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 Hypoluxo		
B.	Permit Name: Palm Beach County MS4		
C.	Permit Number: FLS000018-004		
D.	Annual Report Year: ☐ Year 1 ☒ Year 2 ☐ Year 3 ☐ Year 4 ☐ Year 5 ☐ Other, specify Year:		
E.	Reporting Time Period (month/year): October / 2017 through September / 2018		
F.	Name of the Responsible Authority: Michael C. Brown		
	Title: Mayor		
	Mailing Address: 7580 South Federal Highway		
	City: Hypoluxo	Zip Code: 33462	County: Palm Beach
	Telephone Number: (561) 582-0155	Fax Number: (561) 582-0703	
	E-mail Address: mcbrown@hypoluxo.org		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Leonard G. Rubin		
	Title: Town Attorney		
	Department: Leonard G. Rubin, P.A.		
	Mailing Address: 701 Northpoint Parkway, Suite 209		
	City: West Palm Beach	Zip Code: 33407	County: Palm Beach
	Telephone Number: (561) 721-1683	Fax Number: (561) 686-8764	
	E-mail Address: lgrubin@bellsouth.net		

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

SECTION III.	PART V.B. ASSESSMENT PROGRAM
A.	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. *DEP Note: If permittee participates in a collaborative monitoring plan, permittee may refer to a joint response as defined by the interlocal agreement.* Name and date of the approved plan: Current approved plan for the Group Monitoring Plan is September 8, 2016 (with issuance of the Cycle 4 permit). Our newly-developed, individual Assessment Plan was submitted in September 2017, Status: The Group Monitoring Report is included in the Cycle 4, Year 1 Joint Annual Report. The Town's individual Assessment Plan was approved by FDEP on January 9, 2019.
B.	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. *DEP Note: Results must be specific to the permittee's SWMP.* Please refer to the Cycle 4, Year 1 Joint Annual Report for a summary of the Group's water quality monitoring results for the reporting period. Refer to the Cycle 3, Year 6 Joint Annual Report for proposed pollutant loading analysis changes. The best available information on existing pollutant loading estimates is documented in the Cycle 3, Year 3 Joint Annual Report.
C.	Attach a monitoring data summary as required by the permit. An analysis of the data discussing changes in water quality and/or stormwater pollutant loading from previous reporting years. *DEP Note: Analysis must be specific to the permittee's SWMP.* See Attachment 1 (Water Quality Monitoring Report)

SECTION IV.	FISCAL ANALYSIS
A.	Total expenditures for the NPDES stormwater management program for the current reporting year: $7,500.00
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: $8,500.00
C.	Did the current reporting year resources decrease from the previous year? Y ☐ / N ☒ If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.

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
☐	☒	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	
☐	☒	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
☐	☒	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	
☒	☐	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	Attachment 1 Water Quality Monitoring Report
☐	☒	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	
☒	☐	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	Attachment 2 Land Development Regulations and Code Review Aimed at Low Impact Design and other Innovative Design Techniques
☐	☒	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	
☐	☒	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
☐	☒	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
☐	☒	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	
☐	☒	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
☐	☒	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. • The monitoring plan (with revisions, if applicable). • If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.	Part V.B.3 Part V.A.3	
☐	☒	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): Michael C. Brown

Title: Mayor

Signature: Michael Brown Date: 03 / 20 / 19

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									
	Report the current known inventory. Report the number of inspection and maintenance activities conducted for each applicable type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. *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.*									
	Type of Structure	**Number of Structures**	**Number of Inspections**	**Percent Inspected**	**Number of Maintenance Activities**	**Percent Maintained**				
	Dry retention systems	1.5 miles	9	100	0	0		Inspection Report	Building Official	
	Pipes / culverts (miles)	300 feet	2	100	0	0		Inspection Report	Building Official	
	Inlets / catch basins / grates	6	9	100	0	0		Inspection Report	Building Official	
	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.									

SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE				
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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Routine inspections assist in identifying areas that may be developing a problem				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.2	**Areas of New Development and Significant Redevelopment**				
	Report the number of significant development projects, including new and redevelopment, reviewed and approved by the permittee for post-development stormwater considerations.				
	Number of significant development projects reviewed	0	Site Plan	Building Official	No projects
	Number of significant development projects approved	0	Site Plan	Building Official	No projects
	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	☒			Attachment 2
	Year 4 ONLY: Attach the follow-up report on plan implementation	☐			
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Works in conjunction with South Water Management District requirements to upgrade system when necessary				
	Limitations: None				
	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. *Note: If the permittee does not contract activities, delete CONTRACTOR activities.*				
	PERMITTEE Litter Control: Frequency of litter collection	Monthly	Inspection Form	Individual Property Owners and Residents	Property owners are responsible for removal of trash in swales per Town Code
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	1.5 miles	Town Map	Town Officials	
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	0			No litter collected
	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	0	N/A	N/A	No events
	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	N/A	N/A	No events
	Adopt-A-Road: Total miles cleaned	0	N/A	N/A	No program needed
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	N/A	N/A	No program

