

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 (<u>http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm</u>). Files larger than 10MB may be placed on the FTP site at: <u>ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/</u>. 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

SECT	ION I. BACKGROUND INFORMATION			
Α.	Permittee Name: City of Riviera Beach			
В.	Permit Name: Palm Beach County MS4			
C.	Permit Number: FLS000018-004			
D.	Annual Report Year: Year 1 Year 2	Year 3 X Year	4 🗌 Year 🗄	5 🔲 Other, specify Year:
E.	Reporting Time Period (month/year): 10/01/	19 through 09/30)/20	
	Name of the Responsible Authority: Terranc	e Bailey		
	Title: Public Works Director			
-	Mailing Address: 1451 W. 15th Street			
F.	City: Riviera Beach	Zip Code: 33404	4	County: Palm Beach
	Telephone Number: (561) 845-4066		Fax Number	: Not Applicable (N/A)
	E-mail Address: tbailey@rivierabeach.org			
	Name of the Designated Stormwater Manag Sedrick Clarke	ement Program C	ontact (if differ	rent from Section I.F above):
	Title: Stormwater Manager			
	Department: Public Works			
G.	Mailing Address: 1451 W. 15th Street			
	City: Riviera Beach	Zip Code: 33404	1	County: Palm Beach
	Telephone Number: (561)814-6492		Fax Number	: N/A
	E-mail Address: sclarke@rivierabeach.org			

SECT	ION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)
А.	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?
В.	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?
C.	Is the change in the total number of outfalls due to lands annexed or vacated? 🗌 Yes 🗌 No X Not Applicable

SECT	ION III. PART V.B. ASSESSMENT PROGRAM
	 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> If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement. Name and date of the approved plan: 5/15/18 (via e-mail).
Α.	Status: The monitoring program is carried out jointly by the Palm Beach County (PBC) Co-Permittees. See the PBC Joint Annual Report. The information relevant to the City's MS4 is addressed in the "City of Riviera Beach Water Quality Monitoring Assessment Report' (See Attachment 1).
	Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality
	Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring a and / or stormwater pollutant loading changes from the reporting year. <u>DEP Note:</u> Results must be specific to the permittee's SWMP.
	The information relevant to the City's MS4 is addressed in the 'City of Riviera Beach Water Quality Monitoring Assessment Report' (See Attachment 1).
В.	
	Attack a manifering data summary as required by the normit. An analysis of the data discussing changes in water quality
C.	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> Analysis must be specific to the permittee's SWMP.
	See Attachment 1, the 'City of Riviera Beach Water Quality Monitoring Assessment Report' and the City's C4Y3 Pollutant Loading Report.
SECT	ION IV. FISCAL ANALYSIS
Α.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$ 3,211,300
В.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$ 3,398,343
	Did the current reporting year resources decrease from the previous year? Y N _X
C.	If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP: Not Applicable

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):

<u>ttached</u>	<u>N/A</u>	Required Attachments	Permit Citation	Attachment Number/Title
	х	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	
	х	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
	Х	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	
х		A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	Refer to the Cycle 4 Year 4 Joint Annual Report and Attachment 1 – 'City o Riviera Beach Water Quality Assessment Report'
	Х	YEAR 1 ONLY: An inventory of all known major outfails and a map depicting the location of the major outfails (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
	х	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
	Х	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfail or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	
	Х	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
	Х	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
x		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	Attachment 2 – City of Riviera Beach FY19/2 NPDES Program 'Update to Land Development Regulations'
	х	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	No amendments
	х	 YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. The monitoring plan (with revisions, if applicable). If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate. 	Part V.B.3 Part V.A.3	Refer to the Cycle 4 Year 4 Joint Annual Report
	Х	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	No TMDLs to addres

(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):	Terrence Bailey	
Title: Public Works Director		
Signature:	Date:	3/31/2021
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SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMM	ARY TA	BLE						
Α.	B.				C.		D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Ac	tivity			Numb Activi Perfor	ities	Documentatio n / Record	Entity Performing the Activity	Comments
Part III.A.1	Structural Controls and Stormwater Collection Systems C	peratio	n						
	Report the current known inventory.								
	Report the number of inspection and maintenance activities co total inventory of each type of structure inspected and maintain		for eac	h applica	able type	of struct	ure included in Tal	ble II.A.1.a, and the	percentage of the
	Note: Delete structures that are not in your MS4's inventory. T with the unit of measurement in the documentation. Unit optic						neasurement for ea	ach structural contro	l to be consistent
	Type of Structure	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
	Fufiltration tranch (Franch during (16)							Sedrick Clarke-	
	Exfiltration trench/French drains (If)	150	150	100	0	100	Exfiltration Trench- Structural Control Inspection Form	Department of Public Works (DPW), Stormwater Manager; Jack Horniman, Planning Consultant	Exfiltration trench systems are inspected once every 3 years
	Grass swales (miles)	11	3.7	33	0	100	Grass Swale - Structural Control Inspection Form	Stormwater Manager; Planning Consultant	All 11 miles of grass swales in the MS4 are required to be inspected every 3 years; approximately 1/3, of the total miles was inspected during permit year
	Wet detention systems	1	1	100	0	100	Wet Detention System- Structural Control	Stormwater Manager; Planning Consultant	Wet detention system inspected once every 3 years

