardous material spills responded to	0	SOP	PBS	

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	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	31	Fire Department	Public Works & Fire Department	Tabletop & Outside Contractor
	Contractors trained	0	Fire Department	Fire Department	
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	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).				
	Public Education and Outreach Program	The public outreach and education plan are 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.			
	Brochures/Flyers/Fact sheets distributed	0	Town Hall	Town Hall	Due to COVID Restrictions
	Neighborhood presentations: Number conducted	0	Public Works & Fire Department	Storm Water & Me, PBC Storm Water System Group, PBCSWA, FDEP	Due to COVID Restrictions
	Neighborhood presentations: Number of participants	0	Fire department	Public Works & Fire Department	Due to COVID Restrictions
	Newspapers & newsletters: Number of articles/notices published	0	Town Hall	Town Hall Town of Palm Beach Shores	
	Newsletters: Number of newsletters distributed	0	Town Hall	Town Hall Town of Palm Beach shores	
	Public displays (e.g., kiosks, storyboards, posters, etc.)	3	Town Hall	Town Hall Town of Palm Beach shores	
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	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).				
	Public Education and Outreach Program	The public outreach and education plan are 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			

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				information.			
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			Town of Palm Beach Shores Pumps to The City of Riviera Beach Facility			
	Activity to reduce/eliminate SSOs and I&I: (description)			0	City of Riviera Beach (RB)	City of Riviera Beach (RB)	RB
	Activity to reduce/eliminate SSOs and I&I: (description)			0	RB	RB	RB
	SSO incidents discovered			0	RB	RB	RB
	SSO incidents resolved			0	RB	RB	RB
	Inflow / infiltration incidents discovered			0	RB	RB	RB
	Inflow / infiltration incidents resolved			0	RB	RB	RB
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: Active Staff and Small Town						
	Limitations: None known						
	SWMP Revisions implemented to address limitations: None needed						
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	floridadep.gov.s solidwaste	PBS	
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	enviro.epa.gov	PBS	
	EPCRA Title III, Section 313 facilities (TRI)	0	0	0	enviro.epa.gov	PBS	
	Facilities determined as high risk by the permittee	0	0	0	enviro.epa.gov	PBS	
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries						
	Report the number of high-risk facilities sampled. N/A						
	High risk facilities sampled	0		SOP	PBS		

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Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: No Facilities				
	Limitations: No Facilities				
	SWMP revisions implemented to address limitations: None Needed				
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	Planning & Zoning	PBS	N/A
	PERMITTEE SITES: Construction site plans approved	0	Planning & Zoning	PBS	N/A
	PRIVATE SITES: Construction site plans reviewed	0	Planning & Zoning	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos < 1 Ac
	PRIVATE SITES: Construction site plans approved	0	Planning & Zoning	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos < 1 Ac
	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	SOP Site Plans	PBS	Below Threshold
	Confirmed ERP coverage	0	PreConstr Mtg	PBS	
	Notified of CGP stormwater permit requirements	0	SOP Site Plans	PBS	Below Threshold
	Confirmed CGP coverage	0	PreConstr Mtg	PBS	
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	Planning & Zoning	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	Planning & Zoning	Safe Built Inspection &	Single Family Homes &

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
	PERMITTEE SITES: Percentage of active construction sites inspected PRIVATE SITES: Active construction sites PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs PRIVATE SITES: Percentage of active construction sites inspected Enforcement Action			Diversified Building Department	Condos
		0	Planning & Zoning	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos
		0	Construction Inspections Reports	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos<1 Ac
		0	Construction Inspections Reports	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos<1 Ac
		0	Construction Inspections Reports	Safe Built Inspection & Diversified Building Department	Single Family Homes & Condos<1 Ac
		0	Construction Inspections Reports	PBS	
Part III.A.9.c	Construction Site Runoff— Site Operator Training				
	Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).				
		DEP Certification	Annual Training		
	Permittee construction site inspectors	2	2	Inspector Certification	Safe Built Inspection & Diversified Building Department & Public Works
	Permittee construction site plan reviewers	1	1	Building Inspector	Safe Built Inspection & Diversified Building Department

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
	Permittee construction site operators	1	1	Building Inspector	Safe Built Inspection & Diversified Building Department	
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: Training when available & Continuing Education.					
	Limitations: None					
	SWMP revisions implemented to address limitations: None					

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.
	0	None currently always under review.
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)
	0	None currently always under review.

