



Annual Report Form For Individual NPDES Permits For Municipal Separate Storm Sewer Systems (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by email to the NPDES Stormwater Program Administrator or to the MS4 coordinator (<http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm>). Files larger than 10MB may be placed on the FTP site at: ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/. After uploading files, email the MS4 coordinator or NPDES Program Administrator to notify them the report is ready for downloading; or by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

Submit the form and attachments to:
 Florida Department of Environmental Protection
 Mail Station 3585
 2600 Blair Stone Road
 Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION

A.	Permittee Name: Town of Lantana		
B.	Permit Name: Palm Beach County MS4		
C.	Permit Number: FLS000018-004		
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input checked="" type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
E.	Reporting Time Period (month/year): October / 2019 through September / 2020		
F.	Name of the Responsible Authority: Deborah Manzo		
	Title: Town Manager		
	Mailing Address: 500 Greynolds Circle		
	City: Lantana	Zip Code: 33462	County: Palm Beach
	Telephone Number: 561-540-5000		Fax Number: 561-540-5759
E-mail Address: dmanzo@lantana.org			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Jerry Darr		
	Title: Assistant Utilities Director		
	Department: Public Utilities		
	Mailing Address: 510 W. Pine Street		
	City: Lantana	Zip Code: 33462	County: Palm Beach
	Telephone Number: 561-540-5758		Fax Number: 561-540-5759
E-mail Address: jdarr@lantana.org			

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable in Year 1)

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

SECTION III. PART V.B. ASSESSMENT PROGRAM

<p>A.</p>	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <u>DEP Note:</u> <i>If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: <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 addresses with the Annual Assessment Report documents provided in Appendix A.</i></p>
<p>B.</p>	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year. <u>DEP Note:</u> <i>Results must be specific to the permittee's SWMP.</i></p> <p><i>See attached Appendix A: Annual Assessment Report.</i></p>
<p>C.</p>	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. <u>DEP Note:</u> <i>Analysis must be specific to the permittee's SWMP.</i></p> <p><i>See attached Appendix A: Annual Assessment Report.</i></p>

SECTION IV. FISCAL ANALYSIS

<p>A.</p>	<p>Total expenditures for the NPDES stormwater management program for the current reporting year: \$135,104.50</p>
<p>B.</p>	<p>Total budget for the NPDES stormwater management program for the subsequent reporting year: \$214,532.00</p>
<p>C.</p>	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <p>N/A</p>

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

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

Attached	N/A	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	Refer to Joint Annual Report and attached Appendix A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	
<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 checked="" type="checkbox"/>	<input 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	Refer to attached Appendix B
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	No changes to legal authority; not applicable
<input checked="" type="checkbox"/>	<input type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> The monitoring plan (with revisions, if applicable). If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate. 	Part V.B.3 Part V.A.3	Refer to Joint Annual Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	Not Applicable

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): Deborah Manzo

Title: Town Manager

Signature:  Date: 3/16/2021

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.				C.	D.	E.	F.	
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity				Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
Part III.A.1	Structural Controls and Stormwater Collection Systems Operation								
	<p>Report the current known inventory.</p> <p>Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained.</p> <p><i>Note: Delete structures that are not in your MS4's inventory. The permittee may choose its own unit of measurement for each structural control to be consistent with the unit of measurement in the documentation. Unit options include: miles, linear feet, acres, etc.</i></p>								
	Type of Structure	Number of Structures	Number of Inspections	Percent Inspected	Number of Maintenance Activities	Percent Maintained			
	Dry retention systems	5	1 (BMP A); 6 (BMP C); 3 (BMP D); 1 (BMP F)	80%	1 (BMP A – tree removal / debris clean-up); 1 (BMP D – debris clean-up); 3 (BMP C – regrading retention area; jetting/cleaning pipes; debris clean-up)	80%	Drainage Inspection & Maintenance Report Form	Town Staff	Town has 5 BMPS (A, C, D, E, & F) that are owned and maintained by the Town. BMP B is owned and maintained by PBC.
	Grass treatment swales (linear feet)	12,980	52	100%	52 (trash collected and disposed of weekly)	100%	Town Contract with Republic Services, Inc. / 10/21/19 Letter of Republic Services, Inc. sell Waste Pro	Waste Pro of Florida, Inc.	Town hired a private contractor (Republic Services, Inc.) to perform this work. Republic Services, Inc. provided the Town notice on 10/21/19 that certain aspects of Republic Services, Inc. have been sold Waste Pro of Florida, Inc. and that the Town's

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	Pollution control boxes								contract is one of those assets. Work for this reporting period was performed by Waste Pro, Inc.
		2	4 (PCD #1); 4 (PCD #2)	100%	2 (PCD #1); 3 (PCD #2)	100%	Drainage Inspection & Maintenance Report Form	Town Staff	Town inspected PCD #1 (4 times) and PCD #2 (4 times) quarterly as required by FDEP. Maintenance activities included cleaning and vacuuming out debris / sediment out of PCDs.
	Stormwater pump stations	2	5 (Pump Station #1); 8 (Pump Station #2)	100%	4 (Pump Station #1); 4 (Pump Station #2)	100%	Drainage Inspection & Maintenance Report Form	Town Staff	Town inspected Pump Station #1 (5 times) and Pump Station #2 (8 times), which satisfies FDEP's semi-annual inspection requirement. Maintenance activities included cleaning, exercising pumps, and general electrical maintenance / testing.
	Major outfalls	0	0	0%	0	0%	Drainage Inspection & Maintenance Report Form	Town Staff	No major outfalls
	Weirs or other control structures	1	1	100%	1	100%	Drainage Inspection & Maintenance Report Form	Town Staff	Weir is located at BMP A. Tree was cut down and removed on 8/20/20.