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Α.	В.				C		D.	E.	F.
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							Inspection Form		
	Pollution control box/Weir	1	4	100	0	100	Pollution Control Box/Weir- Inspection Form	Stormwater Manager; Planning Consultant	The pollution control box/weir is inspected quarterly during the permit year
	Major outfalls	5	5	100	0	100	Major Stormwater Outfall #1-5- Structural Control Inspection Forms	Stormwater Manager; Planning Consultant	Major outfalls are inspected annually
	Pipes/culverts (miles)	41	4.1	10	0	10	Pipes/Culverts Inspection Form	Stormwater Manager; Planning Consultant	10% of all pipes/culverts are inspected each year
	Conveyance Canals (mi.)	6.43 mi	6.43 mi.	100	77.1 mi.	100	Conveyance Canal)System- Structural Control Inspection Form	Stormwater Manager; Planning Consultant	Conveyance Canals are inspected annually and maintained at least monthly
	Inlets/catch basins/grates	407	41	10	0	10	Inlets/Catch Basins/Grates- Structural Control Inspection Form	Stormwater Manager; Planning Consultant	10% of the inlets/catch basins/grates are to be inspected each year per SOP
	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	See al	pove				All documentation listed above	Stormwater Manager	All minimum inspections met or exceeded

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Α.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantitianie SWMP Activity	Number of Activities Performed	Documentatio n / Record	Entity Performing the Activity	Comments
	actions that will be taken to ensure that they will be met.				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentatio n / Record	Entity Performing the Activity	Comments
	Provide an evaluation of the Stormwater Management Program according to Part V			<u> </u>	
Part III.A.1 Summary	Strengths: The entire stormwater system and stormwater structures are inspected, rain event.	, cleaned and monito	ored at regular inte	rvals, or sooner if th	ere is a significant
	Limitations: Filing system and better documentation of inspections is needed. SWMP revisions implemented to address limitations: Administration/filing syste	m being updated to	a computer-based	system	
Part III.A.2	Areas of New Development and Significant Redevelopment				
	Report the number of significant development projects, including new and redevelop stormwater considerations.	oment, reviewed and	approved by the p	permittee for post-de	velopment
	Number of significant development projects reviewed	3	Site Plan Review Procedures contained in Stormwater Management Plan (SWMP)	Development Services Department staff	
	Number of significant development projects approved	3	Site Plan Review Procedures contained in the SWMP	Development Services Department staff	
	Provide in the Year 2 Annual Report the summary report of the review activity. Prov	vide in the Year 4 An	nual Report the fol	llow-up report on pla	n implementation.
	Year 2 ONLY: Attach the summary report of the review activity	N/A			
	Year 4 ONLY: Attach the follow-up report on plan implementation	1	Attachment 2 – City of Riviera FY 19/20 NPDES Program 'Update to Land	Stormwater Manager; Planning Consultant	

	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE	C.	D.	F	E
A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	D. Documentatio n / Record	E. Entity Performing the Activity	F. Comments
			Regulations'		
	Provide an evaluation of the Stormwater Management Program according to Part VI	.B.2 of the permit.	•		
Part III.A.2 Summary	Strengths: Site plan review procedures and requirements; maintenance of the stor Limitations: None identified.	mwater drainage sy	stem is good.		
	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 es the activities, and an estimate of the quantity of litter collected. Note: If the permittee does not contract activities, delete CONTRACTOR activities.	timate of the total n	umber of road mile	s cleaned or amount	t of area covered b
	PERMITTEE Litter Control: Frequency of litter collection	Daily	Department of Public Works (DPW) Maintenance Schedule	DPW personnel	
	PERMITTEE Litter Control: Estimated amount of area maintained (miles)	8.4 sq. miles	DPW Maintenance Schedule	DPW personnel	
	PERMITTEE Litter Control: Estimated amount of litter collected (tons)	1.8	DPW Maintenance Schedule	DPW personnel	
	CONTRACTOR Litter Control: Frequency of litter collection	0			No contracted services for litte control program
	CONTRACTOR Litter Control: Estimated amount of area maintained (If)	0			No contracted services for litte control program
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0			No contracted services for litte control program
	OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total r collected. If you do not participate in an Adopt-A-Road program, report "0".	number of road mile	s cleaned and an e	estimate of the quant	
	Trash Pick-up Events: Total miles cleaned	0	DPW/ Sign-Up Sheet	DPW/Volunteers	'Keep America Beautiful' program; Annua Beach Clean-Up (None due to Covid)
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	DPW/ Sign-Up Sheet	DPW/Volunteers	'Keep America Beautiful'

