



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 checked="" type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
E.	Reporting Time Period (month/year): October / 2017 through September / 2018		
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
G.	E-mail Address: dmanzo@lantana.org		
	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): (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): (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

A.	<p>Provide a brief statement as to the status of water quality monitoring plan implementation. Status may include sampling frequency changes, monitoring location changes, or sampling waiver conditions. <i>DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.</i></p> <p>Name and date of the approved plan: Current approval of the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit). The Town of Lantana's Assessment Plan was submitted in September 2017.</p> <p>Status: The Group Monitoring Report is included in the Cycle 4 Joint Annual Report. The Town of Lantana's individual Assessment Plan is awaiting approval by FDEP.</p>
B.	<p>Provide a brief discussion of the monitoring and loading results to date which includes a summary of the water quality monitoring data and / or stormwater pollutant loading changes from the reporting year. <i>DEP Note: Results must be specific to the permittee's SWMP.</i></p> <p><i>Attached in Appendix C is a monitoring data summary and discussion.</i></p>
C.	<p>Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. <i>DEP Note: Analysis must be specific to the permittee's SWMP.</i></p> <p><i>Attached in Appendix C is a monitoring data summary and discussion.</i></p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$11,708
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$163,848
C.	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p> <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 checked="" type="checkbox"/>	<input 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	Appendix C Appendix D
<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 Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C.	Part III.A.1	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	Appendix A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> 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	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: TMDL Supplemental SWMP (if applicable).	Part VIII.B.3	

DO NOT SUBMIT ANY OTHER MATERIALS
(such as records and logs of activities, monitoring raw data, public outreach materials, etc.)

SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.F above must sign the following certification statement, as per Rule 62-620.305, F.A.C.:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Responsible Authority (type or print): Deborah Manzo

Title: Town Manager

Signature:  Date: 6/27/2019

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	4	12	50%	12	50%	Inspection Form for Structural Controls Retention / Detention Pond	Town of Lantana	
	Grass treatment swales (linear feet)	12,980	52	100%	0	100%	Town Contract with Republic Services, Inc.	Republic Services, Inc.	Town hired a private contractor to perform this work.
	Pollution control boxes	2	8	100%	0	100%	Drainage Inspection & Maintenance Report Form	Town of Lantana	PCB's are inspected quarterly as required by DEP (4 inspections of PCD #1 and 4 inspections of PCD #2)

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	
	Stormwater pump stations	2	6	100%	0	100%	Drainage Inspection & Maintenance Report Form	Town of Lantana	Each pump station was inspected 3 times during the reporting period
		Major outfalls	0	0	0%	0	0%	Drainage Inspection & Maintenance Report Form	Town of Lantana
	Weirs or other control structures		1	3	100%	2	100%	Drainage Inspection & Maintenance Report Form	Town of Lantana
		MS4 pipes / culverts (linear feet)	12,229	154	30%	44	30%	Drainage Inspection & Maintenance Report Form	Town of Lantana
	Inlets / catch basins / grates		128	154	80%	44	55%	Drainage Inspection & Maintenance Report Form	Town of Lantana
		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

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 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 30% inspections of drainage pipe annually. The dry detention BMPs are regularly inspected and mowed which includes trash pickup.				
	Limitations: Town contracted trash pick-up to Republic Services, Inc. this reporting period. This private contractor did not provide any reporting documentation for trash pick-up.				
	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	2	2017 / 2018 Drainage Permit Applications Log	Town Engineer	12 permit applications were reviewed during the reporting period and 10 were less than 1 acre
	Number of significant development projects approved	1	Approval Letter	Town Engineer	WTC Residential was approved during this reporting period. 224 N 3 rd Street was still under review at 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 checked="" type="checkbox"/>	Summary Report Attached in Appendix A	Town of Lantana	
Year 4 ONLY: Attach the follow-up report on plan implementation	<input type="checkbox"/>	N/A	N/A		
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.				

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
SWMP revisions implemented to address limitations: N/A					
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	N/A	N/A	Town hired a private contractor to perform this work.
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	0	N/A	N/A	Town hired a private contractor to perform this work.
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	0	N/A	N/A	Town hired a private contractor to perform this work.
	CONTRACTOR Litter Control: Frequency of litter collection	52, weekly	Town's Contract with Republic Services, Inc.	Republic Services, Inc.	
	CONTRACTOR Litter Control: Estimated amount of area maintained (sq. miles)	2.3	Town's Contract with Republic Services, Inc.	Republic Services, Inc.	
	CONTRACTOR Litter Control: Estimated amount of litter collected (gallons)	68,224	Town's Contract with Republic Services, Inc.	Republic Services, Inc.	Republic Services, Inc. picks up trash from 41 locations around the Town. Each location has a 32-gallon receptacle collected once per week.

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
	OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. If you do not participate in an Adopt-A-Road program, report "0".				
	Trash Pick-up Events: Total miles cleaned	1.8	Lantana Coastal Cleanup; Lantana International Coastal Cleanup; Lantana Beach Cleanups	Clerk Comptroller of PBC; Keep PBC Beautiful Organization; Town of Lantana	Town participated in International Coastal Cleanup on 12/11/17; Town participated in Great American Clean-up on 4/22/18; Town held beach cleanups on the second Wednesday of each month from April 2018 through September 2018
	Trash Pick-up Events: Estimated amount of litter collected (pounds)	139.3	Lantana Coastal Cleanup; Lantana International Coastal Cleanup; Lantana Beach Cleanups	Clerk Comptroller of PBC; Keep PBC Beautiful Organization; Town of Lantana	4.3 lbs. of litter was collected at the International Coastal Cleanup and 135 lbs. of litter was collected at the Great American Cleanup. No quantities of litter collected were reported for the Lantana Beach Cleanups.