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity				Number of Activities Performed		Documentation / Record	Entity Performing the Activity	Comments
	MS4 pipes / culverts (linear feet)	12,229	19	10%	19	10%	Drainage Inspection & Maintenance Report Form	Town Staff	The Town inspected / maintained their drainage system pipes on the following dates during the reporting period: 12/2/19 to 12/3/19– System C; 12/12/19 to 12/13/19 – Systems 4, 8, 9, 10, 11, 12, 13, 14, 15, 17, C, D; 1/13/20 to 1/29/20 – System C; 2/7/20 –Systems 2, 3, 4, 8, 9, 15, 16, 17; 2/12/20 to 2/14/20 – System C; 2/25/20- System 17; March 2020 – all 16 outfalls; 3/2/20 – System 17; 3/3/20 – Systems 9, 15; 3/10/20 – System 16, C; 3/11/20 – Systems 1, 2, 3; 3/25/20 – Systems 9, 16, C; 5/26/20 – Systems 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, C, D, F; 6/4/20 – Systems 7, 9, C; 6/9/20 – System 15; 7/25/20 – Systems 2,9,17; 7/28/20 to 7/31/20 – Systems 8, 9, 11, 12, 13, 14, 15, C; 8/20/20 – Systems 1, 2, 3, 6, 7, 8, 9, 10 11, 12, 13, 14, 15, 16, A; 8/24/20 – Systems C, D. Maintenance activities included cleaning of debris, jetting of pipes, removal of

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity				Number of Activities Performed		Documentation / Record	Entity Performing the Activity	Comments			
	Inlets / catch basins / grates				128	19	100%	19	100%	Drainage Inspection & Maintenance Report Form	Town Staff	obstructions, etc. The Town inspected / maintained their drainage system inlets / catch basins on the following dates during the reporting period: 12/2/19 to 12/3/19– System C; 12/12/19 to 12/13/19 – Systems 4, 8, 9, 10, 11, 12, 13, 14, 15, 17, C, D; 1/13/20 to 1/29/20 – System C; 2/7/20 –Systems 2, 3, 4, 8, 9, 15, 16, 17; 2/12/20 to 2/14/20 – System C; 2/25/20– System 17; March 2020 – all 16 outfalls; 3/2/20 – System 17; 3/3/20 – Systems 9, 15; 3/10/20 – System 16, C; 3/11/20 – Systems 1, 2, 3; 3/25/20 – Systems 9, 16, C; 5/26/20 – Systems 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, C, D, F; 6/4/20 – Systems 7, 9, C; 6/9/20 – System 15; 7/25/20 – Systems 2,9,17; 7/28/20 to 7/31/20 – Systems 8, 9, 11, 12, 13, 14, 15, C; 8/20/20 – Systems 1, 2, 3, 6, 7, 8, 9, 10 11, 12, 13, 14, 15, 16, A; 8/24/20 – Systems C, D. C, D. Maintenance activities included

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										cleaning of debris, removal of obstructions, etc.
	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.					N/A		N/A	N/A	Minimum Inspection Frequencies Met

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Town completes inspection of 100% of their MS4 inlets and minimum 10% inspections of drainage pipe annually. The dry detention BMPs are regularly inspected and mowed which includes trash pick-up.				
	Limitations: None.				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.2	Areas of New Development and Significant Redevelopment				
	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.				
	Number of significant development projects reviewed	1	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	8 applications were reviewed during the reporting period and 7 were less than 1 acre
	Number of significant development projects approved	0	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	WTC Parcel was still under review during the end of this reporting period.
	Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation.				
	Year 2 ONLY: Attach the summary report of the review activity	<input type="checkbox"/>	N/A	N/A	
	Year 4 ONLY: Attach the follow-up report on plan implementation	<input checked="" type="checkbox"/>		Town Staff / Baxter & Woodman, Inc.	Refer to attached Appendix B
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Any proposed significant redevelopment projects must submit for review and approval to the Town's Plan Review Committee and then to the Town Council.				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.3	Roadways				
	Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. <i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i>				
	PERMITTEE Litter Control: Frequency of litter collection	0	Town Contract with Republic Services, Inc. / 10/21/19 Letter of Republic Services, Inc. sell Waste Pro	Waste Pro of Florida, Inc.	Town hired a private contractor to perform this work.
	PERMITTEE Litter Control: Estimated amount of area maintained (linear feet)	0	Town Contract with Republic Services, Inc. / 10/21/19 Letter of Republic Services, Inc. sell Waste Pro	Waste Pro of Florida, Inc.	Town hired a private contractor to perform this work.
	PERMITTEE Litter Control: Estimated amount of litter collected (cubic yard)	0	Town Contract with Republic Services, Inc. / 10/21/19 Letter of Republic Services, Inc. sell Waste Pro	Waste Pro of Florida, Inc.	Town hired a private contractor to perform this work.
	CONTRACTOR Litter Control: Frequency of litter collection	52, weekly	Waste Pro Collection Schedule as posted on Town's website	Waste Pro of Florida, Inc.	
	CONTRACTOR Litter Control: Estimated amount of area maintained (sq. miles)	2.3	Waste Pro Collection Schedule as posted on Town's website	Waste Pro of Florida, Inc.	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	CONTRACTOR Litter Control: Estimated amount of litter collected (tons)	8,029.2	Town Contract with Republic Services, Inc. / 10/21/19 Letter of Republic Services, Inc. sell Waste Pro	Waste Pro of Florida, Inc.	Town hired a private contractor (Republic Services, Inc.) to perform this work. Republic Services, Inc. provided the Town notice on 10/21/19 that certain aspects of Republic Services, Inc. have been sold Waste Pro of Florida, Inc. and that the Town's contract is one of those assets. Work for this reporting period was performed by Waste Pro, Inc. and trash collected weekly.
<p>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.</p> <p><i>Note: If the permittee does not contract activities, delete CONTRACTOR activities.</i></p>					
	Trash Pick-up Events: Total miles cleaned	1.8	Clean-Up Event Email from Park and Recreation Supervisor	Town of Lantana	Local Town Clean-Up Event held on January 25, 2020 from 8:30am – 10:30am
	Trash Pick-up Events: Estimated amount of litter collected (pounds)	138	Clean-Up Event Email from Park and Recreation Supervisor	Town of Lantana	
<p>Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.</p>					