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					program; Annual Beach-Up (None due to Covid)
	Adopt-A-Road: Total miles cleaned	0			No 'Adopt-A- Road' program
	Adopt-A-Road: Estimated amount of litter collected (cy)	0			No 'Adopt-A- Road' program
	Report on the street sweeping program, including the frequency of the sweeping, tot total nitrogen and total phosphorus loadings that were removed by the collection of s explanation of why not in column F.				
	Frequency of street sweeping	Daily	DPW Maintenance Schedule	DPW personnel	
	Total miles swept	3164	DPW Maintenance Schedule	DPW personnel	
	Estimated quantity of sweeping material collected (pounds)	24,620	DPW Maintenance Schedule	DPW personnel	
	Total phosphorous loadings removed (pounds)	8	FSA Spreadsheet	DPW personnel	
	Total nitrogen loadings removed (pounds)	16	FSA Spreadsheet	DPW personnel	
	Report the equipment yards and maintenances shops that support road maintenanc	e activities, and the i	number of inspecti	ons conducted for e	ach facility.
	Name of Facility	Number of Inspections			
	Litter and Fueling Facility (1117 Ave. L); and,Street Sweeping Facility at Old Public Works Facility (4357 Easley Drive)	Litter and Fueling - 2; Street Sweeping	DPW Maintenance Schedule	Stormwater Manager	None required this permit year

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	Provide an evaluation of the Stormwater Management Program according to Part VI.	.B.2 of the permit.	•		
Part III.A.3					
Summary	Strengths: Ability to monitor drainage structures with television capabilities and fix	structure damage w	hen warranted		
Caminary	Limitations: Funding, when it comes to complex issues.				
	SWMP revisions implemented to address limitations: Information exchange with	n other municipalities	s with similar storm	water system issues	3.
Part III.A.4	Flood Control Projects				
	include stormwater treatment. The permittee shall provide a list of the projects where	e stormwater treatme	ent was not include	d with an explanation	on for each of why
	include stormwater treatment. The permittee shall provide a list of the projects where was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs.				
	was not. Report on any stormwater retrofit planning activities and the associated implementat				
	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs.	ion of retrofitting pro	jects to reduce sto	rmwater pollutant lo Stormwater	ads from existing
	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs. Flood control projects completed during the reporting period	ion of retrofitting pro	ojects to reduce sto DPW Work Order DPW Work	rmwater pollutant lo Stormwater Manager Stormwater	ads from existing
	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs. Flood control projects completed during the reporting period Flood control projects completed that did <u>not</u> include stormwater treatment	ion of retrofitting pro	DPW Work Order DPW Work OPW Work Order DPW Work	rmwater pollutant lo Stormwater Manager Stormwater Manager Stormwater	ads from existing
	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs. Flood control projects completed during the reporting period Flood control projects completed that did <u>not</u> include stormwater treatment Stormwater retrofit projects planned/under construction	ion of retrofitting pro	DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work	rmwater pollutant lo Stormwater Manager Stormwater Manager Stormwater Manager Stormwater	ads from existing
	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs. Flood control projects completed during the reporting period Flood control projects completed that did <u>not</u> include stormwater treatment Stormwater retrofit projects planned/under construction Stormwater retrofit projects completed If there were projects that did not include stormwater treatment, provide as an	ion of retrofitting pro	DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work	rmwater pollutant lo Stormwater Manager Stormwater Manager Stormwater Manager Stormwater Manager Stormwater Stormwater	ads from existing
Part III.A.4	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs. Flood control projects completed during the reporting period Flood control projects completed that did not include stormwater treatment Stormwater retrofit projects planned/under construction Stormwater retrofit projects completed 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. Provide an evaluation of the Stormwater Management Program according to Part VI.	ion of retrofitting pro	DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work	rmwater pollutant lo Stormwater Manager Stormwater Manager Stormwater Manager Stormwater Manager Stormwater Stormwater	ads from existing
Part III.A.4 Summary	was not. Report on any stormwater retrofit planning activities and the associated implementat drainage systems that do not have treatment BMPs. Flood control projects completed during the reporting period Flood control projects completed that did <u>not</u> include stormwater treatment Stormwater retrofit projects planned/under construction Stormwater retrofit projects completed 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.	ion of retrofitting pro	DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work Order DPW Work	rmwater pollutant lo Stormwater Manager Stormwater Manager Stormwater Manager Stormwater Manager Stormwater Stormwater	ads from existing