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
					needed
	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	N/A	N/A	Roadway system within MS4 has no curbing
	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**			
		0	N/A	N/A	No facilities
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Town performs litter clean up on monthly basis. No street sweeping program due to lack of curbing within MS4				
	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	N/A	N/A	Town essentially built-out – no projects or retrofits planned
	Flood control projects completed that did <u>not</u> include stormwater treatment	0			N/A
	Stormwater retrofit projects planned/under construction				N/A
	Stormwater retrofit projects completed	0			Town essentially built-out – no projects or retrofits planned
	If there were projects that did not include stormwater treatment, provide as an	0			N/A

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	attachment a list of the projects and an explanation for each of why it did not.				
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: MS4 has functioning stormwater system within built-out single-family neighborhoods				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
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	N/A	N/A	No facilities
Part III.A.5 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: N/A (Town has no such facilities)				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.6	**Pesticides, Herbicides, and Fertilizer Application**				
	Report the number of permittee personnel applicators and contracted commercial 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			Service contracted out
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	1	State license	Gonzalez Lawn and Landscape	
	PERSONNEL: Green Industry BMP Program training completed	0			Service contracted out
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	1	State license	Gonzalez Lawn and Landscape	
	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	☒	Adopted Ordinance		MS4 Website
	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			

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
		the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Newspapers & newsletters: Number of articles/notices published	1	Newsletter	Town of Hypoluxo	Mailed to residents
	Newsletters: Number of newsletters distributed	2,000	Newsletter	Town of Hypoluxo	Mailed to residents
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1	Town Hall Display Rack	Town Clerk	
	Number of visitors to stormwater-related pages	Unknown	Website	Town Clerk	Link to Fertilizer Ordinance on Website
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Ensures applicators have received training in proper application				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.7.a	**Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures**				
	Report amendments in Year 4.				
	Year 4 ONLY: Attach a report on amendments to applicable legal authority	☐			
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	0	Inspection Form	Town Staff	
	Illicit discharges found during a proactive inspection	0	Inspection Form	Town Staff	
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0			None issued
	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.				
	Reports of suspected illicit discharges received	0			None reported
	Reactive investigations of reports of suspected illicit discharges etc.	0			None
	Illicit discharges etc. found during reactive investigation	0			None found
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0			None issued
	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	Attendance Sheet	PBC Steering Committee	Power Point and Video

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					Presentation
	Contractors trained	0			N/A
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	Confirmation e-mail from City of Boynton Beach	Boynton Beach Fire Rescue	None
	Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training) within the reporting year.				
	Personnel trained	1	Attendance Sheet	PBC Steering Committee	Power Point and Video Presentation
	Contractors trained	0			N/A
Part III.A.7.e	**Illicit Discharges and Improper Disposal — Public Reporting**				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
	Newspapers & newsletters: Number of articles/notices published	1	Newsletter	Town of Hypoluxo	Mailed to Residents
	Newsletters: Number of newsletters distributed	2,000	Newsletter	Town of Hypoluxo	Mailed to residents
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1	Town Hall Display Rack	Town Clerk	
	Number of visitors to stormwater-related pages	Unknown	Website	Town Clerk	Public Reporting information and telephone number on Town Website
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).				

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	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.			
	Newspapers & newsletters: Number of articles/notices published	1	Newsletter	Town of Hypoluxo	Mailed to Residents
	Newsletters: Number of newsletters distributed	2,000	Newsletter	Town of Hypoluxo	Mailed to residents
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1	Town Hall Display Rack	Town Clerk	
	Number of visitors to stormwater-related pages				
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	City of Boynton Beach			
	Activity to reduce/eliminate SSOs and I&I: (description)	0			Sanitary sewers along Park Lane East installed approximately 10 years ago and sanitary sewers installed along Lucina, Neptune and Periwinkle Drives approximately 15 years ago
	Activity to reduce/eliminate SSOs and I&I: (description)	0			N/A
	SSO incidents discovered	0			N/A
	SSO incidents resolved	0	Confirmation e-mail from City of Boynton Beach	City of Boynton Beach	None discovered
	Inflow / infiltration incidents discovered	0			N/A
	Inflow / infiltration incidents resolved	0	Confirmation e-mail from City of Boynton	City of Boynton Beach	None discovered

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			Beach		
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: System in place to discover illicit discharges. Reporting information at Town Hall and on website.				
	Limitations: Difficult to identify violators				
	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			No landfills
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0			No hazardous waste facilities
	EPCRA Title III, Section 313 facilities (TRI)	0			No EPRCA facilities
	Facilities determined as high risk by the permittee	0			None
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				
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: N/A (Town has no such facilities)				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.9.a	**Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**				
	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.				
	PERMITTEE SITES: Construction site plans reviewed	0			No construction plans reviewed during permit period
	PERMITTEE SITES: Construction site plans approved	0			N/A

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	PRIVATE SITES: Construction site plans reviewed	0			No private construction plans reviewed
	PRIVATE SITES: Construction site plans approved	0			N/A
	Report the number of development permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage.				
	Notified of ERP stormwater permit requirements	0			None
	Confirmed ERP coverage	0			N/A
	Notified of CGP stormwater permit requirements	0			None
	Confirmed CGP coverage	0			N/A
Part III.A.9.b	**Construction Site Runoff — Inspection and Enforcement**				
	Report on the inspection program for privately-operated and permittee-operated construction sites, including the number of active construction sites during the reporting year, the number of inspections of active construction sites, the percentage of active construction sites inspected, and the number and type of enforcement actions / referrals taken.				
	PERMITTEE SITES: Active construction sites	0			No active construction sites
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			N/A
	PERMITTEE SITES: Percentage of active construction sites inspected	0			N/A
	PRIVATE SITES: Active construction sites	0			No active construction sites
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0			N/A
	PRIVATE SITES: Percentage of active construction sites inspected	0			N/A
	Enforcement Action	0			None
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	**0**	0	None	PBC Steering Committee	Will attend future training
Permittee construction site plan reviewers		1	Certificate	PBC Steering Committee	Course completed by Mike Crisafulle (2013)
Permittee construction site operators		0	N/A	N/A	No such activities within

