



**CITY OF GREENACRES**  
*Palm Beach County, Florida*

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**4<sup>TH</sup>  
CYCLE**

**PALM BEACH COUNTY  
NPDES  
PERMIT No. FLS000018**

**MUNICIPAL SEPARATE STORM SEWER  
SYSTEM**

**3RD  
YEAR  
REPORT**

**OCTOBER 1, 2018  
TO  
SEPTEMBER 30, 2019**

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*Public Works  
Department*

*5750 Melaleuca Lane  
Greenacres, Florida 33463  
Phone: 561-642-2074 Fax: 561-642-2094  
E-mail: ccedeno@greenacresfl.gov*



# 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 Greenacres		
<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): 10 / 2018 through 09 / 2019		
<b>F.</b>	Name of the Responsible Authority: Carlos Cedeño		
	Title: Public Works Director		
	Mailing Address: 5750 Melaleuca Lane		
	City: Greenacres	Zip Code: 33463	County: Palm Beach
	Telephone Number: 561-642-2074		Fax Number: 561-642-2094
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Michael Grimm		
	Title: Building Director/Chief Building Official		
	Department: Building Department		
	Mailing Address: 5800 Melaleuca Lane		
	City: Greenacres	Zip Code: 33463	County: Palm Beach
	Telephone Number: 561-642-2061		Fax Number: 561-642-2049
E-mail Address: mgrimm@greenacresfl.gov			

**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 checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable)
<b>B.</b>	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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. <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: Group monitoring plan submitted September 8, 2016 (with issuance of the Cycle 4 permit). Status: <i>The Group Monitoring Plan was approved on September 8, 2016 (with issuance of the Cycle 4 permit)</i> Status: <i>The monitoring program is carried out jointly by PBC permittees. See the PBC Joint Annual Report. The information relevant to the permittee's outfalls is addressed within the Annual Assessment Report documents provided in Appendix A.</i></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><i>See attached Appendix A: Annual Assessment Report.</i></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><i>See attached Appendix A: Annual Assessment Report.</i></p>

**SECTION IV. FISCAL ANALYSIS**

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$1,313,839.36
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$3,561,805.00
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	
<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 checked="" type="checkbox"/>	<input type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	See Joint Annual Report and Attached water quality assessment report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> <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): Carlos Cedeño

Title: Public Works Director

Signature:  Date: 03/10/2020





**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	Documentati on / Record	Entity Performing the Activity	Comments
Part III.A.1	<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>									
Type of Structure		Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
Dry retention systems		11	132	100	188	100	Employee daily worksheets	Public Works Department: Roads & Drainage Division and Parks Division	<ul style="list-style-type: none"> <li>Ramblewood Retention Pond (9 maintenance activities), Harwich Ct Retention Pond (8 maintenance activities), PBSO 16/FR94 Retention Pond (17 maintenance activities), Original Section Alleyways (7 total) (125 maintenance activities), Municipal Complex Retention Ponds (2) (29 maintenance activities),</li> </ul>

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A.	B.					C.		D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed		Documentati on / Record	Entity Performing the Activity	Comments
	Underdrain filter systems	0	0	0	0	0				
	Exfiltration trench / French drains (lf)	0	0	0	0	0				
	Grass treatment swales (miles)	0.82	180	100	180	100	Employee daily worksheets	Public Works Department Roads & Drainage Division	<ul style="list-style-type: none"> <li>• Empire Way, west side of road Centurian Way to south side of Gladiator Lake, (66 inspections)</li> <li>• Centurian Way 0.12 mile (57 inspections)</li> <li>• Dodd Rd (Jog Rd to Woodlake Blvd, north side of road)-0.36 mile (57 inspections)</li> </ul>	
	Detention with filtration systems	0	0	0	0	0				
	Alum Injection systems	0	0	0	0	0				
	Pollution control boxes	0	0	0	0	0				
	pump stations	0	0	0	0	0				
	Major outfalls	11	11	100	11	100	Employee daily worksheets and storm sewer repair and maintenance inspection tracking log found at x drive: <a href="#">2019 Stormwater Inspections.xl sx</a>	Public Works Department Roads & Drainage Division		
	Weirs or other control structures	14	14	100	0	100	Employee daily	Public Works Department		