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	Frequency of street sweeping	0	Town does not perform street sweeping. The Town does not own any roadways that have curb and gutter.		
	Total miles swept	0	Aerial Map of Town Boundaries showing roadways	Town Public Works Staff	Town streets do not have curb and gutter, so Town does not perform street sweeping.
	Estimated quantity of sweeping material collected (cy / tons)	0	Aerial Map of Town Boundaries showing roadways	Town Public Works Staff	
	Total phosphorous loadings removed (pounds)	0	Aerial Map of Town Boundaries showing roadways	Town Public Works Staff	
	Total nitrogen loadings removed (pounds)	0	Aerial Map of Town Boundaries showing roadways	Town Public Works Staff	
	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			
	Name of Facility #1: Municipal Maintenance Yard	12	Supervisor's Daily Spill Inspection Report	Public Works Staff / WTP Staff	3 inspectors monitored monthly the general public works / utilities site, painting, vehicle maintenance and above ground storage tank respectively.

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Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: A majority of the Town's MS4 drains to roadside swales or dry detention areas which provide treatment of runoff.				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.4	Flood Control Projects				
	Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not.				
	Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.				
	Flood control projects completed during the reporting period	0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
	Flood control projects completed that did <u>not</u> include stormwater treatment	0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
	Stormwater retrofit projects planned/under construction	0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
	Stormwater retrofit projects completed	0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
	If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.	0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Due to the fact that the Town is small in size and there are not many larger land parcels, there are few flood control projects. The Town therefore can focus on the flood control projects that are planned or underway.				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				

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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 facility.				
	Name of Facility	Number of Inspections			
	0	0	Town sites with labels per PBC Property Appraiser	Town Public Works Staff	No municipal waste treatment storage and disposal facilities within the Town
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The Town annexed the Palm Beach County Solid Waste Authority Central Transfer Station property, which has a separate NPDES permit.				
	Limitations: None				
	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 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.				
	PERSONNEL: FDACS public applicators of pesticides/herbicides	0	FDACS ID card	Jhonny Alex Arango, Robert Alcantara, Kenneth Shepard	Town utilizes private contractor for pesticide / herbicide application
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	3	FDACS ID card	Jhonny Alex Arango, Robert Alcantara, Kenneth Shepard	All 3 contractors have completed Green Industry BMP Training during previous reporting periods.
	PERSONNEL: Green Industry BMP Program training completed	6	BMP Green Industry Program Training Certificates	Keely Haverland, Robert Alcantara, Jhonny Alex Arango, Kenneth Shepard, Robinson E.	

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer			Cruz Lucero, Devon Houston	
		3	FDACS ID card	Frank Robert Patterson, Jhonny Alex Arango, Robinson E. Cruz Lucero	2 of the 3 contractors (Cruz- Lucero, Arango) have completed Green Industry BMP Training during previous reporting periods.
	Provide a copy of the adopted ordinance with the Year 2 Annual Report. If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, indicate that in Column F.				
	Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance	1	Town Code of Ordinances – Ordinance O- 23-2012	Town Council	
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan 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.			
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The Town contracts for pesticide treatment at Town Hall, the parks, and the recreation center. The Town also contracts for herbicide application at Town facilities.				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
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	Town Code of Ordinances – Ordinance O- 02-93	Town Manager / Town Council	No changes to applicable legal authority.
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	Report on the proactive inspection program, including the number of inspections conducted by the permittee, the number of illicit activities found, and the number and type of enforcement actions taken.				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	<p align="center">Proactive inspections for suspected illicit discharges</p>	<p align="center">2 (Entire MS4)</p>	<p align="center">Supervisor's Daily Spill Inspection Report; Drainage Inspection & Maintenance Report Form</p>	<p align="center">Public Works & WTP personnel</p>	<p>3 inspectors monitored monthly the general public works / utilities site, painting, vehicle maintenance and above ground storage tank respectively. Town completes inspection of 100% of their MS4 inlets and minimum 10% inspections of drainage pipe annually. The dry detention BMPs are regularly inspected and mowed which includes trash pick-up.</p>
	<p align="center">Illicit discharges found during a proactive inspection</p>	<p align="center">0</p>	<p align="center">Email from Town (D. Blom) 2/2/21</p>	<p align="center">Town Public Works Staff</p>	<p align="center">None found.</p>
	<p align="center">NOV/WL/citation/fines issued for illicit discharges found during proactive inspection</p>	<p align="center">0</p>	<p align="center">Email from Town (D. Blom) 2/2/21</p>	<p align="center">Town Public Works Staff</p>	<p align="center">No NOVs, etc. issued during this reporting period.</p>
<p>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>					
	<p align="center">Reports of suspected illicit discharges received</p>	<p align="center">0</p>	<p align="center">Email from Town (D. Blom) 2/2/21</p>	<p align="center">Town Public Works Staff</p>	<p align="center">None received during this reporting period.</p>
	<p align="center">Reactive investigations of reports of suspected illicit discharges etc.</p>	<p align="center">0</p>	<p align="center">Email from Town (D. Blom) 2/2/21</p>	<p align="center">Town Public Works Staff</p>	
	<p align="center">Illicit discharges etc. found during reactive investigation</p>	<p align="center">0</p>	<p align="center">Email from Town (D. Blom) 2/2/21</p>	<p align="center">Town Public Works Staff</p>	
	<p align="center">NOV/WL/citation/fines issued for illicit discharges etc. found during reactive</p>	<p align="center">0</p>	<p align="center">Email from</p>	<p align="center">Town Public</p>	<p align="center">No NOVs, etc.</p>