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					the Town
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Program in place to address site runoff; however, no construction activities within MS4				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				

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			☐ / ☐		1		*(Year 3 AR)*	*(Year 4 AR; N/A) if BPCP)*
			☐ / ☐					
			☐ / ☐					

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):

No discharge to a TMDL WBID at the time of permit issuance.

Town of Hypoluxo
(NPDES Stormwater Permitting Program)

'Water Quality Monitoring Report'

(submitted as **Attachment 1** to the Town of Hypoluxo, Florida Permit Year 2, Fourth Term Annual NPDES Report)

Prepared by JLH Associates
March 2019

'Water Quality Monitoring Report'

Introduction

The Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permit is part of a federal program designed to reduce stormwater pollutant discharges to receiving waters of the United States. In 1987, the United States Environmental Protection Agency (EPA) was required under Section 402(p) of the Clean Water Act to develop the NPDES. In 1997, the first 5 year permit (No. FL000018) was issued by EPA to Palm Beach County's permittees. Hypoluxo is one of the joint permittees of this permit under an Interlocal Agreement with Northern Palm Beach County Improvement District. In 2001, the Florida Department of Environmental Protection (FDEP) received 'delegation' from EPA for the MS4 programs. In November 2002, the Cycle 2 MS4 Permit was issued by FDEP. The Cycle 3 permit was issued on March 2, 2011 and the Cycle 4 permit was issued on September 8, 2016. This Report is to document the assessment results under this most current permit.

Goal/Purpose

The fundamental goal of the Town with respect to the NPDES MS4 permit is to reduce the nutrient loadings to the receiving water bodies to the maximum extent reasonable. To this end, the Report discusses the water quality monitoring program and trends of the ambient quality that the Town's MS4 discharges so that the overall effectiveness of Hypoluxo's NPDES Stormwater Permitting Program can be evaluated. Also discussed herein estimates of pollutant loads that flow into receiving waters and water quality trends from which conclusions can be drawn,

The purpose of the 'Water Quality Monitoring Report' is to provide information for the Town of Hypoluxo to determine the overall effectiveness of its stormwater management program in reducing stormwater pollutant loadings from its Municipal Separate Sewer System (MS4) to receiving bodies.

The following items and concerns are examined as part of this water quality monitoring report:

A. **Water Quality Monitoring Program** - The water quality monitoring program is intended to identify local sources where urban stormwater is affecting surface water resources.

B. **Impaired Water Bodies** - The Florida Department of Environmental Protection (FDEP) assessment program for water body impairments will be analyzed and Hypoluxo's contribution, if any, to those impairments will be assessed.

C. **Water Quality Trend Analysis** – Using the water quality monitoring results trends can be identified and evaluated.

D. **Pollutant Loading Estimates/Results** - Pollutant loadings and results are reported.

E. **Conclusions** - Final conclusions are made regarding water quality and nutrient loading impacts.

Water Quality Monitoring Program/Sites

The Palm Beach Countywide water monitoring program includes 40 ambient water quality monitoring sites which were selected after coordination among the South Florida Water Management District (SFWMD), Palm Beach County Department of Environmental Resource Management (ERM), the Loxahatchee River District (LRD) Broward County and the Palm Beach County permittees.

The sites monitored are sampled and initially analyzed in-situ by staff using a multi-parameter water quality monitoring instrument. Water samples are collected, preserved and stored in accordance with Standard Operating Procedures (SOPs). Final analysis samples is conducted in laboratory settings under the direction of the entities listed above.

As a co-permittee of the Palm Beach Countywide Stormwater Permit, the Town of Hypoluxo uses the ambient water quality data provided by Palm Beach County MS4 Group. Based on the location of the outfall of the Hypoluxo MS4, one (1) monitoring station has been established. Station LWL-13 is an ERM monitoring site. The following information identifies this monitoring stations along with relevant information about the location. More specifically, Station LWL-13 at the Ocean Avenue Bridge in the Lake Worth Lagoon (South Segment).

Monitoring Station Number	Location Description	Northing/ Easting	Type	Watershed WBID
LWL-13	Ocean Avenue Bridge in the Lake Worth Lagoon, South Segment	N819086.28 E968516.09	Marine	LWL-S: 3226F2

Impaired Water Bodies

The Florida Department of Environmental Protection (FDEP) has an ambient water quality and assessment program for water body impairments. The State is divided into five (5) working 'Basin Groups', with each group cycling through a 5-year assessment cycle. The 5-year cycle includes planning, water quality, monitoring, preliminary evaluation, public meetings, final evaluation, and Secretarial (State) adoption of the verified lists. The Town of Hypoluxo is in Group 3. The latest (Cycle 3) assessment occurred in 2017. The goal of FDEP's assessment is to update the comprehensive listing system within each Basin Group and Water Boundary Identifications (WBIDs). By reviewing the water quality data for a WBID in comparison to

Chapters 62-302, 62-303, 62-303.720 and 62.303.390 of the Florida Administration Code (F.A.C.), impaired WBIDs are added or removed from the lists. WBIDs can be de-listed if a previously identified impairment cannot be verified or a Total Maximum Daily Load (TMDL) has been adopted. A TMDL represents the maximum amount of pollutant loading that can be discharged to a water body and have its designated uses still be met. The listing of impaired waters within the City's MS4 (from 2016 Cycle 3) is presented below.