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A.	B.					C.		D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed		Documentati on / Record	Entity Performing the Activity	Comments
	pipes / culverts (miles)							worksheets and storm sewer repair and maintenance inspection tracking log found at x drive: <u>2019 Stormwater Inspections</u>	Roads & Drainage Division	
		675'	0	0	0	0		Employee daily worksheets and storm sewer repair and maintenance inspection tracking log found at x drive: <u>2019 Stormwater Inspection with Additions.xlsx</u>	Public Works Department Roads & Drainage Division	Required to be inspected by LWDD in FY 21
	Canals							Employee daily worksheets and storm sewer repair and maintenance inspection tracking log found at x drive: <u>2019 Stormwater Inspections</u>	Public Works Department Roads & Drainage Division	Roads & Drainage staff and DOC Work squad
	Inlets / catch basins / grates	496	496	100	181	37%		Employee daily worksheets and storm	Public Works Department Roads & Drainage	Maintenance activities performed in-house



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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed		Documentati on / Record	Entity Performing the Activity	Comments	
	Ditches / conveyance swales (miles)								sewer repair and maintenance inspection tracking log found at x drive: 2019 <u>Stormwater Inspection</u>	Division, Shenandoah Construction Company	
						6.07	330	100	330	100%	Employee daily worksheets and storm sewer repair and maintenance inspection tracking log found at x drive: 2019 <u>Stormwater Inspections</u>
	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"/>					

**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	Documentati on / 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.				
	<b>Strengths: Proactively schedule inspections and repairs</b>				
	<b>Limitations: Labor resources and capital funding</b>				
	<b>SWMP revisions implemented to address limitations: Staff members added to the code enforcement and Planning &amp; Engineering Dept. to monitor residential and commercial construction.</b>				
Part III.A.2	<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>	4	New World	Building Dept.	
	<b>Number of significant development projects approved</b>	4	New World	Building 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.				
	<b>Year 2 ONLY: Attach the summary report of the review activity</b>	<input type="checkbox"/>			
<b>Year 4 ONLY: Attach the follow-up report on plan implementation</b>	<input type="checkbox"/>				
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths: Strong documentation, training and implementation of program.</b>				
	<b>Limitations: Follow through from other Depts.</b>				
Part III.A.3	<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>	52 times	Employee daily worksheets and DOC tracking log found at X:\DOC	Roads & Drainage Staff	Performed weekly
	<b>PERMITTEE Litter Control: Estimated amount of area maintained (If</b>	180.2 acres	Employee daily worksheets and DOC tracking log found at X:\DOC	Roads & Drainage Staff	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentati on / Record	Entity Performing the Activity	Comments
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	12,060 lbs.	Employee daily worksheets and DOC tracking log found at X:\DOC	Roads & Drainage Staff	402 bags
	CONTRACTOR Litter Control: Frequency of litter collection	186 days	Employee daily worksheets and DOC tracking log found at X:\DOC	Parks Maint Staff and DOC Work Squad	
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	180.	Employee daily worksheets and DOC tracking log found at X:\DOC	Parks Maintenance Staff and DOC Work Squad	
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	105,060 lbs.	Employee daily worksheets and DOC tracking log found at X:\DOC	Parks Maintenance Staff and DOC Work Squad	3,502 bags
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	3 Miles	X:\Office of Director\Public Works Director\NPD ES Project Management\GAC 2019 SITE REPORT		Great American Cleanup