SECTION IX. TMDL Status Report

A.	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.	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.								

TOWN OF PALM BEACH SHORES
MS4 Permit No. FLS000018-004
Water Quality Assessment Report FY19-20

The Town of Palm Beach Shores MS4 lies within the Lake Worth Lagoon Watershed. Palm Beach Shores is a small coastal Town; about 2900' (ten blocks) north to south and about 2900 feet wide from the Intracoastal Waterway to the Atlantic Ocean which consists primarily of residential properties. Commercial properties are concentrated on Lake Drive and Ocean Avenue, the outer perimeter roads. These roadways: Lake Drive, Ocean Avenue, and Inlet Way are served by separate drainage control structures in the form of catch basins with grates. The Town's 2 major NPDES outfalls serve residential drainage areas and commercial properties that discharge into Lake Worth Lagoon via Palm Beach Inlet. The Town does not have swales, ditches, retention ponds, lakes, or canals to assist with storm water drainage as it was built many decades ago. The Town is using the ambient water quality monitoring data as collected by Palm Beach County Environmental Resource Management (ERM) at the LWL-4 monitoring station near Little Munyon Island in Lake Worth Lagoon. As these MS4 discharges are serving single family residential, retail commercial, and Town facilities, low pollutant loading rates are typical.

Water Quality Monitoring

Palm Beach Shores is bounded by the Atlantic Ocean on the east, Palm Beach Inlet on the south, the Lake Worth Lagoon (Intracoastal Waterway) on the west, and the City of Riviera Beach (for about 2900') on the north. There are 6 stormwater outfall (2 Major), two directly into the Palm Beach Inlet (the Major Outfalls) and the other four into Lake Worth Lagoon all within 3000 feet of the Palm Beach Inlet. During outgoing tides all Palm Beach Shores discharges enter the Atlantic Ocean which is generally nutrient poor. These outgoing tides do not contribute to any Impaired water bodies. During incoming tides and periods of runoff some nutrient could be contributing to the Lake Worth Lagoon, but the dilution factor being adjacent to the Palm Beach Inlet would make any contribution by Palm Beach Shores de minimis.

A map of the PBC monitoring locations is attached for reference. This map also depicts the approximate Town boundaries. Also attached are the results of the monitoring in graphs of TN, TP, and Chlorophyll-a for location LWL-4 which is upstream during outgoing tides and downstream during incoming tides.

The TN at LWL-4 is trending down at a slope of 0.00002 to 0.00004 and is not indicating exceedances. The downward trend is not correlated with direction of flow, but none the less indicates improvements through the 15 years of data.

The TP at LWL-4 is trending down at a slope of 0.000001 to 0.000002 (nearly flat) and is not indicating exceedances. The downward trend is not correlated with direction of flow, but none the less indicates improvements through the 15 years of data.

The Chlorophyll-a at LWL-4 is trending up or down according to the data trending method utilized, i.e. the Sen slope is positive at 0.000073 and the least squares slope is negative at 0.0002. The trend is not correlated with direction of flow and indicates little change or some improvement through the 15 years of data. The trend (if down) correlates with the above nutrient data but does not if it is trending slightly up as per the Sen's trending. The Chlorophyll-a trend may be caused by other factors than those represented in the aforementioned nutrient data which are trending downward from these sampling points.

Pollutant Loading Estimate (same as 2019)

The Town of Palm Beach Shores is relying on the Group Report. The Group developed pollutant loading estimates during the 3rd year of this permit cycle, using the SIMPLE protocol. The group provided loadings estimates “by MS4” as listed below for the 6 required water quality parameters. The results as listed below include a 6% reduction in 2018 for public education as allowed by FDEP.