- **Group**: 1
- **Cycle**: 3
- **Group Name**: Lake Worth Lagoon-Palm Beach Coast
- **Planning Unit**: Intracoastal Waterway
- **County**: Palm Beach
- **WBID**: 3226F2
- **Water Segment Name**: Lake Worth Lagoon (South Segment)
- **Parameters Assessed Using the Impaired Waters Rule (IWR)**: Copper
- **Concentration of Criterion or Threshold Not Met**: >3.7 mg/l
- **Priority for TMDL Development**: Medium
- **Projected Year for TMDL Development**: 2010
- **Verified Period Assessment Date**: Not Identified
- **Comments:** PP=1/6 Insufficient data; VP= 9/48 Impaired. VP data have been updated using IWR Run 2010.

Lake Worth Lagoon was listed for Copper in the South Segment. All marina estuaries along the Palm Beach County coastline are listed as impaired for Copper. The Copper impairments do not appear to relate to stormwater runoff; however, it may be related to the marina boating activities in the water body. The next step in the FDEP process is to rank impairment for adopting a TMDL for the WBID. Based on this assessment, there is no identified impairments for this WBID. As such, there are no projected TMDLs for this WBID.

The primary concern that FDEP has regarding the stormwater permitting program is related to nutrients and what impacts are created by nutrients into the stormwater system. The Town of Hypoluxo has evaluated nutrient monitoring results at the LWL-13 monitoring station location. Parameters are monitored typically each month for marine environments or b-monthly for fresh water. Parameters of primary interest to FDEP and the Town are Phosphorus and Nitrogen, Chlorophyll-A can be an indicator of nutrient enrichment and was also included. The information below provides a summary of the limits.

Applicable Class III- Marine Water Quality Criteria
Lake Worth Lagoon South (LWL-13)

Parameter	Units	Criteria
Total Phosphorus	mg/l	less than or equal to 0.059 AGM
Total Nitrogen	mg/l	less than or equal to 0. 50 AGM
Chlorophyll-A (corrected)	ug/l	less than or equal to 5.7 AGM

AGM: Annual Geometric Mean

Water Quality Trend Analysis

To evaluate nutrient trends the water quality data for the 10 year period are illustrated in graphs (Figure 3-1 TP, Figure 3-2 TN and Figure 3-3 Total Chlorophyll-A) in Appendix A. The graphs depict the trend lines and summarize the Annual Geometric Mean (AGM) values at monitoring station LWL-13 for TP, TN and Chlorophyll-A. The trend lines provide an indication if nutrients are increasing (upward trend) or decreasing (downward trend), or at a steady-state near (flat). The appropriate water quality standards are depicted to allow for a comparison of both trend and relationship to standard. A general summary of the trend and exceedences are depicted below.

Monitoring Station	AMG Phosphorus		AMG Nitrogen		AMG Chlorophyll-A	
	Trend	Number of Exceedences	Trend	Number of Exceedences	Trend	Number of Exceedences
LWL-13 (ERM)	Downward	0	Downward	0	Steady-state	1

Total Phosphorus (TP): A review of Figure 3-1 indicates a significant downward trend in values for TP at monitoring station LWL-13 during the 10 year period (2006-2016); no exceedences were reported.

Total Nitrogen (TN: A review of Figure 3-2 similarly indicates a downward trend in values for TN during the 10 year period with no exceedences reported.

Total Chlorophyll-A : A review of Figure 3-3 indicates a steady-state in values for Chlorophyll-A during the 10 year period; 1 exceedence was reported.

Pollutant Loading Estimates/Results

At this time the Town does not have information on the loading contributions for the Town of Hypoluxo into the Lake Worth Lagoon ((South Segment). The Palm Beach County (PBC) MS4 group will be estimating pollutant loadings and reporting the information in the 3rd year report. This information is likely to be provided to the Town of Hypoluxo and documented in the 3rd year report.

Hypoluxo has in place stormwater management programs that reduces the nutrient loading into the Lake Worth Lagoon (South Segment)/WBID 3. These programs include maintenance of ditches and conveyance swales, dry detention systems, public education (brochures and flyers for public distribution, annual newsletter, Town website), MS4group activities and an adopted Fertilizer Ordinance.

Conclusions

The Town of Hypoluxo stormwater management programs are effective in reducing nutrient loadings. The water quality monitoring results are encouraging. Nutrient trends are downward or stabilized. This is supported by the water quality monitoring program (both FDEP and the MS4 group information) and pollutant loading information. At this time there are no recommended changes necessary to the Town of Hypoluxo stormwater management program.