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentati on / Record	Entity Performing the Activity	Comments
	Trash Pick-up Events: Estimated amount of litter collected (cy)	1,800 lbs.	X:\Office of Director\Publi c Works Director\NPD ES Project Management\ GAC 2019 SITE REPORT		Great American Cleanup
	Adopt-A-Road: Total miles cleaned	0	None	None within Greenacres	
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	None	None within Greenacres	
	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			
	Total miles swept	0		Palm Beach County	
	Estimated quantity of sweeping material collected (cy / tons)	0		Palm Beach County	
	Total phosphorous loadings removed (pounds)	0		Palm Beach County	
	Total nitrogen loadings removed (pounds)	0		Palm Beach County	
	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			
	Public Work Maintenance Facility	24	Log book in Vehicle Maintenance Supervisor's office	Vehicle Maintenance Staff	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentati on / 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:</b>				
	<b>Limitations:</b>				
	<b>SWMP revisions implemented to address limitations:</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.				
	Flood control projects completed during the reporting period	4	Various Purchase Orders	Contractors	FY 19 CIP 304- 152 and 305- 106
	Flood control projects completed that did <u>not</u> include stormwater treatment	0	None	None	
	Stormwater retrofit projects planned/under construction	0	None	None	
	Stormwater retrofit projects completed	0	Purchase Orders	Contractors	
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: Program is proactively address flooding issues</b>				
	<b>Limitations: Pollution reduction</b>				
	<b>SWMP revisions implemented to address limitations: Proactively looking for green, reduction methods</b>				



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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>			
	None				
	None				
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths:</b>				
	<b>Limitations:</b>				
	<b>SWMP revisions implemented to address limitations:</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.				
	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>	11	Located in personnel records in City's Laserfiche System	Florida Dept. of Agriculture	
	<b>CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides</b>	2	Located in Public Works' Contractor Files	Gulfstream Termite and Environmental Services, LLC and Aquagenix	License numbers on file
	<b>PERSONNEL: Green Industry BMP Program training completed</b>	27	Located in personnel records in City's Laserfiche System	Xcal Videos	Includes Public Works and Building Dept. Staff
	<b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b>	2	Located in Public Works' Contractor Files	Gulfstream Termite and Environmental Services, LLC and Aquagenix	License numbers on file
	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.				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentati on / Record	Entity Performing the Activity	Comments
	<b>Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b>	<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).				
	<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>	175	Building Department counter monthly brochure log	Building Department	Hand written log noted on the first of the month Permit tech counts the number of brochures taken from the display and enters into log.
	<b>Neighborhood presentations: Number conducted</b>	1	ICC Site report	Building Department	Original section during ICC Cleanup
	<b>Neighborhood presentations: Number of participants</b>	65	ICC Site report	Building Department	Original section during ICC Cleanup
	<b>Newspapers &amp; newsletters: Number of articles/notices published</b>	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	<b>Newsletters: Number of newsletters distributed</b>	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	<b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b>	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	<b>Radio or television Public Service Announcements (PSAs)</b>	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	<b>School presentations: Number conducted</b>	0	Log kept in NPDES file	Building Dept.	None

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	School presentations: Number of participants	0	cabinet at Building Dept. Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	Seminars/Workshops: Number conducted	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	Seminars/Workshops: Number of participants	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	None
	Special events: Number conducted	1	ICC Cleanup	Building Department	Clean up 9/15/18
	Special events: Number of participants	65	ICC Cleanup	Building Department	9/15/18
	Number of visitors to stormwater-related pages	0	Log kept in NPDES file cabinet at Building Dept.	Building Dept.	The City currently does not have a counter on the webpage.
Par. III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	<b>Strengths: Capitalize on opportunities when they arise</b>				
	<b>Limitations: Labor resources</b>				
	<b>SWMP revisions implemented to address limitations: Proactively search for additional opportunities</b>				
Part III.A.7.a	<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"/>			
Part III.A.7.c	<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>	105	Scanned in LF under NPDES FY 2019	Building Department	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentati on / Record	Entity Performing the Activity	Comments
	<p align="center"><b>Illicit discharges found during a proactive inspection</b></p> <p align="center"><b>NOV/WL/citation/fines issued for illicit discharges found during proactive inspection</b></p>	1	Violation corrected same day	Building Department	
		0	Violation corrected same day no citation issued	Building Department	
	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.				
	<p align="center"><b>Reports of suspected illicit discharges received</b></p>	2	Code Enforcement Module and scanned into LF by address	Building Dept.	
	<p align="center"><b>Reactive investigations of reports of suspected illicit discharges etc.</b></p>	2	Code Enforcement Module and scanned into LF by address	Building Dept.	
	<p align="center"><b>Illicit discharges etc. found during reactive investigation</b></p>	2	Code Enforcement Module and scanned into LF by address	Building Dept.	
	<p align="center"><b>NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation</b></p>	2	Code Enforcement Module and scanned into LF by address	Building Dept.	
	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.				