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	investigation		Town (D. Blom) 2/2/21	Works Staff	issued during this reporting period.
	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	6	In-House Employee Training Quizzes; NPDES Steering Committee Attendance Log (3/11/20)	Public Works & WTP Staff	Town utilized Excal Videos and held in-house training with staff. Additionally, one staff member completed training through PBC Steering Committee Meeting attendance on 3/11/20.
Contractors trained	0	In-House Employee Training Quizzes; NPDES Steering Committee Attendance Log (3/11/20)	Public Works & WTP Staff	Town utilized Excal Videos and held in-house training with staff. Additionally, one staff member completed training through PBC Steering Committee Meeting attendance on 3/11/20.	
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	Email from Town (D. Blom) 2/2/21	Town Public Works Staff	No spills reported during this reporting period.
	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	6	FDOT NPDES Spill Prevention Containment and Response Training	Public Works & WTP Staff	Town utilized Excal Videos and held in-house training with staff. Additionally, a few	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
			Certificate; In-House Employee Training Quizzes; NPDES Steering Committee Attendance Log (3/11/20)		staff members completed training through FDOT and PBC Steering Committee.
	Contractors trained	0	FDOT NPDES Spill Prevention Containment and Response Training Certificate; In-House Employee Training Quizzes; NPDES Steering Committee Attendance Log (3/11/20)	Public Works & WTP Staff	Town utilized Excal Videos and held in-house training with staff. Additionally, a few staff members completed training through FDOT and PBC Steering Committee.
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan 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.			
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan 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.			

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage				
	Report on the type and number of activities undertaken to reduce or eliminate SSOs and inflow/ infiltration, the number of SSOs or inflow / infiltration incidents found and the number resolved, and the name of the owner of the sanitary sewer system within the permittee's jurisdiction. Report only the SSOs and inflow / infiltration incidents into the MS4.				
	Owner of the sanitary sewer system	Town of Lantana Collection System (discharges to ECRWWTP in West Palm Beach)			
	Activity to reduce/eliminate SSOs and I&I: (gravity sewer main cleaning & lining)	3	Hinterland Group, Inc. Invoices Dated 3/31/20, 8/10/20, 9/25/20	Hinterland Group, Inc.	Town contracted with Hinterland Group, Inc. to clean approximately 3,005 LF of gravity sewer main and install a cured in-place (CIPP) liner in approximately 1,968 LF of gravity sewer main.
	SSO incidents discovered	4	PBC Health Dept. Wastewater Spillage Report	Town Staff	12/23/19: Sewer overflow at manhole at intersection of Pine Street and Dixie Hwy due to blockage between MH #332 & MH #333; 1/13/20: Sewer overflow at manhole at intersection of Flamingo Drive and Ridge Road due to blockage between manholes; 5/9/20: Sewer overflow at MH #917 at 735 Ridge Rd due to blockage in the

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE							
A.	B.			C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity			Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	SSO incidents resolved Inflow / infiltration incidents discovered Inflow / infiltration incidents resolved						main; 6/12/20: A utility contractor bored through the Town's force main at 1581 W. Lantana Rd.
				4	PBC Health Dept. Wastewater Spillage Report	Town Staff	All incidents were resolved on the day of occurrence
				0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
				0	Email from Town (D. Blom) 2/11/21	Town Public Works Staff	
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: The Town proactively inspects inlets, BMPs, and outfall and patrols roadways within the Town on a regular basis. The zoning for commercial and industrial uses is concentrated in a few locations, and the Town field staff are alert to look for illicit discharges. The Town has an established telephone hotline and information on its website for resident reporting of illicit connections.						
	Limitations: None						
	SWMP Revisions implemented to address limitations: N/A						
Part III.A.8.a	Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections						
	Report on the high-risk facilities inventory, including the type and total number of high risk facilities and the number of facilities newly added each year.						
	Report on the high-risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken.						
	Type of Facility	Number of Facilities	Number of Inspections	Enforcement Actions			
	Operating municipal landfills	0	0	0	FDEP Solid Waste Facility Inventory Report	Town / Baxter & Woodman, Inc.	No operating municipal landfills in Town
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	EPA RCRAInfo, EPA TRI database, EPA CERCLIS database	Town / Baxter & Woodman, Inc.	PBCo SWA Central Transfer Facility property annexed into Town boundary

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE							
A.	B.		C.		D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity		Number of Activities Performed		Documentation / Record	Entity Performing the Activity	Comments
							but does not discharge into Town's MS4
	EPCRA Title III, Section 313 facilities (TRI)	0	0	0	EPA TRI database	Town / Baxter & Woodman, Inc.	No Section 313 facilities identified in Town
	Facilities determined as high risk by the permittee	0	0	0	Email from Town (D. Blom) 2/2/21	Town Public Works Staff	Town has not identified any high risk facilities
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 sampled			0	EPA RCRAInfo, EPA TRI database, EPA CERCLIS database	Town / Baxter & Woodman, Inc.	PBCo SWA Central Transfer Facility property annexed into Town boundary but does not discharge into Town's MS4
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
	Strengths: The only High Risk Facility is the PBC SWA Central Transfer Station which does not connect to the Town's MS4. Confirmation of any additional High Risk Facilities being added to the MS4 is confirmed annually during the preparation of the annual report.						
	Limitations: None						
	SWMP revisions implemented to address limitations: N/A						
Part III.A.9.a	Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices						
	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.						
	PERMITTEE SITES: Construction site plans reviewed			0	Email from Town (D. Blom) 2/11/21	Town Public Works	No permittee projects during this reporting period
	PERMITTEE SITES: Construction site plans approved			0	Email from Town (D. Blom) 2/11/21	Town Public Works	No permittee projects during this reporting period
	PRIVATE SITES: Construction site plans reviewed			8	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	PRIVATE SITES: Construction site plans approved	7	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	WTC Parcel was still under review at the end of this reporting period.
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	Notified of ERP stormwater permit requirements	0	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	No sites meeting ERP requirements were approved during this reporting period
	Confirmed ERP coverage	0	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	
	Notified of CGP stormwater permit requirements	0	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	No sites meeting CGP requirements were approved during this reporting period
	Confirmed CGP coverage	0	2019 / 2020 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement				
	Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken.				
	PERMITTEE SITES: Active construction sites	0	Email from Town (D. Blom) 2/11/21	Town Public Works	No permittee projects during this reporting period
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	CIP	Town Public Works	No permittee projects during this reporting period
	PERMITTEE SITES: Percentage of active construction sites inspected	0	CIP	Town Public Works	No permittee projects during this reporting period

