



# 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  
 2800 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 type="checkbox"/> Year 3 <input checked="" type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:
<b>E.</b>	Reporting Time Period (month/year): October / 2019 through September / 2020
<b>F.</b>	Name of the Responsible Authority: Leondrea 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>	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: kerre@southbaycity.com

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)	
<b>A.</b>	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>B.</b>	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable)
<b>C.</b>	Is the change in the total number of outfalls due to lands annexed or vacated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

SECTION III PART V.B. ASSESSMENT PROGRAM

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.  <u>DEP Note:</u> <i>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.</p> <p>Status: The group Monitoring Report is included in the Cycle 4, Year 2, Joint Annual Report. South Bay's Assessment Plan was submitted to FDEP on March 6, 2018 and approval by FDEP June 05, 2019.</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.  <u>DEP Note:</u> <i>Results must be specific to the permittee's SWMP.</i></p> <p>Refer to the Cycle 4, Year 2, Joint Annual Report for a summary of the Group's Water Quality Monitoring results for the reporting period. The Group's Pollutant Loading estimates will be included in the Cycle 4, Year 3, Joint Annual Report. Although the attached City of South Bay Water Quality Monitoring Plan has been prepared based on the submitted Year 1 Assessment Plan.</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.  <u>DEP Note:</u> <i>Analysis must be specific to the permittee's SWMP.</i></p> <p>Refer to attached City of South Bay Water Quality Monitoring Report.</p>

SECTION IV FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$3,000
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$3,000
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>

**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	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 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 Changes
<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	Refer to Joint Annual 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): Leondrae D. Camel

Title: City Manager

Signature:  Date: 01 / 19 / 21



SECTION VII STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments					
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation									
Report the current known inventory.										
Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a. and the percentage of the total inventory of each type of structure inspected and maintained.										
<i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i>										
Type of Structure	Dry retention systems Exfiltration trench / French drains (ft) Major outfalls pipes / culverts (miles) Inlets / catch basins / grates	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained				
		0	0	0	0	0		PW		
		0	0	0	0	0		PW		
		3	3	100	3	100	Inspection Log	PW	Maintenance as needed	
		10	5	50	1	100	Inspection Log	PW	Maintenance as needed	
167	83	50	1	100	Inspection Log	PW	Maintenance as needed			
<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>						All Met				

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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: Inspecting as many times as possible. Limitations: Maintenance can be difficult to schedule because of time restraints. SWMP revisions implemented to address limitations: None				
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	Permits	Planning Dept.	
	Number of significant development projects approved	0	Permit Tracking	Planning Dept.	
	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	Phone call	Planning Dept.	No changes
	Year 4 ONLY: Attach the follow-up report on plan implementation				
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  <del>Strengths: Works in conjunction with South Florida Water Management District</del> Limitations: None SWMP revisions implemented to address limitations: None				
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.  Note: If the permittee does not contract activities, delete CONTRACTOR activities.				
	PERMITTEE Litter Control: Frequency of litter collection	Daily	Collection reports	PW	Staff
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	18 Miles	SWA Report	PW	Staff
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	24	Collection reports	PW	2cy/month
	CONTRACTOR Litter Control: Frequency of litter collection	Daily	Daily	0	Not Contracted
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	18 miles	18 miles	0	Not Contracted
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	Daily	3.2 tons	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".				
	Trash Pick-up Events: Total miles cleaned	18 miles	SWA Report	PW	Contract Service
	Trash Pick-up Events: Estimated amount of litter collected (cy)	1.4 tons	SWA Report	PW	Contract Service
	Adopt-A-Road: Total miles cleaned	2	Daily Pickup	City of South Bay	NW 1 <sup>st</sup> St