**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	Documentati on / Record	Entity Performing the Activity	Comments
	Personnel trained	11	Building Department Staff 2 SW Management inspector training all others inhouse training	Building Dept.	
	Contractors trained	0	None	none	
<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>	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	3	Scanned in Laserfiche under NPDES FY 2018	Building Dept	
	Contractors trained	0			
<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>	65	Building Department counter monthly brochure log	Building Department	
	<b>Neighborhood presentations: Number conducted</b>	1	ICC Cleanup 9/15/18		Original Section during ICC Cleanup



**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	Documentati on / Record	Entity Performing the Activity	Comments
	Neighborhood presentations: Number of participants	28	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	Newspapers & newsletters: Number of articles/notices published	0	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	Newsletters: Number of newsletters distributed	183	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1	In City Hall	Building Department	
	Radio or television Public Service Announcements (PSAs)	0	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	School presentations: Number conducted	0	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	School presentations: Number of participants	0	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	Seminars/Workshops: Number conducted	0	Log kept in NPDES file cabinet at Building Dept	Building Dept.	
	Seminars/Workshops: Number of participants	0	Log kept in NPDES file cabinet at Building Dept	Building Dept	
	Special events: Number conducted	0	Log kept in NPDES file cabinet at Building Dept	Building Dept	
	Special events: Number of participants	0	Log kept in NPDES file cabinet at Building Dept	Building Dept	

**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	Documentati on / Record	Entity Performing the Activity	Comments
	Number of visitors to stormwater-related pages	0	Log kept in NPDES file cabinet at Building Dept	Building 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.			
	Brochures/Flyers/Fact sheets distributed	65			
	Neighborhood presentations: Number conducted	1			
	Neighborhood presentations: Number of participants				
	Newspapers & newsletters: Number of articles/notices published				
	Newsletters: Number of newsletters distributed				
	Public displays (e.g., kiosks, storyboards, posters, etc.)				
	Radio or television Public Service Announcements (PSAs)				
	School presentations: Number conducted				
	School presentations: Number of participants				
	Seminars/Workshops: Number conducted				
	Seminars/Workshops: Number of participants				
	Special events: Number conducted	1			
	Special events: Number of participants	65			
	Storm sewer inlets newly marked/replaced				
	Number of visitors to stormwater-related pages				
<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			
	Activity to reduce/eliminate SSOs and I&I: (description)				
	Activity to reduce/eliminate SSOs and I&I: (description)	0	See PBC	PBC	
	SSO incidents discovered	0	See PBC	PBC	
	SSO incidents resolved	0	See PBC	PBC	
	Inflow / infiltration incidents discovered	0	See PBC	PBC	
	Inflow / infiltration incidents resolved	0	See PBC	PBC	

**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	Documentati on / Record	Entity Performing the Activity	Comments	
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:					
	Limitations:					
	SWMP Revisions implemented to address limitations:					
Part III.A.8.a	<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.					
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions		
	Operating municipal landfills	0	None	None		
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	None	None		
	EPCRA Title III, Section 313 facilities (TRI) Facilities determined as high risk by the permittee	0	None	None		
Part III.A.8.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	None	None		
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:					
Part III.A.9.a	<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	Scanned in Laserfiche under NPDES FY 2019	Building Dept		

**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	Documentati on / Record	Entity Performing the Activity	Comments
	PERMITTEE SITES: Construction site plans approved	0	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	PRIVATE SITES: Construction site plans reviewed	2	Permit SW2018-2081 & SW2019-0443	Building Dept	
	PRIVATE SITES: Construction site plans approved	2	Permit SW2018-2081 & SW2019-0443	Building Dept	
	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	1	Building Department New world System reporting	Planning & Engineering Dept.	Scanned in Laserfiche under NPDES FY 2019
	Confirmed ERP coverage	1	Building Department New world System reporting	Planning & Engineering Dept	Scanned in Laserfiche under NPDES FY 2019
	Notified of CGP stormwater permit requirements	1	Building Department New world System reporting	Building Dept	Scanned in Laserfiche under NPDES FY 2019
	Confirmed CGP coverage	1	Building Department New world System reporting	Building Dept	Scanned in Laserfiche under NPDES FY 2019
Part III.A.9.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.				