APPENDIX A

(INSERT Figure 3-1, Figure 3-2 and Figure 3-3)

Figure 3-1
AGM Phosphorus Trends
10-Year at Station LWL-13

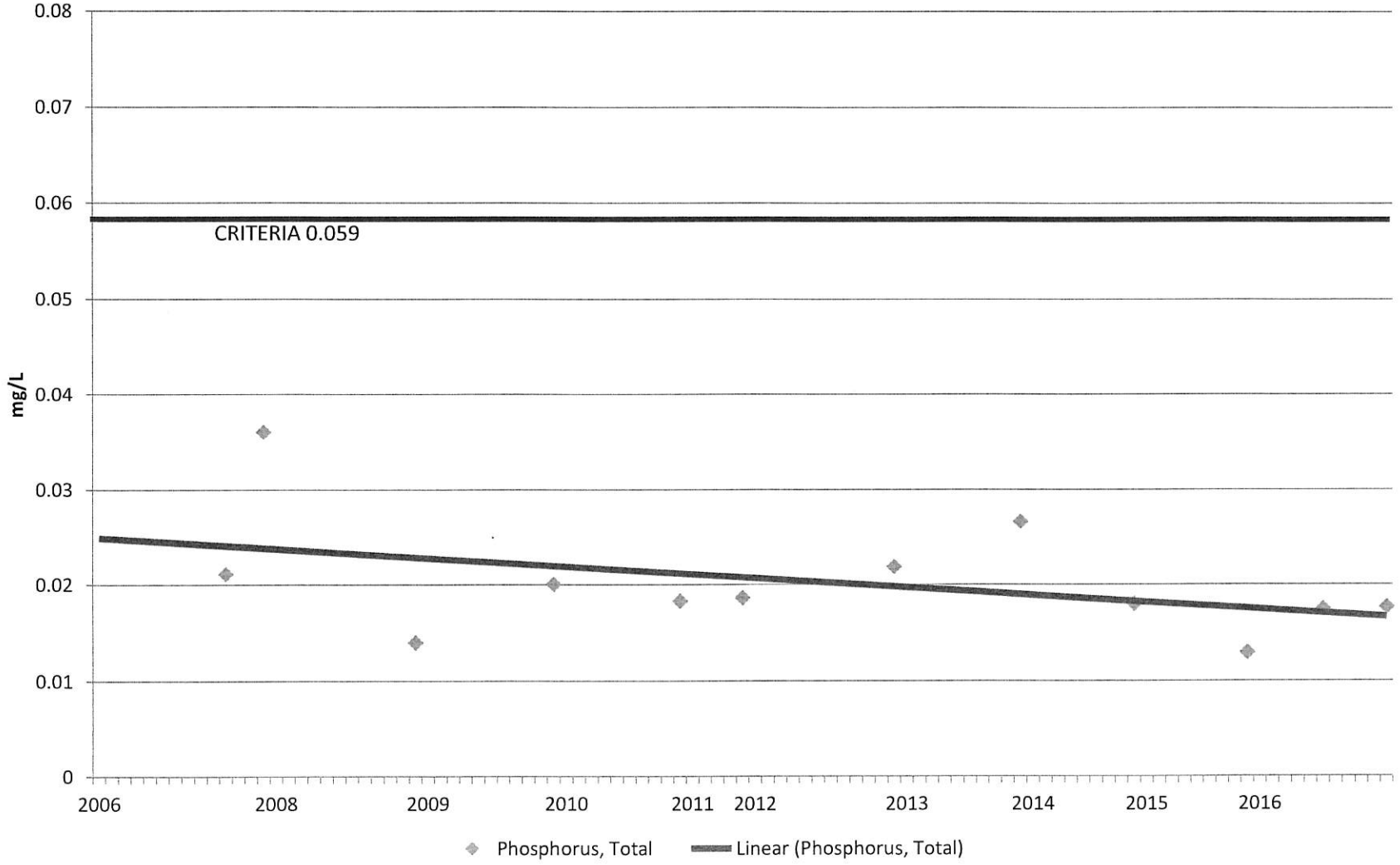