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Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit								
	Report the applicable facilities and the number of the inspections conducted for each	h facility.							
	Name of Facility	Number of Inspections							
	None	0	Equipment Yard/Main- tenance Shop Inspection Form	DPW staff	No municipal facilities				
	Provide an evaluation of the Stormwater Management Program according to Part VI	R 2 of the permit							
		·							
Part III.A.5 Summary	Strengths: There are no waste TSD facilities in the City; City wastes are treated, stored and disposed of at the Palm Beach County Solid Waste Authority (PBCSWA) facilities.								
-	Limitations: N/A								
	SWMP revisions implemented to address limitations: N/A								
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application								
	Report the number of permittee personnel applicators and contracted commercial ap								
	Report the number of permittee personnel who have been trained through the Greer applicators of fertilizer who are FDACS certified / licensed.	n Industry BMP Prog	ram and the numb	er of contracted con	nmercial				
	PERSONNEL: FDACS public applicators of herbicides	1	State Licenses	DPW/Oswald Newbold					
	CONTRACTORS: FDACS commercial applicators of herbicides	0	State Licenses	DPW	Not contracted				
	PERSONNEL: Green Industry BMP Program training completed	1	State Licenses	DPW/Oswald Newbold					
	CONTRACTORS: FDACS certified / licensed applicators of pesticides and fertilizers	0	State Licenses	DPW	Not contracted				
	Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provis nutrient-impaired water body, indicate that in Column F.	sion is not applicable	e because the pern	nittee is not within th	ne watershed of a				
	Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance	1	Fertilizer Ordinance (Florida Friendly Landscape Regulations)	City Council	Adopted June 20, 2012; refer to the MS4 website				
	Report on the public education and outreach activities that are performed or sponsor reduce their use of pesticides, herbicides and fertilizers including the type and numb the number of Web site visits (if applicable).								

Permit Citation/ SWMP Element Permit Requirement/Quantifiable SWMP Activity Number of Activities Performed Documentatio n / Record End Performed Public Education and Outreach Program The public outreach and education plan is car Palm Beach County Co-permittees. Please su Joint Annual Report for the public education and Brochures/Flyers/Fact sheets distributed The public outreach and education plan is car Palm Beach County Co-permittees. Please su Joint Annual Report for the public education and Brochures/ Flyers/Door PBC St System PBC 51 Brochures/ Flyers/Door PBC St System PBC	see the Palm É	Beach County
Permit Citation/ SWMP Element Permit Requirement/Quantifiable SWMP Activity Activities Performed Documentatio n / Record Perfor Activities Public Education and Outreach Program The public outreach and education plan is car Palm Beach County Co-permittees. Please so Joint Annual Report for the public education and Documentation Perfor Activities Brochures/Flyers/Fact sheets distributed Brochures/ Flyers/Door PBC Si System PBC 51 Brochures/ Flyers/Door PBC Si System PBC	rming the ctivity rried out as a j see the Palm E and outreach in Stormwater ms Group; CSWA; DEP; rmwater	joint effort by the Beach County
Paim Beach County Co-permittees. Please so Joint Annual Report for the public education a Brochures/Flyers/Fact sheets distributed PBC Si Brochures/ PBC Si System PBC 51 Flyers/Door bangers Fl	see the Palm É and outreach in Stormwater ms Group; CSWA; DEP; rmwater	Beach County
Joint Annual Report for the public education a Brochures/Flyers/Fact sheets distributed PBC St Brochures/ System 51 Flyers/Door PBC PBC Brochures/ Flyers/Door Flyers/Door Flyers/Door Brochures Flyers/Door	and outreach in Stormwater ms Group; CSWA; DEP; rmwater	
Brochures/Flyers/Fact sheets distributed Brochures/ 51 51 Flyers/Door bangers Fl	Stormwater ms Group; CSWA; DEP; rmwater	Information.
51 Brochures/ System 51 Flyers/Door FI bangers FI	ms Group; CSWA; DEP; rmwater	
Ма		
	rmwater anager	
Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.		
Part III.A.6 Strengths: DPW/Stormwater management personnel documents all restricted and non-restricted chemicals used during application Ordinance; good public information system being implemented. Limitations: Filing system SWMP revisions implemented to address limitations: Have commenced a computer based filing system.	on; City has ac	dopted a Fertilizer
Part III.A.7.a Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures		
Report amendments in Year 4.		
Year 4 ONLY: Attach a report on amendments to applicable legal authority 0 City Council Minutes City A	Attorney	No amendments
Part III.A.7.c Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal		
Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit ac and type of enforcement actions taken.	ctivities found,	, and the number
	rmwater	Part III.A.1. – Structural Controls

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			Illicit/Illegal Connection Inspection Forms				
	Illicit discharges found during a proactive inspection	0	Proactive Illicit Discharge/ Illegal Connection/Ins pection Form	Stormwater Manager; DPW and Code Enforcement Personnel	No illicits found		
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	Citation	Code Enforcement	None issued		
	Report on the reactive investigation program as it relates to responding to reports of number of investigations conducted, the number of illicit activities found, and the number of illicit activities found, and the number of illicit activities found.				ts received, the		
	Reports of suspected illicit discharges received 0 DPW/ D Phone Log U				No reports received		
	Reactive investigations of reports of suspected illicit discharges etc.	0	Reactive Inspection Form	DPW/Storm- water Utility	No reports or investigations		
	Illicit discharges etc. found during reactive investigation	0	Reactive Inspection Form	DPW/Storm- Water Utility	None found		
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Citation	Code Enforcement	None issued		
	Report the type of training activities, and the number of permittee personnel and cor	ntractors trained (bot	h in-house and ou	tside training) within	the reporting year.		
	Personnel trained	8	Sign-In Sheet	PBC Steering Committee	March 11, 2020		
	Contractors trained	0	Sign-In Sheet	PBC Steering Committee	No contractors used for these purposes		
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response						
	Report on the spill prevention and response activities, including the number of spills addressed.						
	Hazardous and non-hazardous material spills responded to	0	Spill Log	Fire Department	No spills reported during permit year		
	Report the type of training activities, and the number of permittee personnel and cor	ntractors trained (bot	h in-house and ou	tside training) within	the reporting year.		
	Personnel trained	8	Sign-In Sheet	PBC Steering Committee			
	Contractors trained	0	Sign-In Sheet	PBC Steering Committee	No contractors used by City		