**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	Documentati on / Record	Entity Performing the Activity	Comments
	PERMITTEE SITES: Active construction sites	0	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	PERMITTEE SITES: Percentage of active construction sites inspected	0	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	PRIVATE SITES: Active construction sites	6	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	15	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	PRIVATE SITES: Percentage of active construction sites inspected	100%	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
	Enforcement Action	0	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
Part III.A.9.c	<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).				
		DEP Certification	Annual Training		
	Permittee construction site inspectors	2	11	Scanned in Laserfiche	Building Dept



**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	Documentati on / Record	Entity Performing the Activity	Comments
				under NPDES FY 2018		
	Permittee construction site plan reviewers		2	Scanned in Laserfiche under NPDES FY 2019	Planning & Engineering Dept	
	Permittee construction site operators		0	Scanned in Laserfiche under NPDES FY 2019	Building Dept	
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	<b>Strengths: Pro-active in the permitting process</b>					
	<b>Limitations: Labor shortage</b>					
	<b>SWMP revisions implemented to address limitations: Considering re-structuring of Dept. to meet needs.</b>					

**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.
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)

**SECTION IX. TMDL Status Report**

YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.

A.	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
				<input type="checkbox"/> / <input type="checkbox"/>		1	(Year 3 AR)	(Year 4 AR; N/A if BPCP)	
				<input type="checkbox"/> / <input type="checkbox"/>					
				<input type="checkbox"/> / <input type="checkbox"/>					

YEAR 3 and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented.

Year 3: Submit a Monitoring data summary or BPCP (if applicable).

Year 4: Submit a Supplemental SWMP (if applicable).

B.	WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date
			(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):





# City of Greenacres

**MS4 Permit No. FLS000018-004**  
**Part V. Monitoring Requirements**  
**Sub Part A. Assessment Report**

## Assessment Program Objective

The purpose of this assessment program is to provide information for the City of Greenacres to determine the overall effectiveness of its Stormwater Management Program (SWMP) in reducing stormwater pollutant loadings from its Municipal Separate Storm Sewer System (MS4) to receiving water bodies.