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	PRIVATE SITES: Active construction sites	1	Approved during Year 2 of the Reporting Cycle (2017/2018 Drainage Permit Application Log)	Town Building Dept., PRC and Town Engineer	WTC Commons Residential has been under construction during Years 2, 3, and 4 of the reporting periods.
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	8	Construction Site Inspection Form	Town Public Works Staff	Town completed the 2 required inspections (pre- and during construction inspections) Of the Water Tower Commons Residential site during the previous reporting period (10/12/18; 3/10/19). Construction was still in progress during the current reporting period and the Town completed an additional 6 inspections during construction. Construction of the site was still in progress at the end of this reporting period.
	PRIVATE SITES: Percentage of active construction sites inspected	100%	Construction Site Inspection Form	Town Public Works Staff	
	Enforcement Action	0	Construction Site Inspection Form	Town Public Works Staff	No NOVs, etc. issued during this reporting period.

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.	
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments	
Part III.A.9.c	Construction Site Runoff — Site Operator Training					
Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training).						
		DEP Certification	Annual Training			
	Permittee construction site inspectors	5	6	DEP Stormwater Erosion and Sedimentation Control Inspector Training Program Certificate; FDOT NPDES Spill Prevention Containment and Response Training Certificate; In-House Employee Training Quizzes; NPDES Steering Committee Attendance Log (3/11/20)	Public Works & WTP Staff	D. Blom, A. Benjamin, S. Ralston, F. Furman, and C. Hinzy all completed the initial DEP Certification training during a previous reporting period. Refresher training was completed by D. Blom, J. Darr, S. Ralston, W. Wills, W. Colbert, and F. Furman.
	Permittee construction site plan reviewers		1	DEP Stormwater Erosion and Sedimentation Control Inspector Training (Baxter & Woodman, Inc. – M. Travis)	Town Engineer	February 2, 2016
	Permittee construction site operators		0	In-House Training	Public Works & WTP Staff	No permittee active construction sites during this

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
					reporting period
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The Town construction site inspectors are certified / trained and regularly inspect all construction sites. Inspectors notify appropriate Town Staff of identified Contractor BMP deficiencies and communicate / follow-up on notified deficiencies with the Contractor via phone or email until deficiencies are addressed. Town staff document pre-, during and post-construction inspections of private construction site that meet ERP and CGP requirements.				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: None				

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable in Year 4)		
A.	Permit Citation/ SWMP Element	Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.
		N/A
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)
		N/A

SECTION IX. TMDL Status Report

A.	YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.								
	WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
	N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A) if BPCP)
				<input type="checkbox"/> / <input type="checkbox"/>					
B.	YEAR 3 and annually thereafter, provide a summary of the estimated load reductions that have occurred for the pollutant(s) of concern being discharged from the MS4 to the TMDL water body during the reporting period and cumulatively since the date the Supplemental SWMP was implemented. Year 3: Submit a Monitoring data summary or BPCP (if applicable). Year 4: Submit a Supplemental SWMP (if applicable).								
	WBID Number	Pollutant of Concern	Monitoring Summary / BPCP Submitted	Supplemental SWMP Submitted	Projected load reductions OR Actual load reductions to date				
			(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): <i>No discharge to a TMDL WBID at the time of permit issuance.</i>								

Town of Lantana - NPDES Permit No. FLS000018 - Cycle 4, Year 4

Appendix A – Section III.Part V.A. & Part V.B.
Assessment Program Summary

Town of Lantana
MS4 Permit No. FLS000018-004
Cycle 4, Year 4
Section III. Part V.A. & Part V.B.
Assessment Program Summary

Background

The Town of Lantana’s Assessment Program was approved by FDEP in 2018. The Group Monitoring Report is included in the Cycle 4 Joint Annual Report. The Town of Lantana’s Assessment Program consists of the following components:

- Water Quality Monitoring
- Pollutant Loading Estimate
- Evaluation and Response

A summary of each assessment program component as it pertains to the Town of Lantana during the Year 3 reporting cycle is included below.

Part A – Water Quality Monitoring Summary

Currently, the joint NPDES program in Palm Beach County collects ambient water quality data at several monitoring sites based on the location of major outfalls and TMDL’s within the County. For water quality monitoring, the Town of Lantana is using the ambient water quality data provided by the joint program from site LWL-13.

Palm Beach County Environmental Resource Management (ERM) performed the sampling at monitoring station LWL-13 according to the DEP’s Standard Operating Procedures. The parameters were sampled in accordance with the sampling frequency as outlined in the Assessment Program. The parameters sampled and sampling frequency is summarized in **Table 1** below. The Town’s Assessment Program will be evaluating total phosphorous as the Town’s MS4 and monitoring station LWL-13 are located just south of the central segment of the Lake Worth Lagoon, which is currently verified impaired for nutrients (total phosphorous).