Figure 3-2
AGM Nitrogen Trends
10-Year at Station LWL-13

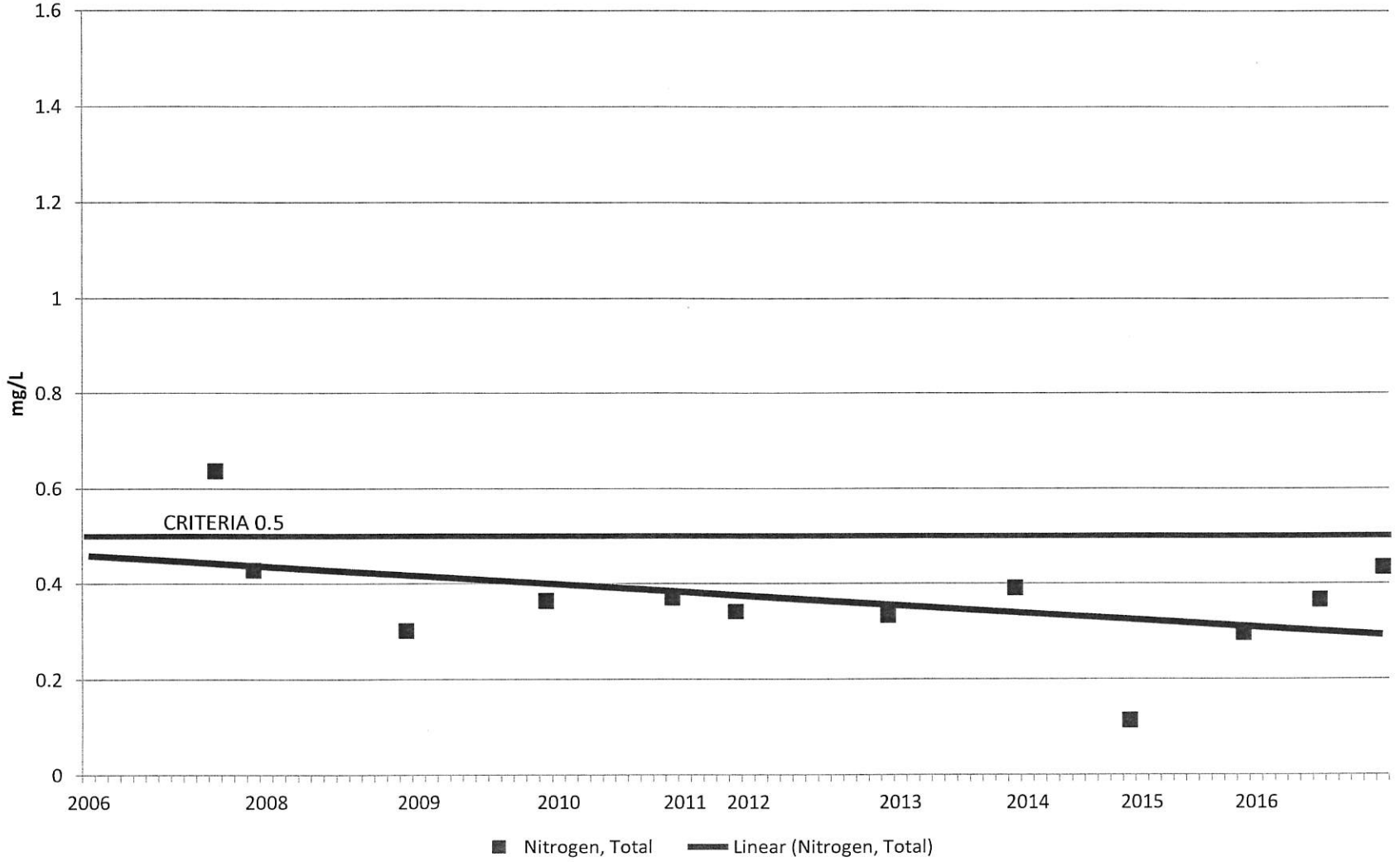
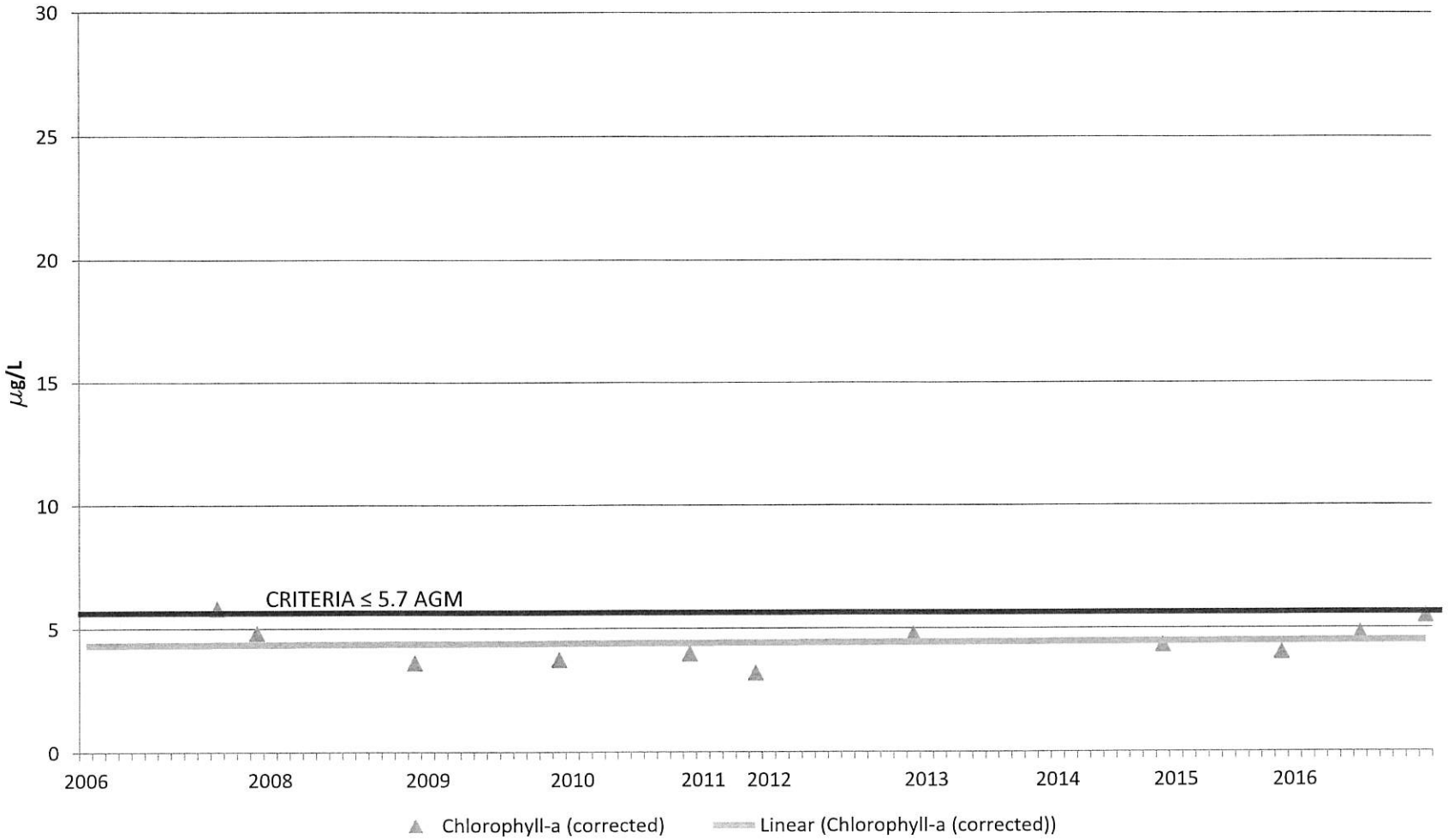