## Assessment Program Components

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

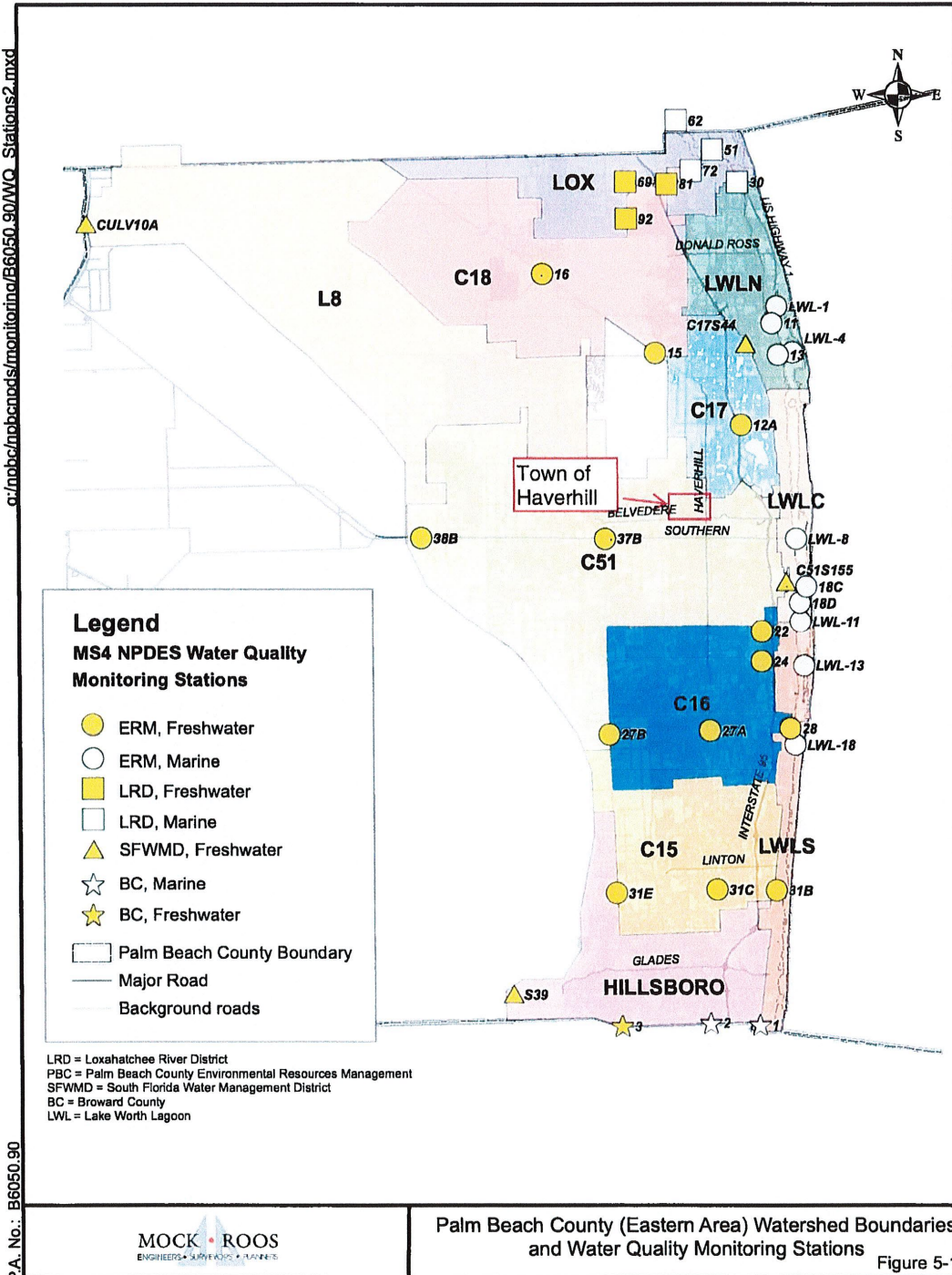
- A. A Water Quality Monitoring Plan – The water quality-monitoring plan is intended to identify local sources where urban stormwater is adversely affecting surface water resources
- B. A Pollutant Loading Estimate Plan – The pollutant loading exercise is to estimate the Pollutant Loading from the MS4 contributing area, based on land uses and BMPs
- C. An Evaluation and Response Plan – The response plan is the plan of action to be taken based on the results from A. and B. and will be used to:
  - 1. Evaluate trends in pollutants loading from the MS4
  - 2. Evaluate trends in water quality (of discharge from the MS4)
  - 3. Identify portions of the MS4 to be targeted for loading reduction/corrective action