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	<p><b>Adopt-A-Road: Estimated amount of litter collected (cy)</b></p> <p>Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.</p>	300	Daily Pickup	City of South Bay	Daily Pickup																				
	<p><b>Frequency of street sweeping</b></p> <p>Estimated quantity of sweeping material collected (cy / tons)</p> <p>Total phosphorous loadings removed (pounds)</p> <p>Total nitrogen loadings removed (pounds)</p> <p>Report the equipment yards and maintenances shops that support road maintenance activities, and the number of inspections conducted for each facility.</p>	0	Aerial coverage	PW	Very little curbs in the area																				
	<p><b>Name of Facility</b></p> <p>City of South Bay Maintenance Building</p>	0	N/A	N/A	N/A																				
	<p><b>Number of Inspections</b></p> <p>2</p>	0	N/A	N/A	N/A																				
	<p><b>Maintenance Inspection sheet</b></p> <p>PW</p>	0	N/A	N/A	N/A																				
<p><b>Part III.A.3 Summary</b></p>	<p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths: Employees have a good understanding of the Maintenance Inspection requirements.</b></p> <p><b>Limitations: No limitations</b></p> <p><b>SWMP revisions implemented to address limitations: None, Management persistence a must.</b></p>																								
<p><b>Part III.A.4 Summary</b></p>	<p><b>Flood Control Projects</b></p> <p>Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not.</p> <p>Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.</p> <p><b>Flooded control projects completed during the reporting period</b></p> <table border="1"> <thead> <tr> <th></th> <th>0</th> <th>Capital Improv Plan</th> <th>PW</th> <th>None this period</th> </tr> </thead> <tbody> <tr> <td>Flood control projects completed that did not include stormwater treatment</td> <td>0</td> <td>CIP</td> <td>PW</td> <td></td> </tr> <tr> <td>Stormwater retrofit projects planned/under construction</td> <td>0</td> <td>CIP</td> <td>PW</td> <td></td> </tr> <tr> <td>Stormwater retrofit projects completed</td> <td>0</td> <td>CIP</td> <td>PW</td> <td></td> </tr> </tbody> </table> <p>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.</p> <p>Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.</p> <p><b>Strengths: Inventory and Inspections of SWMS helps to identify issues with flooding and water quality enhancement needs</b></p>		0	Capital Improv Plan	PW	None this period	Flood control projects completed that did not include stormwater treatment	0	CIP	PW		Stormwater retrofit projects planned/under construction	0	CIP	PW		Stormwater retrofit projects completed	0	CIP	PW					
	0	Capital Improv Plan	PW	None this period																					
Flood control projects completed that did not include stormwater treatment	0	CIP	PW																						
Stormwater retrofit projects planned/under construction	0	CIP	PW																						
Stormwater retrofit projects completed	0	CIP	PW																						



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
	<p>Limitations: None</p> <p><b>SWMP revisions implemented to address limitations: Projects are on the LMS Priority List.</b></p>				
Part III.A.5	<p>Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit</p> <p>Report the applicable facilities and the number of the inspections conducted for each facility.</p>				
	<p>Name of Facility</p>	Number of Inspections			
	None	0	SOP	PW	No Facility
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<p>Strengths: N/A</p> <p>Limitations: None</p> <p><b>SWMP revisions implemented to address limitations: None</b></p>				
Part III.A.6	<p>Pesticides, Herbicides, and Fertilizer Application</p> <p>Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed.</p> <p>Report the number of permittee personnel who have been trained through the Green Industry BMP Program and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.</p>				
	<p><b>PERSONNEL: FDACS public applicators of pesticides/herbicides</b></p> <p>0</p> <p>PHF SOP</p> <p>PW</p> <p>No Application</p> <p><b>CONTRACTORS: FDACS commercial applicators of pesticides/herbicides</b></p> <p>0</p> <p>PHF SOP</p> <p>PW</p> <p>No Application</p> <p><b>PERSONNEL: Green Industry BMP Program training completed</b></p> <p>0</p> <p>PHF SOP</p> <p>PW</p> <p>No Application</p> <p><b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b></p> <p>0</p> <p>PHF SOP</p> <p>PW</p> <p>No Application</p> <p>Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.</p>				
	<p><b>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b></p>	Year 2, Cycle 3	ORD No. 09-2013	South Bay	Refer to Group's Website
	<p>Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).</p>				
	<p><b>Public Education and Outreach Program</b></p>				
	<p>Public displays (e.g., kiosks, storyboards, posters, etc.)</p> <p>Number of visitors to stormwater-related pages</p>	1	Display at City Hall	Comm Dev	
		50	Research	Comm Dev	

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.6 Summary	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> Limitations: None SWMP revisions implemented to address limitations: None				
Part III.A.7.a	Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures Report amendments in Year 4.				
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the number and type of enforcement actions taken.	<input type="checkbox"/>	Commission Minutes	PW	No Changes
	<b>Proactive inspections for suspected illicit discharges</b> Illicit discharges found during a proactive inspection NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	1	Inspection Form	PW	Inspect whenever structural inspection in done
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>Reactive investigations of reports of suspected illicit discharges etc.</b> Reports of suspected illicit discharges received	0	Complaint log Inspection Report	PW	None
	Illicit discharges etc. found during reactive investigation NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Inspection Report	PW	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.					
	Personnel trained	1	Sign-In Sheet	PBC Steering Committee	6/05/19
	Contractors trained	0	Sign-in Sheet	PBC Steering Committee	
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response Report on the spill prevention and response activities, including the number of spills addressed.	0	PBC Fire	PBC Fire Depart.	



