



# 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: City of South Bay		
<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 checked="" type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
<b>E.</b>	Reporting Time Period (month/year): October / 2018 through September / 2019		
<b>F.</b>	Name of the Responsible Authority: Leondrae D. Camel		
	Title: City Manager		
	Mailing Address: 335 SW 2 <sup>nd</sup> Avenue		
	City: South Bay, FL	Zip Code: 33493	County: Palm Beach
	Telephone Number: 561-996-6751		Fax Number: 561-996-7950
<b>G.</b>	E-mail Address: <a href="mailto:camell@southbaycity.com">camell@southbaycity.com</a>		
	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Edgar W. Kerr		
	Title: Public Works Director		
	Department: Public Works		
	Mailing Address: 335 SW 2 <sup>nd</sup> Avenue		
	City: South Bay, FL	Zip Code: 33493	County: Palm Beach
Telephone Number: 561-996-6751		Fax Number: 561-996-7950	
E-mail Address: <a href="mailto:kerre@southbaycity.com">kerre@southbaycity.com</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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>B.</b>	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>C.</b>	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

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

<b>A.</b>	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: Current approved plan for the Group Monitoring Plan is September 8, 2016. Our Assessment Plan/Water Quality Monitoring Plan was approved April 08, 2019.</p> <p>Status: The group Monitoring Report is included in the Cycle 4, Year 3, Joint Annual Report. South Bay's Water Quality Monitoring Report Year 3 is attached.</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>Refer to the Cycle 4, Year 3, Joint Annual Report for a summary of the Group's Water Quality Monitoring results for the reporting period, and the Group's Pollutant Loading estimates.</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>Refer to attached City of South Bay Water Quality Monitoring Report.</i></p>

**SECTION IV. FISCAL ANALYSIS**

<b>A.</b>	Total expenditures for the NPDES stormwater management program for the current reporting year: \$3,000
<b>B.</b>	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$3,000
<b>C.</b>	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p>

**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 Report and City's Water Quality Monitoring 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	Refer to Joint Report and City Water Quality Monitoring Report
<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	
<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"> <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	
<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): Leondrae D. Camel

Title: City Manager

Signature:  Date: 12 / 16 / 19

**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.1</b>	<b>Structural Controls and Stormwater Collection Systems Operation</b>								
	<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>								
	<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>			
	Dry retention systems	1	1	100	1	25	SOP	PW	Maintenance as needed
	Underdrain filter systems	0							
	Exfiltration trench / French drains (lf)	.5	1	100			SOP	PW	Maintenance as needed
	Grass treatment swales (miles)	0							
	Dry detention systems	0							
	Wet detention systems	0							
	Detention with filtration systems	0							
	Alum Injection systems	0							
	Pollution control boxes	0							
	pump stations	0							
	Major outfalls	3	3	100	3	100	Inspection Log	PW	Maintenance as needed
	Weirs or other control structures	0							
	pipes / culverts (miles)	10	5 (miles)	50	1	100	SOP	PW	Maintenance as needed
	Canals	0							
	Inlets / catch basins / grates	167	84	50	1	100	SOP	PW	Maintenance as needed
	Ditches / conveyance swales (miles)	0							
	If the minimum inspection frequencies set forth in Table II.A.1.a. were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.	<input type="checkbox"/>							All Met