Table 1
Parameters and Sampling
Table

Monitoring Station #	Monitoring Parameters	Type of Monitoring	Collection Method	Sampling Frequency
LWL13	Arsenic	Ambient Water Quality	Grab Samples	Quarterly
LWL13	Cadmium	Ambient Water Quality	Grab Samples	Quarterly
LWL13	Chlorophyll-a	Ambient Water Quality	Grab Samples	Monthly
LWL13	Copper	Ambient Water Quality	Grab Samples	Quarterly
LWL13	Dissolved Oxygen	Ambient Water Quality	Grab Samples	Monthly
LWL13	Lead	Ambient Water Quality	Grab Samples	Quarterly
LWL13	Nitrogen, Ammonia	Ambient Water Quality	Grab Samples	Monthly
LWL13	Nitrogen, Nitrate-Nitrite	Ambient Water Quality	Grab Samples	Monthly
LWL13	Nitrogen, Total	Ambient Water Quality	Grab Samples	Monthly
LWL13	pH	Ambient Water Quality	Grab Samples	Monthly
LWL13	Phosphorous, Orthophosphate	Ambient Water Quality	Grab Samples	Monthly
LWL13	Phosphorous, Total Kjeldahl	Ambient Water Quality	Grab Samples	Monthly
LWL13	Salinity	Ambient Water Quality	Grab Samples	Monthly
LWL13	Specific Conductivity	Ambient Water Quality	Grab Samples	Monthly
LWL13	Temperature	Ambient Water Quality	Grab Samples	Monthly
LWL13	Turbidity	Ambient Water Quality	Grab Samples	Monthly
LWL13	Zinc	Ambient Water Quality	Grab Samples	Quarterly

Per the Town’s Assessment Program, sampling data information for total phosphorous at site LWL-13 has been extracted from prior joint annual reports in order to provide a historical comparison of the nutrient levels at site LWL-13. The sampling data obtained for use in this analysis spans from October 2011 to September 2020. This historical sampling data will be compared to the Numeric Nutrient Criteria for the Southern Lake Worth Lagoon as shown in **Table 2** below. The Specific Narrative Nutrient Criterion for total phosphorous is expressed as an annual geometric mean (AGM) and is based on the criteria set forth in FAC Rule 62-302.532. Please refer to the PBC Joint Annual Report for further information regarding the derivation of the Numeric Nutrient Criteria specific to Palm Beach County estuaries / marine water bodies and fresh water lakes.

Table 2
State of Florida Numeric Interpretation of the Estuary
Specific Narrative Nutrient Criterion per Rule 62-302.32

Estuary	Total Phosphorous
Southern Lake Worth Lagoon	0.050 mg/L as AGM*

*Refer to PBC Joint Annual Report for further information regarding derivation of annual geometric mean (AGM)

Figure 1 shows the sampling data for total phosphorus in mg/L at sampling station LWL-13 and the corresponding date that the samples were taken. The linear trend line shown on the graph shows a slight down-trend from 2011 to 2020, and overall the majority of the samples taken are substantially below the total phosphorous numeric criteria of 0.050 mg/L as AGM.

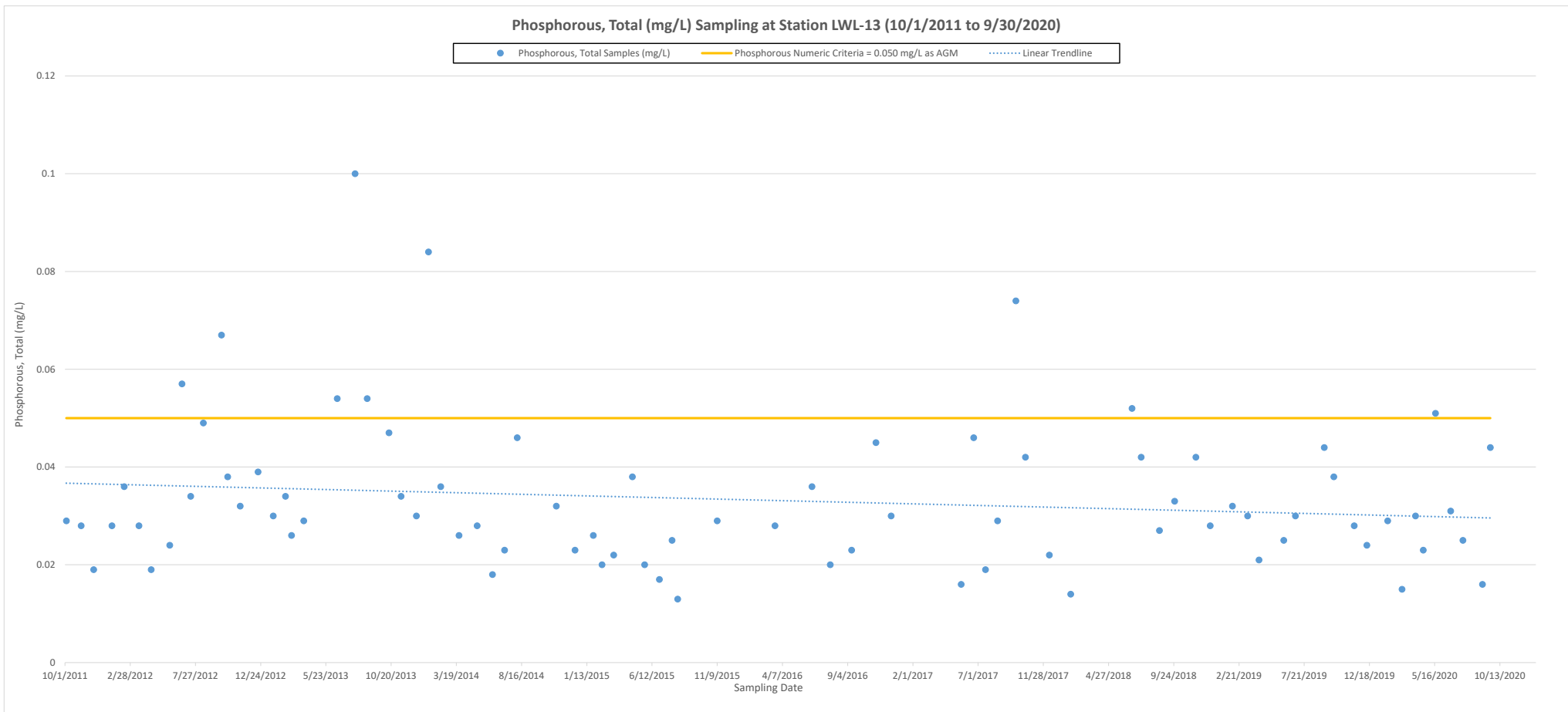


Figure 1: Total Phosphorous Samples (mg/L) vs. Date Sample Collected (10/1/2011 to 9/30/2020)

Table 2 shows the specific total phosphorous sampling data at monitoring site LWL-13 for the Cycle 4, Year 4 Reporting Period. The calculated geometric mean for total phosphorous for this reporting period at monitoring station LWL-13 is 0.0270 mg/L. The calculated geometric mean specifically for this reporting period is less than the specific narrative nutrient criterion per Rule 62-302.532 of 0.050 mg/L as AGM for the Southern Lake Worth Lagoon.