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	
	Adopt-A-Road: Total miles cleaned	0			Did not participate	
	Adopt-A-Road: Estimated amount of litter collected (cy)	0				
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen and total phosphorus loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in column F.					
	Frequency of street sweeping	0	Town does not perform street sweeping. The street sweeping program was suspended due to lack of funding. The Town does not own any roadways that have curb and gutter.			
	Total miles swept	0				
	Estimated quantity of sweeping material collected (cy / tons)	0				
	Total phosphorous loadings removed (pounds)	0				
	Total nitrogen loadings removed (pounds)	0				
	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	Municipal Maintenance Yard Inspection Checklist	Public Works / WTP Staff	3 inspectors monitored the monthly general site, painting, vehicle maintenance and above ground storage tank respectively.		

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.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			
	Flood control projects completed that did <u>not</u> include stormwater treatment	0			
	Stormwater retrofit projects planned/under construction	0			None planned.
	Stormwater retrofit projects completed	0			
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				

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.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			No municipal maintenance yards / maintenance shops
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: 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 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			Town utilizes private contractor for pesticide / herbicide application
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	2	FDACS ID card	Jhonny Arango, Robert Alcantara	
	PERSONNEL: Green Industry BMP Program training completed	0	N/A		
	CONTRACTORS: Green Industry BMP Program training completed	3	Certificate of Training Green Industry BMP	Kenneth Sheppard, Pablo Medina, Robert	3 contractors have completed 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
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer			Alcantara	Green Industry BMP Training. Training was completed during previous reporting periods.
		2	FDACS ID Card	Kenneth Sheppard, Frank Robert Patterson	
	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	<input checked="" type="checkbox"/>	Ordinance No. O-23-2012	Town Council	Refer to Appendix B
	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. Both contractors have completed Green Industry BMP Program training.				
	Limitations: N/A				
	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	N/A	N/A		

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.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.				
	Proactive inspections for suspected illicit discharges	2 (Entire MS4)	Supervisor's Daily Spill Inspection Report; Drainage Inspection & Maintenance Report Form; Proactive Illicit Discharge / Illegal Connection Inspection Form	Public Works & WTP personnel	Maintenance Yard inspected monthly; Vehicle Maintenance, Streets, Grounds, Sports Complex, Facility Maintenance, Utility Building inspected each weekday.
	Illicit discharges found during a proactive inspection	5	Proactive Illicit Discharge / Illegal Connection Inspection Form	Public Works & WTP personnel	1/18/18: Reported Dune Deck Beach Dumpster had large piles of uncontained trash that is collecting in drainage to ICWW; 5/3/18: Same violation for Beach Dumpster as 1/18/18; 7/9/18: Reported 311 E. Ocean Ave. had a direct discharge line

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>NOV/WL/citation/fines issued for illicit discharges found during proactive inspection</p>	0			<p>into ICWW with evidence of chlorine; 7/17/18: Follow-up inspection for 311 E. Ocean Ave. reported that the discharge line is an overflow drain for the pool; 9/17/18: Reported 614 N. Dixie Hwy. had uncontained mulch in the ROW that was flowing into the stormwater system that empties into the ICWW</p> <p>No NOV/fines issued for illicit discharges 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>Reports of suspected illicit discharges received</p>	0	Telephone Log	Jerry Darr	
	<p>Reactive investigations of reports of suspected illicit discharges etc.</p>	0	N/A	N/A	
	<p>Illicit discharges etc. found during reactive investigation</p>	0	N/A	N/A	
	<p>NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation</p>	0	N/A	N/A	
	<p>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.</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
	Personnel trained	12	Employee Training Quizzes & Sign- In Sheet	In-House Training	Town utilized Excal Videos and held in- house training with public works and utilities staff.
	Contractors trained	0	N/A	N/A	Utilize trained in-house staff or Palm Beach County Fire / Rescue
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	Refer to Palm Beach County's Annual Report	Palm Beach County Fire / Rescue	
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	1	Stormwater Management for Oil and Gas Operations (D. Blom – 2016)	StormwaterONE	
	Contractors trained	0	N/A	N/A	Utilize trained in-house staff or Palm Beach County Fire / Rescue
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				

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
	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.			
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			
	Activity to reduce/eliminate SSOs and I&I: Repair / lining of sanitary sewer system (linear feet)	0	N/A	N/A	8,702 LF of sewer pipe, 205 manholes, and 3 sewer laterals were cleaned, lined and inspected during previous 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
	SSO incidents discovered		1	PBC Health Dept. Wastewater Spillage Report	Town	10/18/18: Sewer back- up/overflow at W. Oyster Lane due to vehicle damage to sewer clean- out
	SSO incidents resolved		1	PBC Health Dept. Wastewater Spillage Report	Town	The one SSO incident discovered was resolved on the day of occurrence
	Inflow / infiltration incidents discovered		0	N/A		
	Inflow / infiltration incidents resolved		0	N/A		
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 outfalls 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 is alert to look for illicit discharges. The Town has an established telephone hotline and information on its website for resident reporting of illicit connections. The RCRAInfo, TRI and CERCLIS databases are checked annually.					
	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	N/A	N/A
						No operating municipal landfill facilities in Town

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
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities		0	0	N/A	Palm Beach County	PBCo SWA Central Transfer Facility property annexed into Town boundary but does not discharge to Town's MS4.
	EPCRA Title III, Section 313 facilities (TRI)		0	0	N/A	N/A	No Section 313 facilities identified in Town
	Facilities determined as high risk by the permittee		0	0	N/A	Utilities & Public Works Staff	None found
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		RCRAInfo, TRI database, CERCLIS database	N/A	PBCo SWA Central Transfer Facility property annexed into Town boundary but does not discharge to 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 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		1		Construction Drawings	Town Staff	S. Lake Drive Force Main Replacement / S. 13 th Place Water Main Replacement

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
	PERMITTEE SITES: Construction site plans approved	1	Construction Contract	Town Staff	S. Lake Drive Force Main Replacement / S. 13 th Place Water Main Replacement
	PRIVATE SITES: Construction site plans reviewed	12	2017 / 2018 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	
	PRIVATE SITES: Construction site plans approved	11	2017 / 2018 Drainage Permit Applications Log	Town Building Dept., PRC and Town Engineer	
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	Notified of ERP stormwater permit requirements	1	2017 / 2018 Drainage Permit Applications Log	Town Engineer	WTC Residential
	Confirmed ERP coverage	1	2017 / 2018 Drainage Permit Applications Log	Town Engineer	WTC Residential
	Notified of CGP stormwater permit requirements	1	2017 / 2018 Drainage Permit Applications Log	Town Engineer	WTC Residential
	Confirmed CGP coverage	1	2017 / 2018 Drainage Permit Applications Log	Town Engineer	WTC Residential
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.				