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.7.e	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.		Incident Report				
				<b>Personnel trained</b>	Sign-In Sheet	PBC Steering Committee	6/05/19
				<b>Contractors trained</b>	Sign-In Sheet	PBC Steering committee	
Part III.A.7.f	Public Education and Outreach Program  Public displays (e.g., kiosks, storyboards, posters, etc.)						
				<b>Brochures/Flyers/Fact sheets distributed</b>	Broc/Flyers	PBC/SWA	Illicit dumping flyers
				<b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b>	Display at City Hall	Comm Dev Dept	
Part III.A.7.g	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).  <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>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 MSA.	Owner of the sanitary sewer system		
	Activity to reduce/eliminate SSOs and I&I: (description)	0	I&I Monthly Activity Report	PBC Water Utilities	No Activity done this period		
				Activity to reduce/eliminate SSOs and I&I: (description)	I&I Monthly Activity Report	PBC Water Utilities	
				SSO incidents discovered	I&I Monthly Activity Report	PBC Water Utilities	

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
	SSO incidents resolved	0	I&I Monthly Activity Report	PBC Water Utilities	
		0	I&I Monthly Activity Report	PBC Water Utilities	
		0	I&I Monthly Activity Report	PBC Water Utilities	
<b>Part III.A.7</b> <b>Summary</b>  <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>	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>Part III.A.8.a</b>  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	Florida.dep.gov/ waste permitting websites
<b>Part III.A.8.b</b>  Industrial and High-Risk Runoff — Monitoring for High Risk Industries  Report the number of high risk facilities sampled.	Hazardous waste treatment, storage, disposal and recovery (HWT/SOR) facilities  EPCRA Title III, Section 313 facilities (TRI)  Facilities determined as high risk by the permittee	0	0	environ.epa.gov website	PW
		0	0	Illicit Program	PW
	High risk facilities sampled	0	SOP	PW	

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.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.  Strengths: N/A Limitations: N/A SWMP revisions implemented to address limitations: N/A				
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices  Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.				
	PERMITTEE SITES: Construction site plans reviewed PERMITTEE SITES: Construction site plans approved PRIVATE SITES: Construction site plans reviewed PRIVATE SITES: Construction site plans approved	0 0 0 0	Planning Dept Planning Dept Planning Dept Planning Dept	Planning Dept Planning Dept Planning Dept Planning Dept	Palm Beach County
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
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.				
	Notified of ERP stormwater permit requirements Confirmed ERP coverage Notified of CGP stormwater permit requirements Confirmed CGP coverage	0 0 0 0	Letter SFWMID website Letter DEP website	Comm Dev Dept Comm Dev Dept Comm Dev Dept Comm Dev Dept	
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).				
	PERMITTEE SITES: Active construction sites Pre, During, and Post Inspections of active construction sites for EGS and waste control BMPs PERMITTEE SITES: Percentage of active construction sites inspected PRIVATE SITES: Active construction sites Pre, During, and Post Inspections of active construction sites for EGS and waste control BMPs PRIVATE SITES: Percentage of active construction sites inspected Enforcement Action	1 3 100% 1 6 100% 0	Inspection Form Inspection Form Inspection Form Inspection Form Inspection Form Inspection Forms Inspection data	Comm Dev Dept Comm Dev Dept Comm Dev Dept Comm Dev Dept Comm Dev Dept Comm Dev Dept Code Enforcement	Gov Project
	DEEP Certification	Annual Training			





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

# Water Quality Monitoring Report (YR4)

## 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 dissolved oxygen with nutrients as a causative pollutant by FDEP on Cycle 1 Assessment in 2002.
  
- 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 four years station 43 Annual Geometric Mean Values (AGM) were 5.2 ug/l, 8.2 ug/l, 8.16 ug/l and 7.97 ug/l, all below the State 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 4 Joint Report. Station 39 shows a decreasing trend for Total Nitrogen , Total Phosphorus, and Chlorophyll-a.