Figure 3-3
AGM Chlorophyll-A
Trends
10-Year at Station LWL-13



Summary Report

"Land Development Regulations and Code Review Aimed at Low Impact Design and Other Innovative Design Techniques"

(Submitted as **Attachment 2** to the Town of Hypoluxo, Florida Permit Year 2, Fourth Term NPDES Annual Report)

Prepared by the Town of Hypoluxo
and
JLH Associate

December, 2012
Revised/Updated March, 2019

EXECUTIVE SUMMARY

The ***Town of Hypoluxo*** has undertaken a complete review of its codes and land development regulations (LDRs) in regard to Low Impact Design (LID) and other innovative design techniques. Determinations are made as to the adequacy of these regulations, the current status of these regulations and recommendations for future actions, if, and when, deemed appropriate. Chapters of the Hypoluxo Code of Ordinances are identified which were determined to be relevant to this review. Specific sub-sections and paragraphs are cited, and in many cases quoted or discussed. LIDs relevant to the Town are identified. They include regulations and techniques governing conveyance swales; pervious and impervious surfaces; landscaping, including the Florida Yards and Neighborhood (FYN) program, and conservation; refuse, garbage, toxic wastes and other nuisances; and, a review of the adopted Town of Hypoluxo Comprehensive Plan. It has been determined that the regulations governing these subject areas are meeting the needs of this nearly developed community. The City adopted a Fertilizer Ordinance in FY11/12. It is recommended that the Town make available to its residents the myriad of information regarding landscaping and 'water conservation' practices available through the FYN Florida Friendly Landscaping Program.

PURPOSE

Low Impact Development is defined as," a stormwater and land use management strategy that strives to mimic pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation and transpiration by emphasizing conservation, use of on-site natural features, site planning and distributed stormwater management practices that are integrated into a project design" (Integrating LID into Local Codes: A Guidebook for Local Governments, prepared by AHBL for Puget Sound Partnership, Final Draft, November, 2011).

All land development regulations (LDRs) contained within the Town of Hypoluxo Code of Ordinances have been reviewed as part of this Summary Report. The purpose of this review was to identify what Low Impact Design (LID) techniques and other innovative planning techniques are adopted and being implemented and to determine what changes may be necessary to reduce stormwater impacts of new development and areas of significant development. A description of innovative planning techniques recommended for possible future inclusion into the Town's codes and regulations will be identified, and a description of the plan for implementing proposed changes will be cited.

As discussed in the MS4 Permitting Resource Manual, the Town will focus on changes that will promote, or at least not discourage, LIDs such as conveyance swales, pervious surfaces, minimum values for green/open spaces and/or maximum allowances for ground coverage, native landscaping/Florida Yards and Neighborhoods program, irrigation conservation, retention of stormwater runoff, increase in natural hydrology and other innovative LID principles.

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CODES AND LAND DEVELOPMENT REGULATIONS REVIEW

All codes and regulations adopted by the Town are contained in the Town of Hypoluxo Code of Ordinances. The following Articles and Chapters were deemed relevant to this review and analyzed for purposes of this **Summary Report**. Specific Sections and Subsections within Chapters are referenced in the discussions herein

- Chapter 22: Environment; Article 1. General and Article X. Fertilizer-Friendly Use Ordinance
- Chapter 28: Land Development: Division 2. District Regulations, Article V. Supplemental Development Design and Improvement Standards and Article VIII.. Landscaping Standards
- Chapter 34: Solid Waste
- Chapter 42: Article 2. General
- Chapter 50: Utilities; Article VIII. Stormwater System

The *Town of Hypoluxo Comprehensive Plan* is also reviewed as part of this analysis. Specifically, the Natural Groundwater Aquifer Recharge and Stormwater Management sub-elements of the Infrastructure element contains Objectives and Policies regarding stormwater management and stormwater management related issues.

LOW IMPACT DESIGN (LID) TECHNIQUES AND PRACTICES

A variety of LIDs are already being employed and implemented by the Town of Hypoluxo. An identification and discussion of those techniques/practices are presented below. The ***Status*** of their use and effectiveness are stated and ***Recommendations*** are put forth, where necessary and appropriate, to further implement LIDs in the Town.