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">PERMITTEE SITES: Active construction sites</p>	<p align="center">3</p>	<p align="center">Construction Contracts</p>	<p align="center">DBE Management, Inc.; Intercounty Engineering, Inc.; DBF Construction, Inc.</p>	<p align="center">Intracoastal Waterway Water Main Subaqueous Crossing; S. Atlantic Drive Water Main Replacement; S. Lake Drive Force Main Replacement / S. 13th Place Water Main Replacement</p>
	<p align="center">PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs</p>	<p align="center">245</p>	<p align="center">Construction Inspection Reports</p>	<p align="center">Mathews Consulting</p>	<p align="center">The Town contracted with MC to perform full-time inspection services (8 hours/ working day) for the Intracoastal Waterway Water Main Subaqueous Crossing project and part-time inspection</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
	<p>services (4 hours / working day) for the S. Atlantic Drive Water Main Replacement project and S. Lake Drive Force Main Replacement / S. 13th Place Water Main Replacement project</p>				
	<p>PERMITTEE SITES: Percentage of active construction sites inspected</p>	100%	Construction Inspection Reports	Mathews Consulting	
	<p>PRIVATE SITES: Active construction sites</p>	1	2017 / 2018 Drainage Permit Applications Log	Developer is utilizing a private firm for inspections	Water Tower Commons Residential was under construction during this reporting period
	<p>PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs</p>	0	0	Town Staff	Town completed the 3 required inspections of the Water Tower Commons Residential site, but no documentation of inspection was completed.
	<p>PRIVATE SITES: Percentage of active construction sites inspected</p>	100%	N/A		
	<p>Enforcement Action</p>	0	N/A	N/A	

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	12	DEP Stormwater Erosion and Sedimentation Control Inspector Training Program Certificate; In-House Training - Employee Training Quizzes & Sign- In Sheet	Town Staff D. Blom, A. Benjamin, S. Ralston, F. Furman, and C. Hinzey all completed the initial DEP Certification Training and the refresher training. 7 other public works and utilities staff attended the in-house annual refresher training.
	Permittee construction site plan reviewers		1	Stormwater Treatment Technologies Certificate of Completion (Mathews Consulting – M. Travis)	Town Engineer April 19, 2017
	Permittee construction site operators		0	N/A	N/A N/A
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The site inspectors are certified / trained and regularly inspect all construction sites. The proper forms are completed.				
	Limitations: Better follow-up by inspectors to check on identified deficiencies of Contractor BMPs.				
	SWMP revisions implemented to address limitations: There are rarely private construction sites that meet CGP requirements within the Town as the Town is mostly built-out. Town site inspectors are performing the required 3 inspections of these private sites, but documentation is lacking. The Town will utilize the Town's current Construction Site Inspection SOP and reporting form for reporting of these inspections for future reporting cycles.				

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"/>				(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				
	N/A		(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 2

Appendix A – Summary Review of Local Codes

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.

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

Review of Local Codes and Ordinances - Town of Lantana

Code Section

Chapter 9 - SOLID WASTE COLLECTION AND DISPOSAL

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

Section 9-12. - Special waste prohibitions

Chapter 10.5 - LANDSCAPING

Division 2 - Fertilizer-Friendly Use Ordinance

Chapter 17 - STREETS, SIDEWALKS AND OTHER PUBLIC PLACES

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

Section 17-35. - Paving prohibited

Section 17-42. - Swale area depression

Chapter 17.5 - SUBDIVISIONS AND PLATTING REGULATIONS

Section 17.5-33. - Drainage

Section 17.5-38. - Sanitary sewers

Section 17.5-58. - Drainage Design Requirements

Chapter 23 - ZONING

Section 23-47. - Site plan requirements

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

Description

Prohibits disposal of garbage within any storm sewer or waterway

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

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."

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

Paving of swale areas is prohibited

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

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

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

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

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

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%.

Review of Local Codes and Ordinances - Town of Lantana

Code Section

Description

RECOMMENDATION OF CODE IMPLEMENTATION AND ENHANCEMENT:

The 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. After review, the Town has determined that no changes to the current Code of Ordinances is necessary at this time. The Town will continue to monitor land development regulations and local codes as necessary for future opportunities for improvement.

Town of Lantana - NPDES Permit No. FLS000018 - Cycle 4, Year 2

Appendix B – Fertilizer Ordinance No. O-23-2012

ORDINANCE NO. O-23-2012

AN ORDINANCE OF THE TOWN OF LANTANA, FLORIDA, AMENDING CHAPTER 10.5.LANDSCAPING.BY REPEALING ARTICLE IV. LANDSCAPING REQUIREMENTS FOR ZONING DISTRICTS., IN ITS ENTIRETY, AND READOPTING SAME ALONG WITH TWO ENTIRELY NEW DIVISIONS TO BE ENTITLED "DIVISION 1. GENERALLY."AND "DIVISION 2.FERTILIZER FRIENDLY-USE ORDINANCE." TO PROVIDE FOR NEW FERTILIZER USE AND APPLICATION REGULATIONS IN THE TOWN LANDSCAPING CODE IN ORDER TO FOCUS ON EXCESSIVE NUTRIENT LEVELS IN PALM BEACH COUNTY WATER BODIES; PROVIDING FOR THE "FERTILIZER-FRIENDLY USE ORDINANCE" TITLE; PROVIDING FOR DEFINITIONS, FINDINGS, PURPOSE AND INTENT, APPLICABILITY, TIMING OF FERTILIZER APPLICATIONS, FERTILIZER FREE ZONES, FERTILIZER CONTENT AND APPLICATION RATES, FERTILIZER APPLICATION PRACTICES, MANAGEMENT OF GRASS CLIPPINGS AND VEGETATIVE MATTER, EXEMPTIONS, TRAINING, LICENSING OF COMMERCIAL APPLICATORS, ENFORCEMENT, PENALTIES AND APPEAL; PROVIDING A CONFLICTS CLAUSE; A SEVERABILITY CLAUSE, AND AUTHORITY TO CODIFY; PROVIDING AN EFFECTIVE DATE; AND FOR OTHER PURPOSES.