## Part A – Water Quality Monitoring Plan

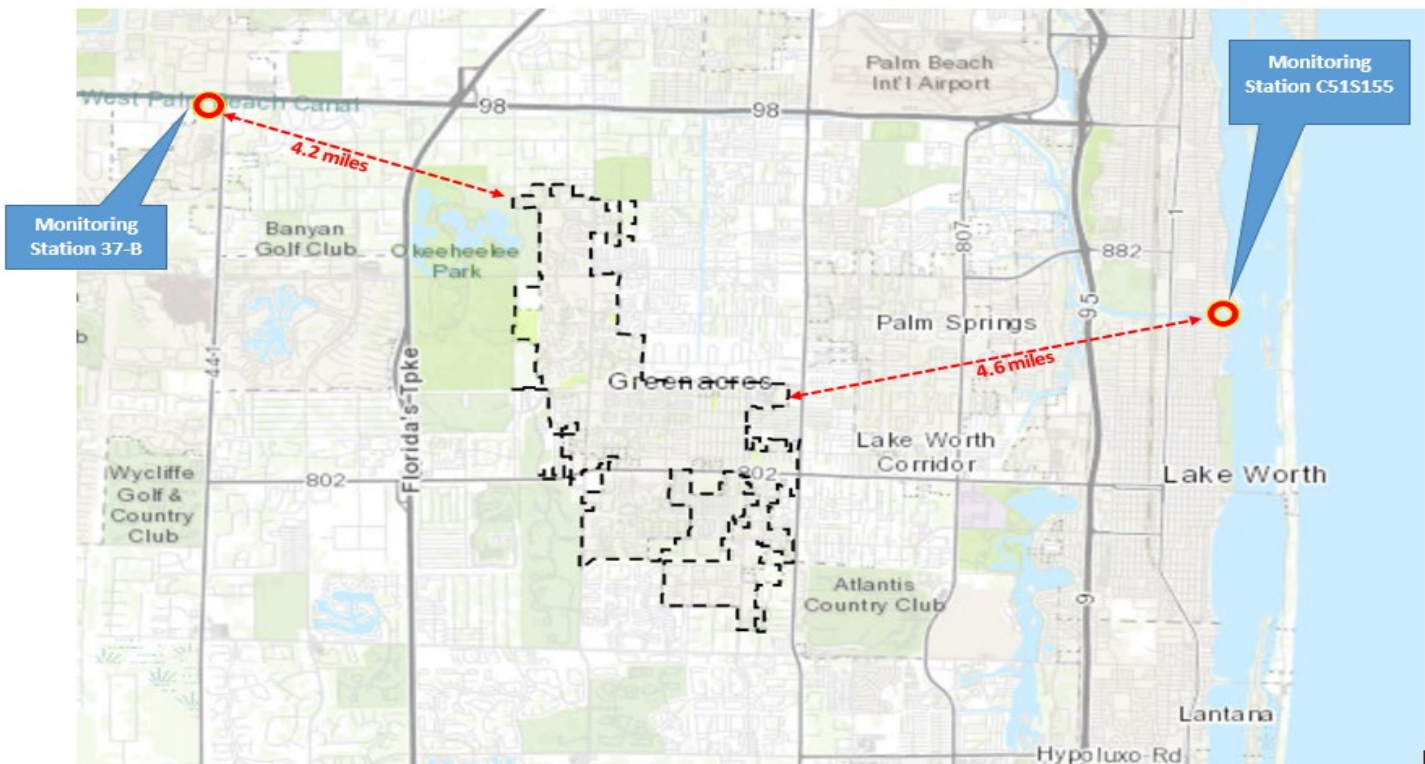
As a co-permittee, the City of Greenacres uses the ambient water quality data obtained through the Palm Beach County NPDES program, where the Northern Palm Beach County Improvement District is the Lead Permittee.

The City of Greenacres relies on the water quality data as collected by the Palm Beach County NPDES Co-Permittee Joint Water Quality Monitoring Program. For reference, the map below of the Palm Beach County identifies monitoring station locations for the C-16 and the C-51 Basin.



Based on the location of the outfalls of our MS4, two (2) monitoring station have been established. The following table identifies these monitoring stations, along with relevant information about the location. More specifically, Station 37B is located upstream approximately 4.2 miles north west of the City of Greenacres at the intersection of SR 7 and Southern Boulevard (SR 80). Station C51S155 is located east of Dixie Highway at the discharge point into Lake Worth (Intracoastal Waterway) approximately 4.6 miles east of the City of Greenacres.

Monitoring Station Number	Location/Description	Lat./Long.	Receiving Water Body	Verified Impaired?	Adopted TMDL?
37-B	C-16 Basin	853637021/ 916592.84	C-51 Canal	No	No
C51S155	C-51 Canal Basin	841132.85/ 964349.43	C-51 Canal	No	No