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentatio n / Record	Entity Performing the Activity	Comments			
Part III.A.7.e								
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number or materials distributed, and the number of Web site visits (if applicable).							
	Public Education and Outreach Program	Palm Beach Count	y Co-permittees. I	an is carried out as Please see the Palm ucation and outreacl	Beach County			
	Brochures/Flyers/Fact sheets distributed	51	Brochures/ Flyers/Door hangers	PBC Stormwater Systems Group; PBCSWA; FDEP; DPW/ Stormwatrer Manager				
	Public displays (e.g. kiosks, storyboards, posters, etc.)	8	Display boards	Stormwater Manager				
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazar	dous Waste Contro	bl					
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the prop use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).							
	Public Education and Outreach Program	ach Program The public outreach and education plan is carried out as a joint effort by 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	51	Brochures/ Flyers/Door hangers	PBC Stormwater Systems Group; PBCSWA; FDEP; Stormwater				

Α.	В.	C.	D.	E.	F.		
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentatio n / Record	Entity Performing the Activity	Comments		
	Public displays (e.g. kiosks, storyboards, posters, etc.)	8	Display boards	Manager Stormwater Manager			
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepa	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage					
	Report on the type and number of activities undertaken to reduce or eliminate SSOs found and the number resolved, and the name of the owner of the sanitary sewer sy infiltration incidents into the MS4.						
	Owner of the sanitary sewer system		City of Ri	viera Beach			
	Activity to reduce/eliminate SSOs and I&I: (description)	6	Work Order	Utilities Department staff			
				Utilities			
	SSO incidents discovered	6	Work Order	Department staff			
	SSO incidents resolved	6	Work Order	Utilities Department staff			
	laftern / infiltration incidents discovered	0	Work Order	Utilities			
	Inflow / infiltration incidents discovered	0		Department staff Utilities			

Α.	B.		C.		D.	E.	F.				
ermit Citation/ WMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed		Documentatio n / Record	Entity Performing the Activity	Comments				
	For activities required by Part III.A.7: Provide an evaluation of the Stormwater	Manage	ement Pro	gram ac	cording to Part VI.	3.2 of the permit.	•				
Part III.A.7 Summary	Strengths: No illicit discharges or improper disposal reported during the perr personnel has been performed.	nit year;	public ed	ucation r	naterials (brochure	s, flyers, door hang	ers); training of				
Cannary	Limitations: None identified										
	SWMP Revisions implemented to address limitations: None										
Part III.A.8.a	Industrial and High-Risk Runoff — Identification of Priorities and Proced	lures fo	r Inspecti	ons							
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions							
	Operating municipal landfills	0	0 0 0		0 0	0 0 FDEP Solid Waste website		City Planning Consultant	No City landfills		
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities		0	0	Envirosearch webpage	City Planning Consultant	No City facilitie				
	EPCRA Title III, Section 313 facilities (TRI)	26	26	0	Envirosearch webpage	City Planning Consultant					
	Facilities determined as high risk by the permittee	0	0	0	Illicit program	City Planning Consultant	None determine				
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries										
	Report the number of high risk facilities sampled.										
	High risk facilities sam	pled	0		High Risk Facilities Inspection Forms	Stormwater Manager; City Planning Consultant					
	Provide an evaluation of the Stormwater Management Program according to	Part VI.E	.2 of the	permit.							
Part III.A.8 Summary	Strengths: Identify deficiencies and develop accurate list of high risk facilities. Limitations: 26 high risk facilities identified SWMP revisions implemented to address limitations: Updated high risk facilities identified and reported										
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Struct										
	Report the number of permittee and private pre-construction site plans review					n controls, and the	number approved				
	PERMITTEE SITES: Construction site plans revie	ewed	1		Site Plan Review Procedures	Development Services					

Α.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentatio n / Record	Entity Performing the Activity	Comments
			contained in SWMP; notations on construction plans and/or Construction Plan Report	Department staff	
	PERMITTEE SITES: Construction site plans approved	1	Site Plan Review Procedures contained in SWMP; notations on construction plans and/or Construction Plan Report	Development Services Department staff	
	PRIVATE SITES: Construction site plans reviewed	3	Site Plan Review Procedures contained in SWMP; notations on construction plans and/or Construction Plan Report	Development Services Department staff	
	PRIVATE SITES: Construction site plans approved	3	Site Plan Review Procedures contained in SWMP; notations on construction plans and/or Construction Plan Report	Development Services Department staff	

SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE				
Α.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentatio n / Record	Entity Performing the Activity	Comments
	Notified of ERP stormwater permit requirements	4	Site Plan Review Procedures contained in SWMP; notations construction plans and/or on Construction Plan Report	Development Services Department staff	
	Confirmed ERP coverage	4	Site plan review notations	Development Services Department staff	
	Notified of CGP stormwater permit requirements	4	Site Plan Review Procedures contained in SWMP; notations on construction plans and/ Construction Plan Report	Development Services Department staff	
	Confirmed CGP coverage	4	Site plan review notations	Development Services Department staff	
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement		•		
	Report on the inspection program for privately-operated and permittee-operated con reporting year, the number of inspections of active construction sites, the percentage enforcement actions / referrals taken.	struction sites, inclue e of active constructi	ding the number o on sites inspected	f active construction , and the number ar	sites during the ad type of
	PERMITTEE SITES: Active construction sites	1	Site Plan Review Procedures contained in SWMP	Development Services Department staff	
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	3	Work Order	Development Services Department staff	
	PERMITTEE SITES: Percentage of active construction sites inspected	100	Work Order	Development	

SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY	TABLE							
Α.	B.		C.	D.	E.	F.			
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	nt/Quantifiable SWMP Activity		Documentatio n / Record	Entity Performing the Activity	Comments			
					Services Department staff				
	PRIVATE SITES: Active co	PRIVATE SITES: Active construction sites , During, and Post inspections of active construction sites for E&S and waste control BMPs ES: Percentage of active construction sites inspected Enforcement Action			Development Services Department staff				
	PRIVATE SITES: Pre-, During, and Post inspections of activity sites for E&S and wast				Development Services Department staff				
	PRIVATE SITES: Percentage of active construction				Development Services Department staff				
	Enfo				Development Services Department staff	None needed			
Part III.A.9.c	Construction Site Runoff — Site Operator Training								
	Report the type of training activities, the number of inspectors, site	plan reviewers a	nd site operators trai	ned (both in-house	e and outside training	g).			
		DEP Certification	Annual Training						
	Permittee construction site inspectors	6	4	FDEP Certificates	Cheryl Moore	May 22 and 23, 2019.			
	Permittee construction site plan reviewers		4	Sign-In Sheet	PBC Steering Committee	March 11, 2020			
	Permittee construction site operators		0	Sign-In Sheet	PBC Steering Committee				
	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.								
Part III.A.9 Summary	Strengths: Monitoring construction sites more to ensure compliance with NPDES and CRB. Limitations: Assuring that private contractors develop and maintain good best management practices								
	SWMP revisions implemented to address limitations: More me	v	<u> </u>						

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)								
Α.	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.						
Λ.	N/A							
	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)						
В.	N/A							

SECTION IX. TMDL Status Report

			rizing the status of the all prioritized for TMI		clude a list of prioriti	zed TMDLs and their r	nonitoring and imp	lementation schedule	; and include the		
Α.	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										
	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).										
в.	WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date						
	N/A										
ŀ											
C.	Provide a b	rief statement as to t	L the status of TMDL ir	nplementation accord	ling to Part VIII.B of	the permit (e.g. status	s of monitoring to v	alidate WLA):			
	No discharge to a TMDL WBID at the time of permit issuance.										

City of Riviera Beach (NPDES Stormwater Permitting Program)

'Water Quality Monitoring Assessment Report'

(submitted as Attachment 1 to the City of Riviera Beach, Florida Permit Cycle 4, Year 4 Annual NPDES Report)

> Prepared by City of Riviera Beach and JLH Associates January 2021

'Water Quality Monitoring Report'

Purpose

The purpose of the 'Water Quality Monitoring Report' is to provide information for the *City of Riviera Beach* to determine the overall effectiveness of its Stormwater Management Plan 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 Florida Department of Environmental Protection (FDEP) assessment program for water body impairments will be analyzed and Riviera Beach's contribution, if any, to those impairments will be assessed.
- B. Water Quality Monitoring Program The water quality monitoring program is intended to identify local sources where urban stormwater is affecting surface water resources.
- C. Water Quality Trend Analysis Using the water quality monitoring results trends can be identified and evaluated.
- D. Pollutant Loading Estimates/Results Pollutant loadings and results are reported.
- E. **Conclusions** Final conclusions are made regarding water quality and nutrient loading impacts.