WHEREAS, pursuant to Section 303(d) of the federal Clean Water Act and the resulting Florida Impaired Waters Rule (Chapter 62-303, Florida Administrative Code), the Florida Department of Environmental Protection (FDEP) has classified specific water bodies in Palm Beach County as "impaired" as a result of the presence of excessive nutrients; and

WHEREAS, Florida Statute, Section 403.9337 requires local governments located within the watershed of a water body or water segment that is listed as impaired by nutrients pursuant to Florida Statute, Section 403.067, adopt an ordinance for Florida-Friendly™ fertilizer use on urban landscapes; and

WHEREAS, it is generally recognized that Eastern Palm Beach County soils naturally have adequate phosphorus content for most vegetative needs and that additional phosphorus is therefore only occasionally needed to create or maintain a vibrant landscape; and

WHEREAS, it has been recognized that proper application of slow-release nitrogen sources is more efficiently used by plants and less likely to leach or runoff; and

WHEREAS, this Ordinance is part of a regulatory program to address nonpoint sources of nutrient pollution which is scientifically based, and economically and technically feasible; and

WHEREAS, in the process of adoption of this Ordinance, the Town Council of the Town of Lantana has considered scientific information, including input from the Department of Environmental Protection, the Department of Agriculture and Consumer Services, and the University of Florida Institute of Food and Agricultural Sciences.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF LANTANA, FLORIDA, that:

Section 1: Chapter 10.5. Landscaping. of the Code of Ordinances of the Town of Lantana is hereby amended at Article IV. Landscaping Requirements for Zoning Districts. by repealing this Article in its entirety and readopting Article IV. with two new divisions to be entitled “Division 1. Generally.” and “Division 2. Fertilizer-Friendly Use Ordinance”; providing that Article IV. shall hereafter read as follows:

Article IV. Landscaping Requirements for Zoning Districts.

Division I. Generally.

Secs 10.5-41. — 10.5-42. (Shall remain the same as previously adopted.)

Secs. 10.5-43 — 10.5-~~55~~45. Reserved.

WHEREAS, the FDEP on the 2nd day of March 2011, issued its Palm Beach County Municipal Separate Storm Sewer System Permit No. FLESH 000018-003 (hereinafter referred to as the “MS4 Permit”) to forty-one (41) governmental entities including the Town of Lantana; and

WHEREAS, the MS4 permit requires local governments within the watershed of a nutrient impaired water body to adopt FDEP’s Model Ordinance for Florida Friendly Fertilizer Use on Urban Landscapes or an Ordinance that includes all the requirements set forth in the Model Ordinance; and

WHEREAS, surface water runoff and base flow runoff leaves residential neighborhoods, commercial centers, industrial areas, and other lands of Palm Beach County and enters into natural and artificial stormwater and drainage conveyances and natural water bodies in Palm Beach County; and

WHEREAS, phosphorus and nitrogen, the primary nutrients associated with the degradation of surface water, are commonly the primary components of fertilizer for turf and landscape application; and

WHEREAS, the quality of streams, lakes, and wetlands is important to environmental, economic, and recreational prosperity and to the health, safety, and welfare of the residents of Palm Beach County; and

WHEREAS, algae blooms and accelerated growth of aquatic weeds in Palm Beach County’s water bodies have heightened community concerns about water quality and eutrophication of surrounding waters; and

Division 2.Fertilizer-Friendly Use Ordinance.

Sec. 10.5-46. Title

This Division shall be known as the “Fertilizer-Friendly Use Ordinance” which is required to be adopted by Section 403.9337, Florida Statutes(2009), for any municipality located within the watershed of a water body or water segment that is listed as impaired by nutrients pursuant to Section 403.067, Florida Statutes(2009). Other related regulations concerning water quality and adopted in furtherance of the Town’s NPDES MS4 permit are set forth at Chapter 6. Buildings and Building Regulations. at Article X. Stormwater Management and Drainage. at Division 2. Stormwater Control. of the Town Code of Ordinances.

Sec. 10.5-47. Definitions.

For this Division, the following terms shall have the meanings set forth in this section unless the context clearly indicates otherwise.

“Application” or “Apply” means the actual physical deposition of fertilizer to turf or landscape plants.

“Applicator” means any person who applies fertilizer on turf and/or landscape plants in Town of Lantana.

“Approved Test” means a soil test from the University of Florida, government, or other commercial licensed laboratory that regularly performs soil testing and recommendations.

“Best Management Practices (BMP’s)” means turf and landscape practices or combination of practices based on research, field-testing, and expert review, determined to be the most effective and practical site-specific means, including economic and technological considerations, for improving water quality, conserving water supplies and protecting natural resources.

“Code Enforcement Officer”, “Official”, or “Inspector” means any designated employee or agent of Town of Lantana whose duty it is to enforce codes and ordinances enacted by the Town of Lantana.

“Commercial Fertilizer Applicator” except as provided in section 482.1562(9), F.S., means any person who applies fertilizer for payment or other consideration to property not owned by the person or firm applying the fertilizer or the employer of the applicators.

“Fertilizing” or “Fertilization” means the act of applying fertilizer to turf, specialized turf, or landscape plants.

“Fertilizer” means any substance or mixture of substances that contains one or more recognized plant nutrients and promotes plant growth, or controls soil acidity or alkalinity, or provides other soil enrichment, or provides other corrective measures to the soil.

“Institutional Applicator” means any person, other than a private, non-commercial or a Commercial Applicator (unless such definitions also apply under the circumstances), that applies fertilizer for the purpose of maintaining turf and/or landscape plants. Institutional Applicators shall include, but shall not be limited to, owners, managers, or employees of public lands, schools, parks, religious institutions, utilities, industrial or business sites and any residential properties maintained in condominium and/or common ownership.