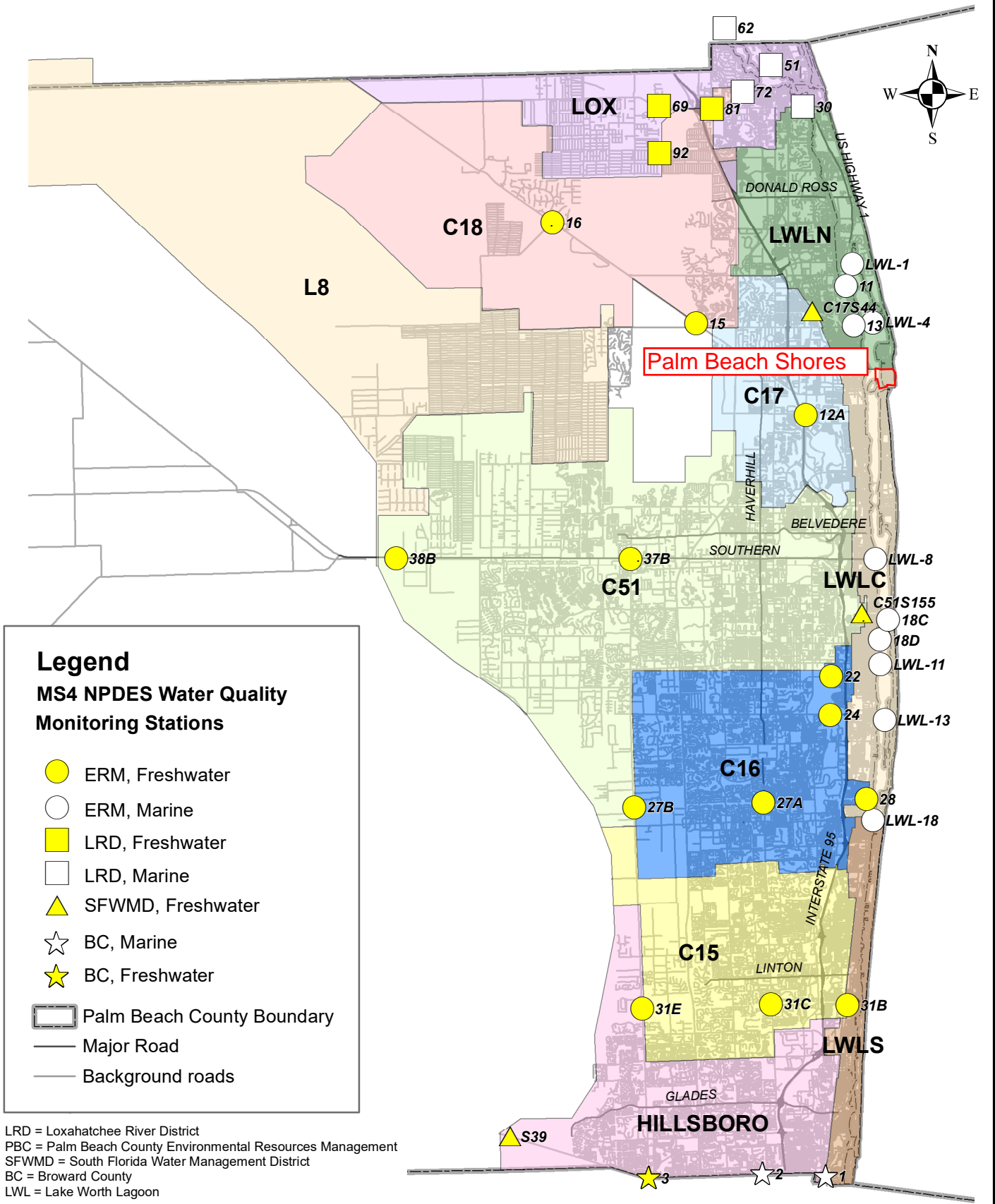
	BOD ₅ ~lbs	TSS ~lbs	TP ~lbs	Cu ~lbs	Zn ~lbs	TN ~lbs
2013	4,274	23,832	377	11	48	9770
2018	4020	22,427	354	10	45	9,184

The pollutant loading estimates indicate lower pollutant loadings over past two permit cycles. A majority of the pollutant loadings appears to be from non-MS4 sources (see group report). The pollutant loading estimates indicate that the current stormwater pollution prevention programs in place are generally managing the stormwater runoff in terms of pollutant loadings, and implementation of additional programs is not warranted.

Evaluation and Response Plan

Both of the above analyses indicate reductions in nutrients. The exception is the indicator Chlorophyll-a. Chlorophyll-a is trending marginally down and both TN and TP are trending down. This indicates the flat Chlorophyll-a is being caused by other factors than those represented in the aforementioned nutrient data.

As a result of the above Palm Beach Shores is considered to have an effective stormwater management program. Palm Beach Shores is therefore not targeting any areas for loading reduction/corrective action.



Palm Beach County (Eastern Area) Watershed Boundaries and Water Quality Monitoring Stations Figure 5-1