Table 2
LWL-13 Total Nitrogen Samples for Cycle 4, Year 4

LWL-13	Monitoring Parameter
Date	Phosphorous, Total (mg/L)
11/13/2019	0.028
12/12/2019	0.024
1/29/2020	0.029
3/2/2020	0.015
4/2/2020	0.030
4/20/2020	0.023
5/18/2020	0.051
6/22/2020	0.031
7/20/2020	0.025
9/3/2020	0.016
9/21/2020	0.044

Part B – Pollutant Loading Estimate Summary – Provided During Year 3

The Palm Beach County MS4 permittee group developed pollutant loading estimates during the 3rd year of this permit cycle, using the SIMPLE protocol on a watershed basis. The Town of Lantana is located in the Lake Worth Lagoon watershed. The group’s estimated pollutant loading results comparison between Cycle 3, Year 3 and Cycle 4, Year 3 as they pertain to the Town of Lantana are shown in **Table 4**. The Town participates in the group’s public education program, which allows for a 6% reduction in pollutant loadings and is summarized in **Table 4** below.

Table 4
Pollutant Loadings (lbs./yr.) – Town of Lantana – Lake Worth Lagoon Watershed*

Parameter	BOD ₅	TSS	TP	Cu	Zn	TN
2013 Loads (lbs./yr.)	4,785	22,169	239	13	48	1,662
2018 Loads (lbs./yr.)	4,781	22,143	239	13	48	1,661
2018 Public Education Reduction (6%)	287	1,329	14	0.78	2.88	100
Adjusted 2018 Loads (lbs./yr.)	4,494	20,814	225	12.22	45.12	1,561
Percent Reduction from 2013 to 2018	6.08%	6.11%	5.86%	6.00%	6.00%	6.08%

*Pollutant loading values (lbs./yr.) from “Cycle 4, Year 3 – Summary of Average Annual Pollutant Loading Model Activities” by Mock-Roos & Associates, Inc.

All six (6) parameters indicate decreases in pollutant loading between the Cycle 3, Year 3 and Cycle 4, Year 3 reporting period within the Lake Worth Lagoon watershed pertaining to the Town of Lantana MS4.

Part C – Cycle 4, Year 4 Reporting Period Conclusions

In summary, the historical evaluation of the total phosphorous samples at monitoring station LWL-13 shows that on average the samples are below their respective numeric nutrient criteria. For the Cycle 4, Year 4 Reporting period the calculated average geometric mean for total phosphorous was below the specific narrative nutrient criterion of 0.050 mg/L as AGM for the Southern Lake Worth Lagoon.

The pollutant loading estimate summary for the Town of Lantana's MS4 as part of the Lake Worth Lagoon watershed indicated decreases in pollutant loading between 2013 (Cycle 3, Year 3) and 2018 (Cycle 4, Year 3) for all six (6) parameters.

The Town of Lantana currently has no major outfalls, and based on this assessment program summary, the Town's existing stormwater management programs are proven effective. At this time, no additional stormwater management control measures are proposed for the Town of Lantana's MS4.

Town of Lantana - NPDES Permit No. FLS000018 - Cycle 4, Year 4

**Appendix B – Follow-up Report on Summary Review of Local
Codes**

Year 2, Review of Local Codes and Ordinances - Town of Lantana

Code Section

Chapter 5 - BEACHES, BOATS, WATERWAYS

Section 5-18. - Public beach; unlawful conduct

Section 5-40. Discharging excreta from toilet or similar facility, depositing refuse matter into waters of prohibited area

Chapter 6 - BUILDINGS AND BUILDING REGULATIONS

Article VII. - Floodplain Management

Section 6-101. - Floodplain ordinance

Chapter 1 - Administration

Section 103 Duties and Powers of the Floodplain Administrator
103.3 Applications and permits

Section 104 Permits
104.7 Other permits required

Chapter 3 - Flood Resistant Development

Section 301 Buildings and Structures
301.1 All construction

Section 303 Site Improvements, Utilities and Limitations
303.2 Sanitary sewage facilities

Article VIII. - Environmentally Sensitive Lands

Section 6-153. - Review procedures for proposed land alterations

Article X. - Stormwater Management and Drainage

Section 6-176. - Performance standards

Section 6-177. - Sites of one acre or less

Section 6-178. - Sites in excess of one acre and up to but not including ten acres

Section 6-179. - Sites of ten acres or in excess of ten acres

Description

Prohibits littering on the beach

Prohibits illegal discharge into a waterway

The Floodplain Administrator shall review all applications and plans for proposed new developments that will be located in in flood hazard areas

All other applicable state and federal permits (i.e. FDEP, SFWMD, DOH, etc.) in addition to the floodplain development permit must be obtained prior to development

Establishes that all new or substantial improvement construction shall have a finished floor elevation no lower than 6 inches above the base flood elevation

All new and replacement sanitary sewage facilities shall be designed to minimize or eliminate infiltration of floodwaters, discharge into floodwaters, and impairment of the facilities or systems

All applications for building permits shall be reviewed by the Town Building Official and any proposed alteration of environmentally sensitive lands shall be referred to the Town Plan Review Committee (PRC) for evaluation

After development activity is completed, the characteristic of stormwater runoff shall approximate the rate, volume, quality and timing of stormwater runoff that occurred under the site's natural, unimproved or existing state. Proposed development activities shall not violate the water quality standards per Chapter 17-3, F.A.C.