“Landscape Plant” means any native or non-native tree, shrub, or groundcover (excluding turf).

“Pasture” means land managed for livestock grazing.

“Person” means any natural person, business, corporation, limited liability company, partnership, limited partnership, association, club, organization, and/or any group of people acting as an organized entity.

“Prohibited Application Period” means the time period during which a Flood Watch or Warning, a Tropical Storm Watch or Warning, or a Hurricane Watch or Warning is in effect for any portion of Town of Lantana, issued by the National Weather Service, or if heavy rain (2 inches or more within a twenty-four (24) hour period) is likely.

“Saturated Soil” means a soil in which the voids are filled with water. Saturation does not require flow. For the purposes of this Division, soils shall be considered saturated if standing water is present or the pressure of a person standing on the soil causes the release of free water.

“Slow-Release”, “Controlled Release”, “Timed Release”, “Slowly-Available”, or “Water Insoluble Nitrogen” means nitrogen in a form which delays its availability for vegetative uptake and use after application, or which extends its availability to the vegetation longer than a reference rapid or quick release product.

“Turf”, “Sod”, or “Lawn” means an area of grass-covered soil held together by the roots of the grass.

“Urban Landscape” means pervious areas on residential, commercial, industrial, institutional, highway rights-of-way, or other nonagricultural lands that are planted with turf or landscape plants. For the purposes of this section, agriculture has the same meaning as provided in section 570.02, Florida Statutes.

Sec. 10.5-48. Findings.

As a result of the Florida Department of Environmental Protection's determination that certain water bodies within Palm Beach County are impaired for excessive nutrient levels, the Town Council of the Town of Lantana finds that the best management practices contained in the most recent edition of the "Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries", are required in this Division.

Sec. 10.5-49. Purpose and Intent.

This Division regulates the proper use of fertilizers by any applicator; requires proper training of commercial and institutional fertilizer applicators; establishes training and licensing requirements; establishes a Prohibited Application Period; and specifies allowable fertilizer application rates and methods, fertilizer-free zones, and exemptions. This Division requires the use of Best Management Practices to minimize negative environmental effects associated with excessive nutrients in our water bodies. These environmental effects have been observed in and on Palm Beach County's natural and constructed stormwater conveyances, rivers, creeks, canals, lakes, estuaries and other water bodies. Collectively, these water bodies are an asset important to the environmental, recreational, cultural and economic well-being of Palm Beach County residents and the health of the public. Overgrowth of algae and vegetation hinder the effectiveness of flood attenuation provided by natural and constructed stormwater conveyances. Regulation of nutrients, including both phosphorus and nitrogen contained in fertilizer, is anticipated to help improve and maintain water and habitat quality.

Sec. 10.5-50. Applicability.

This Division shall be applicable to and shall regulate any and all applicators of fertilizer and areas of application of fertilizer to urban landscapes within the area of the Town of Lantana unless such application is specifically exempted by Sec. 10.5-56. of this Division. This Division shall be prospective only, and shall not impair any existing contracts.

Sec. 10.5-51. Timing of Fertilizer Applications.

(a) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to turf and/or landscape plants during the Prohibited Application Period or to saturated soils.

(b) Fertilizer containing nitrogen and/or phosphorus shall not be applied before seeding or sodding a site, and shall not be applied for the first thirty (30) days after seeding or sodding, except when hydro-seeding for temporary or permanent erosion control in an emergency situation (wildfire, etc), or in accordance with the Stormwater Pollution Prevent Plan for that site.

Sec. 10.5-52. Fertilizer Free Zones.

Fertilizer shall not be applied within ten (10) feet, or three (3) feet if a deflector shield or drop spreader is used, of any pond, stream, water body, lake, canal, or wetland as defined by the Florida Department of Environmental Protection at Chapter 62-340, *Florida Administrative Code*, or from the top of a seawall or lake bulkhead. Newly planted turf or landscape plants may be fertilized in this zone only for a sixty (60) day period beginning thirty (30) days after planting if needed to allow the vegetation to become well established. Caution shall be used to prevent direct deposition of fertilizer into the water.

Sec. 10.5-53. Fertilizer Content and Application Rates.

(a) Fertilizers applied to turf within the Town of Lantana shall be applied in accordance with requirements and directions provided by Rule 5E-1.003(2), *Florida*

Administrative Code, Labeling Requirements For Urban Turf Fertilizers. Under Rule 5E-1.003(2), Florida Administrative Code, required application rate and frequency maximums, which vary by plant and turf types, are found on the labeled fertilizer bag or container.

(b). Nitrogen or phosphorus fertilizer shall not be applied to turf or landscape plants except as provided in section (1) above for turf, or in UF/IFAS recommendations for landscape plants, vegetable gardens, and fruit trees and shrubs, unless a soil or tissue deficiency has been verified by an approved test.

(c). Fertilizer used for sports turf at golf courses shall be applied in accordance with the recommendations in “Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses”, published by the Florida Department of Environmental Protection, dated January 2007, as may be amended. Fertilizer used at park or athletic fields shall be applied in accordance with Rule 5E-1.003(2), Florida Administrative Code.

Sec. 10.5-54. Fertilizer Application Practices.

(a). As required in Sec. 10.5-52.of this Division, spreader deflector shields shall be used when fertilizing via rotary (broadcast) spreaders. Deflectors must be positioned such that fertilizer granules are deflected away from all impervious surfaces, fertilizer-free zones and water bodies, including wetlands. Any fertilizer applied, spilled, or deposited, either intentionally or accidentally, on any impervious surface shall be immediately and completely removed to the greatest extent practicable.

(b). Fertilizer released on an impervious surface must be immediately contained and either legally applied to turf or any other legal site, or returned to the original or other appropriate container.

(c). In no case shall fertilizer be washed, swept, or blown off impervious surfaces into stormwater drains, ditches, conveyances, or water bodies.

(d). Property owners and managers are encouraged to use an Integrated Pest Management (IPM) strategy as currently recommended by the University of Florida Cooperative Extension Service publications.

Sec. 10.5-55. Management of Grass Clippings and Vegetative Matter.