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<b>Part III.A.1 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths: Inspecting as many times as possible.</b>				
	<b>Limitations: Maintenance can be difficult to schedule because of time restrains.</b>				
	<b>SWMP revisions implemented to address limitations: None</b>				
<b>Part III.A.2</b>	<b>Areas of New Development and Significant Redevelopment</b>				
	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.				
	<b>Number of significant development projects reviewed</b>	0			
	<b>Number of significant development projects approved</b>	0			
	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>	<input checked="" type="checkbox"/>	Land Development Codes	PW	Refer to Land Development Codes
	<b>Year 4 ONLY: Attach the follow-up report on plan implementation</b>	<input type="checkbox"/>			
<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: Works in conjunction with South Florida Water Management District</b>				
	<b>Limitations: None</b>				
	<b>SWMP revisions implemented to address limitations: None</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>	Daily	SOP	PW	Staff
	<b>PERMITTEE Litter Control: Estimated amount of area maintained (lf)</b>	5 Miles	SOP	PW	Staff
	<b>PERMITTEE Litter Control: Estimated amount of litter collected (cy)</b>	2 cy/month	SOP	PW	24 Cy/Yr
	<b>CONTRACTOR Litter Control: Frequency of litter collection</b>	0	0	0	Not Contracted
	<b>CONTRACTOR Litter Control: Estimated amount of area maintained (lf)</b>	0	0	0	Not Contracted
	<b>CONTRACTOR Litter Control: Estimated amount of litter collected (cy)</b>	0	0	0	Not Contracted
	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	20	GAC Site report	City of South Bay	Annual Event
	Trash Pick-up Events: Estimated amount of litter collected (cy)	6	GAC Site report	City of South Bay	Annual Event
	Adopt-A-Road: Total miles cleaned	2	GAC Site Report	City of South Bay	NW 1 <sup>st</sup> St
	Adopt-A-Road: Estimated amount of litter collected (cy)	0.5	GAC Site Report	City of South Bay	Daily Pickup
	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	0	N/A	N/A	The city of South Bay has determined that it's not enough curbs in the city to invest in a street sweeper
	Total miles swept	0	N/A	N/A	N/A
	Estimated quantity of sweeping material collected (cy / tons)	0	N/A	N/A	N/A
	Total phosphorous loadings removed (pounds)	0	N/A	N/A	N/A
	Total nitrogen loadings removed (pounds)	0	N/A	N/A	N/A
	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			
	City of South Bay Maintenance Building	2	Maintenance Inspection sheet	PW	N/A

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	
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths: Employees have a good understanding of the Maintenance Inspection requirements.</b>					
	<b>Limitations: No limitations</b>					
	<b>SWMP revisions implemented to address limitations: None, Management persistence a most.</b>					
Part III.A.4	<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>Flood control projects completed that did <u>not</u> include stormwater treatment</b>		0			N/A
	<b>Stormwater retrofit projects planned/under construction</b>		0			N/A
	<b>Stormwater retrofit projects completed</b>		0			N/A
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"/>				
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths: Inventory and inspections of SWMS helps to identify issues with flooding and water quality enhancement needs</b>					
	<b>Limitations: None</b>					
	<b>SWMP revisions implemented to address limitations: None</b>					
Part III.A.5	<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>			
	<b>City of South Bay Maintenance Building</b>		2	Maintenance inspection Sheet	PW	N/A
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths: Inspection aids in controlling any potential pollution into the storm water system.</b>					
	<b>Limitations: None</b>					
	<b>SWMP revisions implemented to address limitations: None</b>					
Part III.A.6	<b>Pesticides, Herbicides, and Fertilizer Application</b>					
	Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed.					

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Report the number of permittee personnel who have been trained through the Green Industry BMP Program and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.				
	<b>PERSONNEL: FDACS public applicators of pesticides/herbicides</b>	0			No Application
	<b>CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</b>	0			No Application
	<b>PERSONNEL: Green Industry BMP Program training completed</b>	0			No Application
	<b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b>	0			No Application
	Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.				
	<b>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b>	0			ORD No. 09-2013
	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>Brochures/Flyers/Fact sheets distributed</b>	0			No Application
	<b>Neighborhood presentations: Number conducted</b>	0			No Application
	<b>Newsletters: Number of newsletters distributed</b>	0			
	<b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b>	1	Display at City Hall	Comm Dev	
	<b>Number of visitors to stormwater-related pages</b>	10	Research	PW	
<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: Public education helps to reduce pollution into the receiving water bodies.</b>				
	<b>Limitations: None</b>				
	<b>SWMP revisions implemented to address limitations: None</b>				
<b>Part III.A.7.a</b>	<b>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</b>				
	Report amendments in Year 4.				
	<b>Year 4 ONLY: Attach a report on amendments to applicable legal authority</b>	<input type="checkbox"/>			
<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>	1	SOP	PW	Inspect whenever structural