### Sampling Method

Information on the sampling, frequency and monitoring parameters is contained in the group Joint Annual Report (refer to [www.pbc-npdes.org](http://www.pbc-npdes.org) under Annual Reporting). The Palm Beach County MS4 permittee group will be developing pollutant loading estimates during the 3<sup>rd</sup> year of this permit cycle, using the SIMPLE protocol. In order to provide each permittee with pollutant loading estimates that reflect their respective MS4 areas, the group effort will provide the loading estimates “by MS4,” in addition to “by watershed” (as was done in past permit cycles). During Year 3, the City of Greenacres

participated in this effort by reviewing its MS4 contributing areas and providing updated information on its boundary, septic areas and the land uses located therein. Any stormwater quality best management practices (BMPs) that are in place within the MS4 area, were identified, along with their geospatial extent. The group's estimated pollutant loading results will be provided to each permittee for use in this assessment effort. To determine a practical estimate of the current pollutant loading, the City of Greenacres will use the land use based pollutant loading estimates provided by the group as the starting point from which pollutant load reductions will be subtracted.

The pollutant load reductions will be estimated based on the BMPs that have been put in place within the MS4 contributing areas. In this way, when future estimates are done, and potentially additional reduction measures (such as public education, litter control, etc.) are put in place, the estimated pollutant loading will reflect the reductions.

### Part B: Pollutant Loading Estimates

The City of Greenacres reviewed the water quality data in the C-16 and the C-51 East Basins to identify notable nutrient water quality and perform an assessment comparison with applicable water quality standards. The Palm Beach County MS4 permittee group developed pollutant loading estimates during the 3<sup>rd</sup> year of this permit cycle, using the SIMPLE protocol. The group provided each permittee with pollutant loading estimates that reflect their respective MS4 area. The group's estimated pollutant loading results, based on land use and BMP's, was provided to each permittee for use in this assessment effort. The results are summarized in the table below. Also included is a 6% reduction for public education as allowed by FDEP for non-structural BMPs. The Palm Beach County MS4 Group conducts public outreach programs throughout the year.

City of Greenacres Pollutant Loads C-16 Watershed (lbs/yr)						
	BOD <sub>5</sub>	TSS	TP	CU	ZN	TN
2013	7,065	35,477	339	17	77	3,477
2018	7,068	35,496	339	17	77	3,478
6 % Reduction allowance	6,644	33,366	319	16	74	3,269
Total Reduction	5.96%	5.95%	5.90%	5.88%	3.90%	5.98%

City of Greenacres Pollutant Loads C-51 Watershed (lbs/yr)						
	BOD <sub>5</sub>	TSS	TP	CU	ZN	TN
2013	20,134	107,137	1,253	50	226	21,637
2018	20,140	107,180	1,254	50	226	21,639
6 % Reduction allowance	18,932	100,749	1,179	47	212	20,341
Total Reduction	5.97%	5.96%	5.91%	6.00%	6.19%	5.99%

The pollutant loading estimates indicate that there have been minimal changes in the pollutant loadings over the past two permit cycles. The City of Greenacres' estimated pollutant loads make up only 0.36% of the MS4 total load within the C-16 Watershed and 0.43% of the MS4 total load within the C-51 Watershed;

this represents 16.52% of the total C-16 basin and 48.51% of the total C-51 basin loads. Therefore, the majority of the pollutant loading appears to be from non-MS4 sources (see group report).

### ***Part C – Evaluation and Response Plan***

The City of Greenacres has utilized data based on the sample results compiled for the Joint Annual Report. This first annual Water Quality Assessment report was prepared concurrent with the Year 3 Annual Report Form (March 2020). The pollutant loading estimates developed during Year 3 of the permit cycle have been reviewed and compared with the previous permit cycle, with respect to our MS4. In addition, water trending reports/graphs for various parameters, as presented in the Joint Annual Report, were reviewed and summarized.

### ***Part D – Assessment of water quality data and pollutant loading comparison***

Based on the data from the water quality monitoring and pollutant loading estimates, there was a minor decrease in the amount of nutrients attributed to the City of Greenacres. Based on the evaluation herein, it can be concluded that City's Stormwater Management Programs (litter control, public education, Fertilizer Ordinance etc.) are appropriate. Based on the assessment, a determination of the effectiveness of the of the City's program and whether there is no need to implement additional pollutant reduction measures. The City will continual to pursue reduction improvements as needed. .