In no case shall grass clippings, vegetative material, and/or vegetative debris intentionally be washed, swept, or blown on to or into stormwater drains, ditches, conveyances, water bodies, wetlands, sidewalks or roadways. Vegetative material may be placed within the roadway right-of-way, but not over the storm drains, for pickup by the municipality's vegetative waste hauler.

Sec. 10.5-56. Exemptions.

The provisions set forth above in this Division shall not apply to the following:

(a). bona fide farm operations as defined in the Florida Right-to-Farm Act, Section 823.14, Florida Statutes;

(b). other properties not subject to or covered under the Florida Right-to-Farm Act that have pastures used for grazing livestock; and

(c). any lands used for bona fide scientific research, including, but not limited to, research on the effects of fertilizer use on urban stormwater, water quality, agronomics, or horticulture.

Sec. 10.5-57. Training.

(a). All commercial and institutional applicators of fertilizer within the Town of Lantana shall abide by and successfully complete the six-hour training program in the "Florida-Friendly Best Management Practices for Protection of Water Resources by the Green

Industries” offered by the Florida Department of Environmental Protection through the University of Florida/Palm Beach County Cooperative Extension Service “Florida-Friendly Landscapes” program or an approved equivalent program.

(b). Non-commercial and non-institutional applicators not otherwise required to be certified, such as private citizens on their own residential property, are encouraged to follow the recommendations of the University of Florida/IFAS “Florida-Friendly Landscape Program” and label instructions when applying fertilizers.

Sec. 10.5-58. Licensing of Commercial Applicators.

(a). All businesses applying fertilizer to turf or landscape plants (including, but not limited to, residential lawns, golf courses, commercial properties, and multi-family and condominium properties) must ensure that the business owner or his/her designee holds the appropriate “Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries” training certificate prior to the business owner obtaining a Local Business Tax Certificate. Owners for any category of occupation which may apply any fertilizer to Turf and/or Landscape Plants shall provide proof of completion of the program to the Town of Lantana. It is the responsibility of the business owner to maintain the “Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries” certificate to receive their Business Tax Receipt annually.

(b). After December 31, 2013, all commercial applicators of fertilizer within the Town of Lantana shall have and carry in their possession at all times when applying fertilizer, evidence of certification by the Florida Department of Agriculture and Consumer Services as a Commercial Fertilizer Applicator per Rule 5E-14.117(18), Florida Administrative Code.

(c). All businesses applying fertilizer to turf and/or landscape plants (including, but not limited to, residential lawns, golf courses, commercial properties and multi-family and condominium properties) must ensure that at least one (1) employee has an appropriate “Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries” training certificate prior to the business owner obtaining a Local Business Tax Certificate. Standard Business Tax Receipt (BTR) and transaction fees shall apply.

Sec. 10.5-59. Enforcement; Penalties; Appeal.

(a). Enforcement. The provisions of this Division shall be enforced by the Town of Lantana Special Magistrate pursuant to the authority granted by Section 162.01 et. seq., Florida Statutes, as may be amended and the Town of Lantana through its authority to enjoin and fine any person violating its Code of Ordinances. The Town Development Services Director or designee may pursue these or any other enforcement remedies available to and applicable to the Town of Lantana under applicable law.

(b). Penalties. Failure to comply with the requirement of this Division shall constitute a violation of this Division and each new day the violation exists it is considered a separate incident. Fines shall be determined by considering the factors set forth at Sec. 162.09, Florida Statutes, and shall not exceed the amounts listed in this section of the state law.

(c). Disposition of Penalty Funds. Funds generated by penalties imposed under this Division shall be used by the Town of Lantana for the administration and enforcement of Section 403.9337, Florida Statutes, and the corresponding Sections of this Division, and to further water conservation and nonpoint pollution prevention activities.

(d) Appeals. Appeals of administrative orders of the Special Magistrate shall be as provided under state law, which process is also set forth at Sec. 2-56. of the Town Code of Ordinances.

Secs. 10.5-60.— 10.5-65. **Reserved.**

Section 2: Each and every other section and subsection of Chapter 10.5, Landscaping shall remain in full force and effect as previously enacted.

Section 3: All Ordinances or parts of Ordinances in conflict herewith be and the same are hereby repealed.

Section 4: Should any Section or provision of this Ordinance or any portion thereof, any paragraph, sentence or word be declared by a court of competent jurisdiction to be invalid, such decision shall not affect the validity of the remainder of this Ordinance.

Section 5: Specific authority is hereby granted to codify and incorporate this Ordinance into the existing Code of Ordinances of the Town of Lantana.

Section 6: This Ordinance shall take effect immediately upon adoption.


INTRODUCED AND READ this 26th day of November, 2012.

PASSED AND ADOPTED ON SECOND READING this 10th day of December, 2012.

TOWN OF LANTANA

Aye

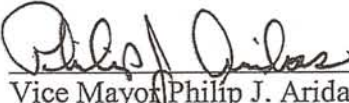
Nay



Mayor David J. Stewart

Aye

Nay



Vice Mayor Philip J. Aridas

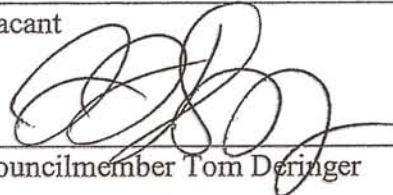
Aye

Nay

Vacant

Aye

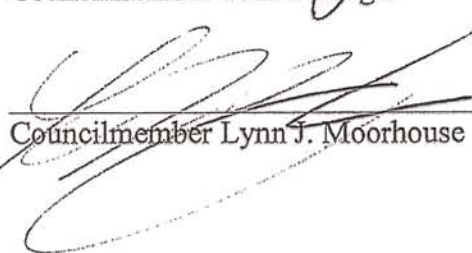
Nay



Councilmember Tom Deringer

Aye

Nay



Councilmember Lynn J. Moorhouse

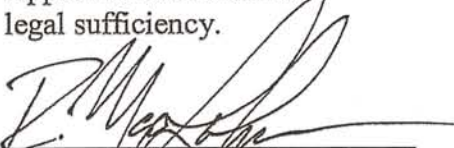
ATTEST:



TOWN CLERK

(SEAL)

Approved as to form and
legal sufficiency.