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<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>Illicit discharges found during a proactive inspection NOV/WL/citation/fines issued for illicit discharges found during proactive inspection</b>				inspection in done
		1	SOP	PW	
		1	Warning	Code Enf	SOP
	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 Reactive investigations of reports of suspected illicit discharges etc. Illicit discharges etc. found during reactive investigation NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation</b>	0			None
		0			None
		0			None
		0			None
	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>	6	Sign-In Sheet	PBC Steering Committee	June 05, 2019
	<b>Contractors trained</b>	0			No Contractors
<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>				
	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>	6	Sign-In Sheet	PBC Steering Committee	June 05, 2019
	<b>Contractors trained</b>	0			No Contractors
<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>Brochures/Flyers/Fact sheets distributed</b>	0	Broc/Flyers	PBC/SWA	None this reporting period
	<b>Neighborhood presentations: Number conducted</b>	0			None
	<b>Neighborhood presentations: Number of participants</b>	0			None
	<b>Newspapers &amp; newsletters: Number of articles/notices published</b>	0			

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Newsletters: Number of newsletters distributed Public displays (e.g., kiosks, storyboards, posters, etc.)		0			
			1	Display at City Hall	Comm Dev Dept	
<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>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>	Palm Beach County				
	<b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b>	0				
	<b>Activity to reduce/eliminate SSOs and I&amp;I: (description)</b>	0				
	<b>SSO incidents discovered</b>	0				
	<b>SSO incidents resolved</b>	0				
	<b>Inflow / infiltration incidents discovered</b>	0				
	<b>Inflow / infiltration incidents resolved</b>	0				
<b>Part III.A.7 Summary</b>	For activities required by Part III.A.7: Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths: Palm Beach County recently acquired South Bay's sanitary systems.</b>					
	<b>Limitations: None</b>					
	<b>SWMP Revisions implemented to address limitations: None</b>					
<b>Part III.A.8.a</b>	<b>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</b>					
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year. Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.					
	<b>Type of Facility</b>	<b>Number of Facilities</b>	<b>Number of Inspections</b>	<b>Enforcement Actions</b>		

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Operating municipal landfills	0				No Facilities
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0				
	EPCRA Title III, Section 313 facilities (TRI)	0				
	Facilities determined as high risk by the permittee	0				
<b>Part III.A.8.b</b>	<b>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</b>					
	Report the number of high risk facilities sampled.					
	High risk facilities sampled	0				N/A
<b>Part III.A.8 Summary</b>	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths: N/A</b>					
	<b>Limitations: N/A</b>					
	<b>SWMP revisions implemented to address limitations: N/A</b>					
<b>Part III.A.9.a</b>	<b>Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices</b>					
	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.					
	PERMITTEE SITES: Construction site plans reviewed	0				
	PERMITTEE SITES: Construction site plans approved	0				
	PRIVATE SITES: Construction site plans reviewed	0				
	PRIVATE SITES: Construction site plans approved	0				
	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				No new development applied for this period
	Confirmed ERP coverage	0		N/A	N/A	N/A
	Notified of CGP stormwater permit requirements	0		N/A	N/A	N/A
	Confirmed CGP coverage	0		N/A	N/A	N/A
<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.					
	PERMITTEE SITES: Active construction sites	0				No new construction during this period
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction	0				

<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>
	sites for E&S and waste control BMPs					
	PERMITTEE SITES: Percentage of active construction sites inspected		0			
	PRIVATE SITES: Active construction sites		0			
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs		0			
	PRIVATE SITES: Percentage of active construction sites inspected		0			
	Enforcement Action		0			
<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>	<b>1</b>	<b>1</b>	Sign-In Sheet	PBC Steering Committee	June 05, 2019
	<b>Permittee construction site plan reviewers</b>		<b>1</b>	Sign-In Sheet	PBC Steering Committee	No new site plan review training during this reporting period
	<b>Permittee construction site operators</b>		<b>1</b>	Sign-In Sheet	PBC Steering Committee	June 05, 2019
<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: Training and education provide more awareness of pollutants potential from sediments</b>					
	<b>Limitations: None</b>					
	<b>SWMP revisions implemented to address limitations: None</b>					