In flood hazard zones, the finished grade of the lot shall not exceed the greater of the natural grade or the base flood elvation minus 1-foot 4-inches

A stormwater drainage system shall be designed and installed utilizing methodology and permitting criteria as established for Lantana's geographical area by SFWMD

A SFWMD permit relative to drainage and stormwater management must be submitted to the Town for the project prior to issuance of a Town Building Permit. All construction must be completed in accordance with the requirements of the SFWMD permit as well as all additional Town requirements.

Year 2, Review of Local Codes and Ordinances - Town of Lantana

Code Section

Description

Section 6-206. - NPDES permits

A copy of the NPDES permit shall be provided to the Town no later than 60 calendar days after issuance

Section 6-207. - Illicit discharges; general prohibitions

Any discharge to the stormwater system that is not composed entirely of stormwater is prohibited

Section 6-208. - Illicit discharges; specific prohibitions

Any discharge to the storm water system containing any sewage, industrial waste or other waste materials, or containing any materials in violation of federal, state, county, municipal, or other laws, rules, regulations, orders or permits is prohibited.

Section 6-210. - Illicit connections

No person may maintain, use or established any direct or indirect connection to the stormwater system that results in any discharge in violation of this division

Section 6-211. - Administrative order

The Town Manager may issue an order to any person to immediately cease any discharge or any connection to the stormwater system that is determined to be in violation of any provision of this division or any regulation or permit issued

Section 6-213. - Spills and dumping; specific prohibitions

Any discharge to the stormwater system containing any sewage, industrial waste or other waste materials, or containing any materials in violation of federal, state, county, municipal, or other laws, rules, regulations, orders or permits, is prohibited

Section 6-214. - Notification of spills

Town Manager should be notified immediately of any spills and immediate action should be taken to ensure the containment and clean-up of such discharge. Confirmation of containment and clean-up shall be reported to the Town Manager within 3 calendar days.

Section 6-218. - Enforcement actions

Town Manager make take all actions necessary, including issuance of notice of violation, filing of court action and/or referral to the Town Code Enforcement Borard to enforce compliance with this ordinance or any regulation or permit issued.

Section 6-219. - Authority for inspections

Allows an authorized official to enter any property at any reasonable time to inspect to enforce any provisions of this division, regulation or permit whenever there is reasonable cause to believe there is an existing violation

Section 6-220. - Authority for monitoring and sampling

Any authorized official may establish on any property such devices as are necessary to conduct sampling or metering of discharges to the stormwater system. During any inspections made to enforce the provisions of this article, or regulations or permits issued hereunder, any authorized official may take any samples deemed necessary.

Section 6-221. - Requirements for monitoring

Town Manager may require any person to undertake reasonable monitoring of any discharges to the stormwater system and furnish periodic reports

Section 6-222. - Maintenance of privately owned stormwater management systems

All privately owned stormwater management systems that discharge into the Town's stormwater management must provide effective maintenance and provide the Town with a copy of the maintenance plan

Year 2, Review of Local Codes and Ordinances - Town of Lantana

Code Section

Description

Chapter 9 - SOLID WASTE COLLECTION AND DISPOSAL

Section 9-11. - Illegal disposal of garbage, etc.

Prohibits disposal of garbage within any storm sewer or waterway

Section 9-12. - Special waste prohibitions

Prohibits disposal of hazardous wastes, biohazardous or biomedical wastes, sludge and/or special waste in garbage cans collected by the Town

Chapter 10.5 - LANDSCAPING

Division 2 - Fertilizer-Friendly Use Ordinance

Town adopted the best management practices in the most recent edition of the "Florida-Friendly Best Management Practices for Protection of Water Resources by Green Industries."

Chapter 17 - STREETS, SIDEWALKS AND OTHER PUBLIC PLACES

Section 17-34. - Sodding of swale areas; certain parking prohibited; continuous maintenance; certain material prohibited

Prohibits parking in swale areas and requires the residential property owner to maintain the swale areas without obstruction

Section 17-35. - Paving prohibited

Paving of swale areas is prohibited

Section 17-42. - Swale area depression

Requires driveway accesses within the swale area to be depressed at a minimum of 4-feet from the street edge of pavement and 4 inches below the street pavement edge

Chapter 17.5 - SUBDIVISIONS AND PLATTING REGULATIONS

Section 17.5-33. - Drainage

Requires an adequate drainage system in all subdivisions for the positive drainage of storm and groundwater. The drainage system shall also provide for surface water affecting the subdivision

Section 17.5-38. - Sanitary sewers

Requires a complete sanitary sewage collection system for all subdivisions connected to the Town's sewage collection and transmission system in a manner approved by the Town

Section 17.5-58. - Drainage Design Requirements

All subdivisions must have comprehensive storm drainage facilities and designed using acceptable engineering principles

Chapter 23 - ZONING

Section 23-47. - Site plan requirements

Requires an erosion and sedimentation control plan, description of the proposed stormwater management system, location of off-site water resource facilities that will be incorporated into the proposed project, and runoff calculations in accordance with SFWMD methodology be submitted to the Town's PRC for review and approval

Section 23-92. to 23-103. - Zoning Districts

The open space requirement code for R1A is 30%. R1 60%, R3 60%, R15 60%, C1 40%, C2 40% Industrial 40%, I/F flexible Industrial 40%, MHP mobile home park 60%, MXD mixed use development 60%, MI mixed use industrial 40%, MW waterfront mixed use 40%.

Year 2, Review of Local Codes and Ordinances - Town of Lantana

Code Section

Description

YEAR 4 FOLLOW-UP REPORT ON YEAR 2 RECOMMENDATION OF CODE IMPLEMENTATION AND ENHANCEMENT:

The Year 2 review of the Town's Code of Ordinances was to analyze existing codes and identify areas of improvement with regards to stormwater practices with respect to new and redevelopment efforts within the Town.

As per the Year 2 review, the Town determined that no changes to the current Code of Ordinances was necessary at that time. As a follow-up, the Town is still in agreement with the Year 2 review conclusions and will continue to monitor land development regulations and local codes as necessary for future opportunities for improvement.