TOWN ATTORNEY

Town of Lantana - NPDES Permit No. FLS000018 - Cycle 4, Year 2

Appendix C – Section III. Part V.B. & Part V.C. Assessment Program

Town of Lantana
MS4 Permit No. FLS000018-004
Cycle 4, Year 2
Section III. Part V.B.
Assessment Program
Summary

Background

The Town of Lantana’s Assessment Program is currently awaiting FDEP approval. 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 2 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). A summary of the historical trends for total phosphorous samples at monitoring station LWL-13 is included in Part C.

**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

Part B – Pollutant Loading Estimate Summary

The Palm Beach County MS4 permittee group will be developing pollutant loading estimates during the 3rd year of this permit cycle, using the SIMPLE protocol.

During Year 2 of this permit cycle, the Town of Lantana reviewed and provided the following updated information to the Palm Beach County MS4 permittee group:

- MS4 contributing areas to each receiving water
- Town extents
- Land Uses
- Water Quality Best Management Practices (BMPs)

The group’s estimated pollutant loading results will be provided to the Town of Lantana for use in the Year 3 Assessment Report Summary.

Part C – Evaluation and Response Summary

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 2018. This historical sampling data will be compared to the Numeric Nutrient Criteria for the Southern Lake Worth Lagoon as shown in **Table 1** 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

Table 2 shows the specific total phosphorous sampling data at monitoring site LWL-13 for the Cycle 4, Year 2 Reporting Period. The calculated geometric mean for total phosphorous for this reporting period at monitoring station LWL-13 is 0.0425 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 Phosphorous Samples for Cycle 4, Year 2

LWL-13	Monitoring Parameter
Date	Phosphorous, Total (mg/L)
10/18/2017	0.042
12/12/2017	0.022
1/30/2018	0.014
6/20/2018	0.052
7/11/2018	0.042
8/22/2018	0.027
9/19/2018	0.033

Part D – Cycle 4, Year 2 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 2 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 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 2

Appendix D – Revised Standard Operating Procedures (SOPs)

Pipes/Culverts and Inlets/Manholes – Structural Control Inspection Standard Operational/Maintenance/Documentation Protocol

There are approximately 12,300 linear feet of pipe/culvert that are part of our MS4. The locations are shown on the *NPDES MS4 Drainage System Map*. This value and the locations on the map do NOT include exfiltration trench, which is catalogued separately.

There are 122 inlets/catch basins/manholes that are part of our MS4. Their locations are also shown on the *NPDES MS4 Drainage System Map*. Each structure has a unique identification. This information is stored on hardcopy maps of the system.

Inspections:

At least 10% of the total number of linear feet of pipe/culvert is inspected each year. The inlets, catchbasins, and manholes associated with a pipe/culvert system are inspected concurrently. Visual inspections are conducted in accordance with the checklist/procedure that follows. A sample inspection form is attached. The inspections are rotated through the systems associated with the numbered outfalls and the BMP Areas. In order to inspect the entire system over a 10 year period, the following schedule is proposed:

Year 1 (2012):	Outfall 1 structures and associated pipe.
Year 2 (2013):	Outfall 2 structures and associated pipe.
Year 3 (2014):	Outfall 6 structures and associated pipe.
Year 4 (2015):	Outfall 7 structures and associated pipe.
Year 5 (2016):	Outfall 8 & 9 structures and associated pipe.
Year 6 (2017):	Outfall 10, 11, 12 & 13 structures and associated pipe.
Year 7 (2018):	Outfall 14, 15, 16, and BMP A structures and associated pipe.
Year 8 (2019):	BMP C one-half the structures and associated pipe.
Year 9 (2020):	BMP C one-half the structures and associated pipe.
Year 10 (2021):	BMP D structures and associated pipe.

If warranted, as a result of the visual inspection, a work order for maintenance, repair, or a more detailed pipe or structure investigation is generated. A more detailed investigation may include televising the pipe, or using mirrors or other devices, as appropriate, to determine the condition of the pipe/culvert.

Maintenance:

There are several maintenance activities that may be associated with stormwater networks. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.
5. Repair/replace the headwall at the end of the pipe, if applicable.
6. Repair/replace pipe or structure, if needed.

The attached form shall be completed as appropriate for the maintenance work completed.

Drainage Inspection & Maintenance Report Form

Date: _____ Inspector: _____

Location: (Identify swale or drain location by reference point and location of the problem. Provide sketch if needed.)

Type of problem or maintenance:

Trash _____ Minor _____ Obstruction _____ Generator Maintenance _____

Recommended Maintenance: _____

Is equipment needed: _____ If so, list the equipment needed: _____

Adjacent Pipe Inspection N _____ S _____ E _____ W _____

Pipe between Structure # _____ & Structure # _____

Outfall Inspected? Yes _____ No _____ N/A _____

Evidence of settling above pipe alignment? Yes _____ No _____

Sediment accumulation in pipe? Yes _____ No _____

Pump Station with Pollution Control Device (PCD) Inspected? Yes _____ No _____ N/A _____
If yes, quantity of material collected from PCD _____ pounds (lbs)

Date: _____ Right of Entry needed: _____

Work Order Description:

Date: _____ Work Performed by: _____

Maintenance Performed:

Use other side for additional recommendations for this site.

Dry Retention/Detention System – Structural Control Inspection Standard Operational/Maintenance/Documentation Protocol

There are 4 dry retention systems that are part of our MS4; they are BMP A – Costco; BMP C – Maddock Retention Pond; BMP D – Sea Pines and BMP E – Water Treatment Plant (WTP). Refer to the *NPDES MS4 Drainage System Map*.

Inspections:

Established dry retention system is inspected once every three years, using the following Inspection Form for Structural Controls Retention/Detention Pond. In addition, they are observed for problems that may impact their functionality whenever they are mowed.

New dry detention/retention systems are inspected annually for the first two years of operation.