**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**

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	N/A	N/A	/	N/A	1	N/A	(Year 3 AR)	(Year 4 AR; N/A) if BPCP)
	N/A	N/A	N/A	/	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	/	N/A	N/A	N/A	N/A	N/A
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	N/A	(Year 3 AR)	(Year 4 AR; N/A if BPCP)	N/A				
	N/A	N/A	N/A	N/A	N/A				
	N/A	N/A	N/A	N/A	N/A				
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								

# Water Quality Monitoring Report (Yr 3)

## Purpose

The purpose of the 'Water Quality Monitoring Report' is to provide information for the City of South Bay 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 City of South Bay MS4 system is in Group 5- Everglade Agricultural Area and discharges into South Florida Water Management District North New River Canal (WBID 3248). This WBID identifies impaired for nutrient by FDEP on Cycle 1 Assessment based on exceeding the threshold for Chlorophyll-a of 20ug/1 in 2002. No TMDL has been adopted by FDEP at this time. However, it is on FDEP's listing of scheduled priority TMDL's by 2022.
  
- B. Water Quality Monitoring Program-** As a co-permittee to Palm Beach County MS4 Group, South Bay uses the ambient water quality data provided by the Group. In Cycle 4 Year 3 the Group reported on two water quality monitoring stations for the North New River Canal. Station S-2 is a SFWMD monitoring site located 2.5 miles north of Palm Beach County Monitoring Station 43 near the SR80 crossing of the North New River Canal in South Bay. Refer to the attached map for locations of the two monitoring stations including South Bays MS4 drainage area. As noted above the primary water quality parameter of concern by FDEP for the North New River Canal is nutrients (Chlorophyll-a Phosphorous and Nitrogen). Since the North New River is in the South Florida Region the State has not adopted a numeric value for Phosphorous and Nitrogen the only Chlorophyll-a value can be compared to the water quality sampling data for exceedance of any numeric criteria. SFWMD monitoring station S2 does not include Chlorophyll-a, however the PBC monitoring Station 39 does. For the last three years station 43 Annual Geometric Mean Values were 5.2 ug/l, 8.2 ug/l and 8.16 ug/l, all below the threshold of 20 ug/l AGM.
  
- C. Water Quality Trends Analysis-** Nutrient trend data for the S-2-6-7 Watershed and water quality stations is reported in Table 5-11 in the Groups Year 3 Joint Report.

Station S-2 shows a slight decreasing trend for total Nitrogen slight increasing trend for total Phosphorus and Cholorphyll-a.

South Bay’s pollutant loadings estimates (Cycle 3 and Cycle 4) for six required water quality parameters is reported in Appendix B of the Palm Beach County Groups Cycle 4 Year 3 Joint Report (Summary of Average Annual Pollutant Loading Model Activities). South Bay data is on page 34 in Table 21 and is shown below in Table 1.