Impaired Water Bodies

The Florida Department of Environmental Protection (FDEP) has an ambient water quality and assessment program for water body impairments. The State is divided into five (5) working groups, with each group cycling through a 5-year assessment cycle. The 5-year cycle includes planning, water quality, monitoring, preliminary evaluation, public meetings, final evaluation, and Secretarial (State) adoption of the verified lists. The City of Riviera Beach is in Group 3. The latest (Cycle 3) assessment occurred in 2017. Based on the FDEP verified assessment mapping and the City's MS4, the City has discharges into FDEP WBID 3242 (C-17 Segment), WBID 3226W2 (Lake Worth Lagoon/Intracoastal Waterway), WBID 3226E1 (Lake Worth Lagoon, Northern Segment) and 3226EB (Lake Worth Lagoon Phil Foster Park). WBID 3226E1 is listed as an 'impaired' water for nutrients (Chlorophyll-A) and Copper. WBID 3242 is listed as 'impaired for Dissolved Oxygen. WBID 3226EB is listed as 'impaired' for bacteria. WBID 3226W2 is not listed as an 'impaired' water.

Water Quality Monitoring Program

As a co-permittee in the Palm Beach Countywide Stormwater permit, the City of Riviera Beach uses the ambient water quality data provided and reports provided by Palm Beach County (PBC) MS4 Group to evaluate the effectiveness of the City's stormwater management programs. Information on the Groups data and reports applicable to the City are contained in the Joint Annual reports and the MS4 website (pbco-npdes.org). Information relevant to the City is contained below.

Based on the location of outfall of the Riviera Beach MS4, three (3) monitoring stations have been established. Station LWL-4 is a Palm Beach County Environmental Resource Management (ERM) Monitoring Site and Station; C17S44 is a South Florida Water Management Monitoring Site; and 12A is an ERM Monitoring Site. The following Table identifies these monitoring stations along with relevant information about the locations. More specifically, Station LWL-4 is located at the John D. MacArthur Beach State Park, east of A1A just north of the Riviera Beach City limits. Station C17S44 is located at the Alt. A1A Bridge approximately one (1) mile north of Northlake Boulevard, and Station 12A is located at the 45th Street Bridge just south of the southern corporate limits in the City of West Palm Beach.

Monitoring Station Number	Location Description	Northing/ Easting	Receiving Water Body
LWL-4	John D. MacArthur Beach Park - East of A1A	898346.67/ 970040.36	Lake Worth Lagoon (North Segment)
C17S44	Alt. A1A Bridge 1 mile N. of Northlake Blvd.	903830.19/ 955552.70	C17 Canal
12A	45th Street Bridge just east of I-95 intersection	992520.57/ 953672.56	C17 Canal

Table 1 MS4 Monitoring Stations

Source: 2016-17 PBC MS4 Cycle 4, Year 2 Joint Annual Report (Ref. Table 5-1 Water Quality Monitoring Site Locations, p.35).

The primary concern that FDEP has regarding the stormwater pollutant discharges is related to nutrients and their impacts on the receiving water. The City of Riviera Beach evaluated nutrient monitoring results at the above three (3) locations. The results referenced in the Palm Beach County (PBC) MS4 Cycle 4, Year 4 Joint Annual Report (YR4- JAR) is used for evaluating the nutrient levels. Specifically, Total Nitrogen (TN), Total Phosphorus (TP) and Chlorophyll-A (a surrogate for nutrient enrichment) are analyzed and evaluated below.

The State has established numeric surface water quality standards for the Lake Worth Lagoon (north segment) for Total Nitrogen, Total Phosphorous and Chlorophyll-A . In TABLE 5-3 (page 5 of 7) in the YR4- JAR for Station LWL-4 are as follows: TN - less than or equal to 0.54 mg/l Annual Geometric Mean (AGM); TP - less than or equal to 0.044 mg/l AGM; and Chlorophyll-A - less than or equal to 2.9 ug/l AGM.

For water quality stations 12A and C17S144 in C-17 Canal Basin the State has numeric surface water quality standard for Chlorophyll-a -less than or equal to 20 ug/l AGM. The State has not established a numeric criterion for TN and TP in the C-17 Canal (refer to Table 5-3 (page 2 of 7) in the YR4-JAR.

Review of the water quality exceedance at station LWL-4 Tables 5-8, 5-9 and 5-10 (YR4-JAR) indicate that 0, 0 and1 for TP, TN and Chlorophyll-a occurred in the last 8 years. Station 12A had one exceedance for Chlorophyll-a in the last 10 years. There is no chlorophyll-a data for Station C17S144.

Water Quality Trends

To evaluate long-term nutrient trends, the water quality data for the period of record are presented in the PBC Cycle 4 Year 4 Joint Annual Report and MS4 website(<u>http://pbco-npdes.org/monitoring.asp?menu=JointMenu</u>). All the nutrient trend graphs TN, TP And Chlorophyll-a for all three Stations 12A, C17S44 and LWl-4 show downward or decreasing trends, and all are below the applicable State surface water quality standards. Refer to Table 5-11 (pages 2 and 8 of 14) in YR4- JAR and trend graphs on the MS4 group website.