If chronic problems are identified with a dry detention/retention system, it is inspected annually until the problem is resolved (two consecutive annual inspections without an issue).

Inspections are conducted close to the storage recovery time of that dry detention/retention system (generally 72 hours after a significant rainfall event) to verify that the system still functions as intended.

The next anticipated inspection schedule is during 2013.

Maintenance:

There are several maintenance activities that may be associated with a dry detention/retention system. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Mow grass.
2. Remove trash and debris from system and dispose of properly.
3. Remove accumulated sediment from the inflow pipe and dispose of properly.
4. Eliminate any mosquito breeding habitats.
5. Repair any undercutting or piping around inflow structure.
6. Repair and re-establish any eroded areas on the bottom, side slopes, and/or near inflow structure.
7. Scrape, disc, or otherwise aerate the bottom of the detention/retention area to restore the infiltration capacity. Include soil testing, as needed, to verify that the infiltration capacity has been restored. Re-established the surface to its final condition (seed, sod, etc...)

The attached form shall be completed as appropriate for the inspection and maintenance work completed.

Inspection Form for Structural Controls Retention/Detention Pond

Date: _____

Location:	<input type="checkbox"/> BMP A – Costco <input type="checkbox"/> BMP C – Maddock / Sea Pines <input type="checkbox"/> BMP F – Sports Facility <input type="checkbox"/> BMP D – Julia Heights <input type="checkbox"/> BMP E – WTP - 510 W. Pine St.
Receiving Body:	
Weather:	
Rainfall within previous 72 hours:	<input type="checkbox"/> yes <input type="checkbox"/> no If yes, was retention/detention area dry within 72 hours following storm event? <input type="checkbox"/> yes <input type="checkbox"/> no
Water Level:	
Littoral Shelf:	
Side Slopes:	
Erosion:	
Sediments:	
Vegetation:	
Debris:	
Other:	
Condition:	
Inflow Structure:	
Control Structure:	
Comments:	
Recommendations:	
Inspected By:	

Vicinity inspected for indication of illicit discharges: ___ Yes ___ No

Signs of Excessive Petroleum Hydrocarbon Contamination: ___ Yes ___ No

Litter Control Program

The Litter Control Program for the Town of Lantana consists of:

- A private contractor collecting and disposing of trash from approximately 45–41 trash receptacle sites along the roadways, within swales and at bus stops. Refer to the attached Litter Collection at Town of Lantana Bus Stops and Swales form for specific locations.
- The frequency of collection is every week.
- The private contractor collects and disposes of trash from 41 locations around the Town. Each location has a 32-gallon receptacle collected once per week.
- All collected litter is properly disposed of at the SWA Central County Transfer Station, 1810 Lantana Road.
- In accordance with code/resolution/etc., litter control on public streets, roadways, and rights-of-way is the responsibility of the adjacent property owner. Town of Lantana code enforcement officers will issue notices of violation to property owners who do not comply with the applicable code.

Litter Collection at Town of Lantana Bus Stops

Date: _____

Location of Bus Stops	# of 32 Gallon Trash Receptacles	Average Volume of Litter in lbs.	Litter Collected at Bus Stop in lbs.	Total Litter Collected at all Town Bus Stops
Lantana Rd. & Andrew Redding Rd.				
Lantana Rd. & 13 th Street				
Lantana Rd. & Holy Spirit Church				
Lantana Rd. & at Sports Complex				
Lantana Rd. & N. 8 th St. South Side				
Lantana Rd. & N. 8 th St. North Side				
Lantana Rd. & Broadway South Side				
Lantana Rd. & Broadway North Side				
Lantana Rd. & N. 3 rd St. South Side				
Lantana Rd. & N. 3 rd St. North Side				
Broadway & Ocean Ave. West Side				
Broadway & Pine St. East Side				
Broadway & Branch St. West Side				
Broadway & Branch St. East Side				
Broadway & Greynolds Cir. East Side				
Broadway & Jennings St. West Side				
Broadway & Garnett St. West Side				
Broadway & Lyndon Ln. West Side				
Broadway & Hypoluxo Rd. East Side				
Total Collected				

Litter Collection on Town of Lantana Swales

Date: _____

Location of Swales	# of 32 Gallon Trash Receptacles Filled (Average 30 lbs.)	Average Volume of Litter in lbs.	Other Than Receptacles - Trash Collected In lbs.
W. Hardy & S. 14 th St. (trash receptacle only)			
13 th St. & No. Ocean Ave. (trash receptacle only)			
W. Drew & S. 12 th St. (trash receptacle only)			
3 rd St. & W. Pine St. (trash receptacle only)			
Ocean Ave. & N. Oak St. (trash receptacle only)			
Ocean Ave. & S. Oak St. (trash receptacle only)			
Ocean Ave. & N. Lake Dr. (trash receptacle only)			
Ocean Ave. & S. Lake Dr. (trash receptacle only)			
Ocean Ave. & between S. Oak & S. Lake Dr. (trash receptacle only)			
Ocean Ave. & Sportsman's Park (trash receptacle only)			
Ocean Ave. & Bicentennial Park (trash receptacle only)			
Total Trash Collected in lbs.			

Pesticide, Herbicide & Fertilizer Minimization Procedures

In accordance with our MS4 permit, the Town of Lantana continues to endeavor to minimize its use of pesticides, herbicides, and fertilizers on public property. The procedures used to achieve this are as follows:

Pesticides & Herbicides

Only personnel and contractors who have proof of certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for the application of pesticides and herbicides, are allowed to apply these products.

Fertilizers

(By January 1, 2014), All personnel and contractors who apply fertilizers must demonstrate proof of training through the Green Industry BMP Program. In addition, contracted applicators are required to prove certification for "urban landscape commercial fertilizer application."

Until January 1, 2014, personnel will continue to receive annual training on the proper application practices for fertilizers.

Annually, or more often, training on the proper storage and handling of these products is provided to all relevant personnel. Typically, relevant personnel are required to attend the Palm Beach County joint training event where EXCAL employee training videos on stormwater pollution prevention are shown.

A list is maintained of all personnel and contractors who have received training, licensing, certification, and annual refresher training.