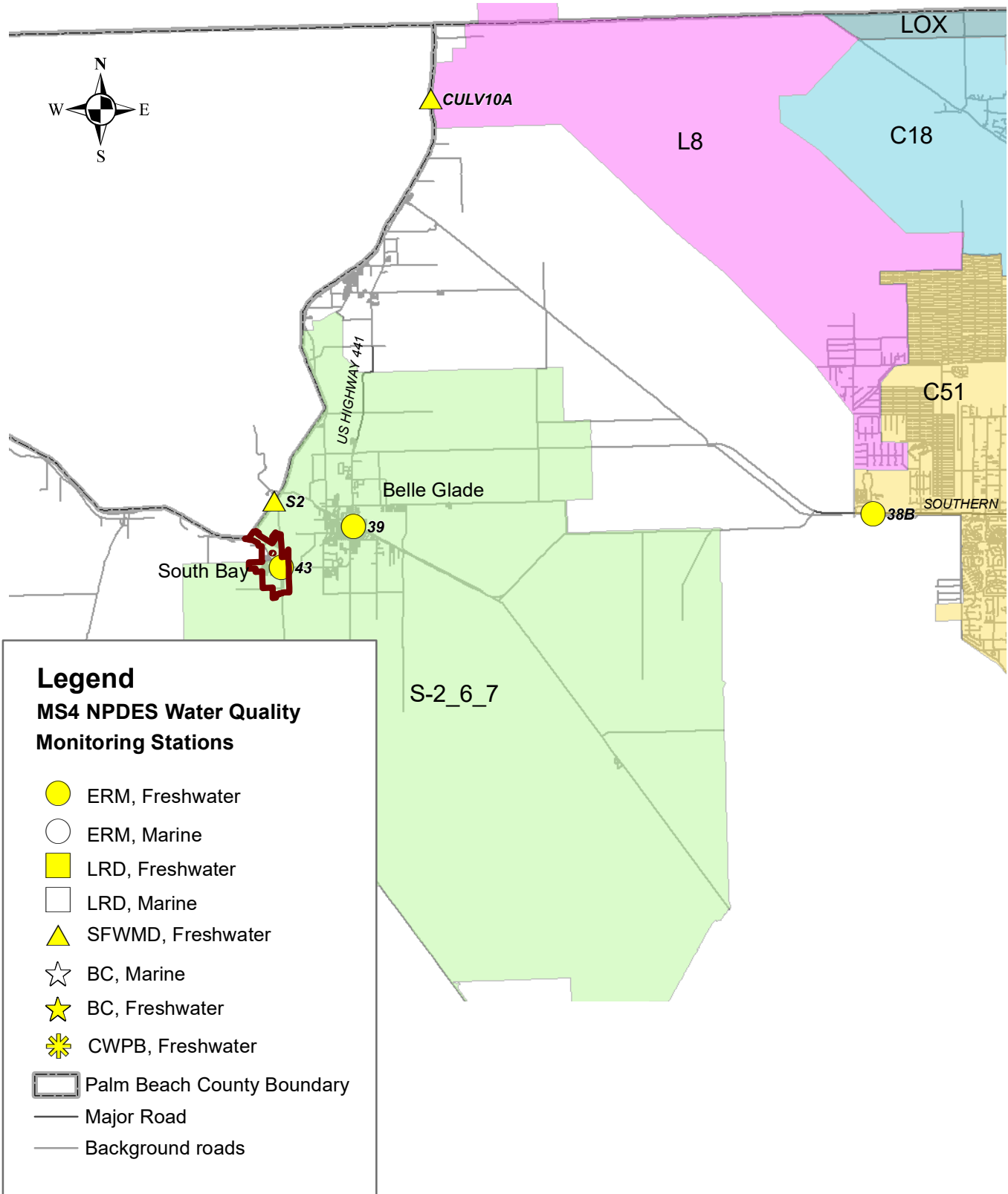
South Bay’s pollutant loadings estimate (Cycle 3 and Cycle 4) for six required water quality parameters is reported in Appendix B of the Palm Beach County Groups Cycle 4 Year 3 Joint Report (Summary of Average Annual Pollutant Loading Model Activities). South Bay data is on page 34 in Table 21 and is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



**Legend**  
**MS4 NPDES Water Quality Monitoring Stations**

- ERM, Freshwater
- ERM, Marine
- LRD, Freshwater
- LRD, Marine
- SFWMD, Freshwater
- BC, Marine
- BC, Freshwater
- CWPB, Freshwater
- Palm Beach County Boundary
- Major Road
- Background roads

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