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Pollutant Loading Estimates/Results

The municipal separate storm sewer system (MS4) National Pollutant Discharge Elimination System (NPDES) Cycle 4 permit, issued September 8, 2016, requires in PART V. - Monitoring Requirements that average annual pollutant loading, and event mean concentration (EMC) estimates be provided for six (6) parameters. The six (6) parameters identified are: 1) five-day biochemical oxygen demand (BODs); 2) total copper (Cu); 3) Total nitrogen (TN); 4) total phosphorus (TP); 5) total suspended solids (TSS); and, 6) total zinc (Zn), all in the unit of mg/l. It is assumed by the FDEP that pollutant loading generated within a watershed flows through MS4 outfalls and directly affects the receiving bodies. An option is provided in the permit to provide the average annual pollutant loading estimates based on major outfalls watersheds Since the pollutant loading estimates for permit Cycles 1 through 3 were provided on a watershed basis, it was agreed with the FDEP that the Cycle 4 loading estimates would also be provided on a watershed basis. In addition to meeting the requirements of the permit, modeling the average annual pollutant loading generated or a MS4's watershed can assist in planning for future improvements in stormwater quality treatment, regulations or stormwater management.

The City of Riviera Beach lies in the C-17 watershed and the Lake Worth Lagoon North Segment. All six (6) parameters are analyzed and graphed in the Cycle 4, Year 3 'Summary of Average Annual Pollutant Loading Model Activities' report (2019) for all the watersheds including the C-17 and the Lake Worth Lagoon. (See Figures 3-8, pages 20-23) prepared by Mock-Roos for the co-permittees reference. All parameters indicate a general decrease between the Cycle 3, Year 3 and Cycle 4, Year 3 reporting period within the C-17 and Lake Worth Lagoon watersheds.

Pollutant loadings for the Riviera Beach MS4 are also reported in the 'Summary of Average Annual Pollutant Loading Model Activities' report cited above. Pollutant loadings for all six (6) parameters are reported for C-17 and year 2018 (Table 16, page 29 of the report) and Lake Worth Lagoon (Table 16, pages 39 and 40) and, specifically, for the Riviera Beach MS4 below in Tables 8 and 9.

Riviera Beach has in place stormwater management programs that reduce the nutrient loading into the C17 and the Lake Worth Lagoon North Segment. These programs include maintenance of ditches and conveyance swales, wet and dry detention systems, liter control, street sweeping, public education material and activities (brochures and flyers for public distribution, MS4group activities and adopted Florida Friendly Landscape Regulations/Fertilizer Ordinance). The public education component alone allows a 6% reduction in pollutant loadings are reported in Tables 8 and 9 below. Also reflected in these Tables are significant reductions in TP and TN from the Year 4 street sweeping activities and prorated based on area weighted contributions. Please note that the total street sweeping reductions are distributed 70% to the C-17 Watershed and 30% to the Lake Worth Lagoon Watershed.

-City of Riviera Beach – C17 Watershed									
Parameter	BODs	<u>TSS</u>	<u>TP</u>	CU	ZN	TN			
2013 Loads	63,900	337,782	2667	163	718	19,592			
2018 Loads	59,754	302,620	2578	151	639	19,157			
Other Reduction - Public Education (6% - rounded)	3585	18,157	155	9	38	1149			
- FY19-20 Street Sweepir	ng 0	0	6	0	0	11_			
Total Amount	60,315	319,625	2506	154	680	18,432			
Percent (%) Reduction -4-	5.6%	5.4%	6.0 %	5.5%	5.3%	5.9%			
	D _11	Table 9	(lbs/yr)						

Table 8 Pollutant Loadings (lbs/vr)

Pollutant Loadings (lbs/yr) -City of Riviera Beach – Lake Worth Lagoon Watershed

Parameter	BODs	<u>TSS</u>	<u>TP</u>	<u>CU</u>	ZN	<u>TN</u>
2013	19,235	107,715	859	59	234	5,919
2018	19,006	105,736	851	54	228	5,888
Other Reduction - Public Education (6% - rounded) - FY19-20 Street Sweeping	1,140 g0	6,344 0	51 2	3	13 0	353 <u>5</u>
Total Amount	18,095	101,371	806	56	221	5561
<u>Percent (%) Reduction</u> Reductions in pollutant lo significant for all six ^) para	•	5.9% the Riviera	<u>6.2%</u> Beach MS4	5.1% between	5.6% 2013 and	<u>6.0%</u> 2018 are

Conclusions

The City of Riviera Beach stormwater management programs are being effective in reducing nutrient loadings; especially for TP and TN reductions from street sweeping activities. This is supported by the water quality monitoring program data (both FDEP and the MS4 group information), water quality trend analysis and pollutant loadings. Currently, there is no need for the City to develop further stormwater management programs.

Attachment 2

City of Riviera Beach FY 19/20 NPDES Program 'Update to Land Development Regulations'

Introduction/Comment

The City of Riviera Beach prepared Recommendations to revise/update the City's Land Development Regulations (LDRs) in C4Y2 of the current NPDES permit. There are no further updates to the City's LDRs proposed at this time.