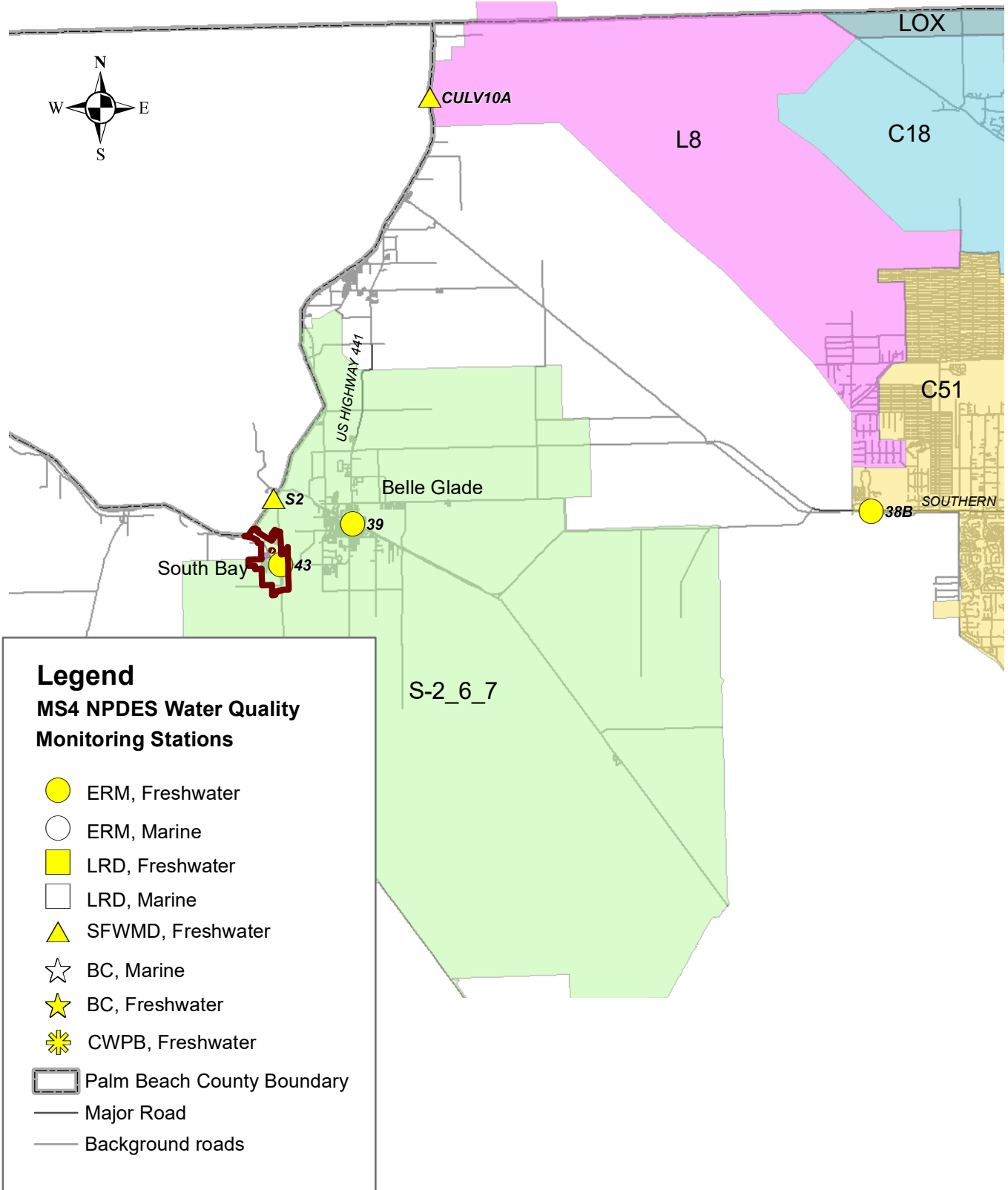
South Bay has in place stormwater management programs that reduces nutrient loading into the S-2-6-7 Watershed. These include inspections/maintenance of its stormwater facilities, litter control, and fertilizer ordinance and public education. The public education component alone allows a further 6% reduction in pollutant loadings.

**Table 1**

Parameter	BOD <sub>5</sub>	TSS	TP	CU	2N	TN
2013 Loads	1,930	9,507	100	6	18	732
2018 Loads	1,934	9,537	100	6	18	733
Other Reductions – Public Education (6%)	116	572	6	0.4	1.1	44
Net Loads	1,814	8,935	94	5.6	16.9	688
Overall Reduction	6%	6%	6%	6%	6%	6%

**D. Conclusions-** the City of South Bay stormwater management programs are effective in reducing nutrient loadings. This is supported by both the water quality monitoring program and pollutant loading information.





LRD = Loxahatchee River District  
PBC = Palm Beach County Environmental Resources Management  
SFWMD = South Florida Water Management District  
BC = Broward County  
LWL = Lake Worth Lagoon  
CWPB = City of West Palm Beach

Palm Beach County (Western Area) Watershed Boundaries and Water Quality Monitoring Stations Figure 1