Conveyance Swales

There are four (4) local, residential streets serving Hypoluxo. Only one (1) of those streets has valley gutters; the remaining three (3) have grassed areas, or conveyance swales. It has been the policy of the Town to require individual property owners to be responsible for maintaining their lots up to paved area of the streets they front upon. However, there is no established regulations to enforce this policy. Swale areas could be strictly regulated and subject to Town review and permitting requirements by adopting the following requirements and regulations:

a) No person shall place or plant any vegetative landscape material within the Town right-of-way (swale areas abutting public streets) without first obtaining a permit from the Town. The following shall be considered in determining whether a permit for vegetative landscape material should be issued:

(1) Interferes with or impairs the Town stormwater drainage system;
(2) Creates a safety hazard to vehicular or pedestrian traffic;
(3) Otherwise impairs the health, safety or welfare of the Town's citizens.

c) No person shall grade or re-grade any lands within the Town right-of-way without first obtaining a permit from the appropriate designee of the Town.

d) It shall be unlawful for any individual to place or have placed any impervious material including, but not limited to, asphalt, concrete crushed rock, landscape stone, brick pavers or other similar materials within the Town right-of-way. This subsection shall not preclude the installation of paved driveways extending from a public roadway to the privately-owned property.

Status: The current policy of requiring property owners to maintain landscaped areas in conveyance swales adjacent to the paved streets has been implemented through enforcement of the regulations cited above.

Recommendation: ***It is recommended that the Town consider adopting the additional regulations for maintenance of conveyance swales by property owners similar to those suggested above. The Town should review these regulations during the third year of the current NPDES stormwater permit and take appropriate actions for inclusion in the Town of Hypoluxo codes. They could be inserted into Ch. 42 - Streets and Sidewalks of the Code of Ordinances. Regulations.***

Pervious/Impervious Surfaces

'Impervious surfaces' is defined in the **Town of Hypoluxo Code of Ordinances, Ch.28 Land Development, Sec. 28-14 Definitions** as '...surface(s) that has been compacted or covered with a layer of material so that it is highly resistant to infiltration by water. It includes, but is not limited to, semi-impervious surfaces such as compacted clay, as well as most conventionally surfaced streets, roofs, sidewalks, parking lots and other similar structures'. Pervious' surfaces are not specifically defined in the Town's Code of Ordinances.

Ch. 28 Land Development, Division 2 District Regulations establish various development criteria and standards for each zoning district within the Town of Hypoluxo. However, there are no standards established for maximum allowable pervious or impervious areas allowable on development sites. These type of standards realistically should only apply to single family and duplex lots because there is less impervious areas required. For example, multiple family, commercial and public use areas generally require more impervious areas to accommodate parking and loading requirements and other ancillary uses. Maximum Lot Coverage requirements are established for the Residential zoning districts only. The maximum allowable lot coverage permitted in the Residential single family (RS) district is 35% while the Residential multiple family (RM & RH) districts allow a maximum 40% lot coverage. The Commercial zoning district and the Utility district have no maximum lot coverage requirement. 'Lot Coverage' is not defined in the Code of Ordinances; so for purposes of this report, only single family and duplex lots in the Residential districts should be restricted for maximum impervious surfaces allowed.

Level of Service (LOS) standards regarding the stormwater drainage system serving Hypoluxo have been adopted in the Town Code Ordinances and also in the Town's Comprehensive Plan. The **Code of Ordinances, Ch. 28 Land Development, Sec. 28-97 Stormwater Management** states that, '... The drainage system should provide for protection from a 25-year storm of a 12-hour duration and provide for on-site retention by provision of pervious areas...' **Objective 1C (Stormwater Management). Policy 1C.1 of the Sanitary Sewer, Solid Waste, Stormwater Management, Potable Water and Natural Groundwater Aquifer Recharge (hereafter referred to as the Infrastucture Element) of the Comprehensive Plan** establishes that, 'A level of service standard (design storm) of five year/12 hour storm event shall be adopted and used as the basis for determining of drainage capacity to meet the demand generated by runoff...' **Policy 3.4 in the Capital Improvements Element (CIE) of the Comprehensive Plan** establishes a similar design storm of five-year/12 hour requirement. The enforcement of the Stormwater Management LOS Standard established in the Code and Comprehensive Plan ensures that proper drainage facilities will be installed to accommodate stormwater runoff.

Status: The regulations cited above does not establish limitations to the amount of land area that can be developed as 'impervious areas' in the Town of Hypoluxo. Even though there are Maximum Lot Coverage requirements established in Ch. 28 Land Development of the Code of Ordinances, this criteria/standard does not adequately address the pervious/impervious surfaces issue. Level of Service (LOS) Standards are adopted in the Stormwater Management sub-element of the Infrastructure element and in the CIE. The LOS standards adopted for application to stormwater drainage systems within the Town maximize control of stormwater runoff from development areas.

Recommendation: It is recommended that a Maximum Impervious Coverage standard be added either as a separate 'Development Criteria' in the Residential zoning districts; or, by revising Maximum Lot Coverage in the Residential districts to establish that, 'no greater than 50% of a single family or duplex lot shall contain impervious areas'. The Town should review these suggested regulations during the third year of the current NPDES stormwater permit and take appropriate actions for inclusion in Town regulations.

Ch. 28 Land Development, Article VIII. Landscaping Standards of the Town of Hypoluxo Code of Ordinances contain landscaping regulations and concerns about appropriate plant selection, plant materials, standards for the preservation and use of 'native' vegetation, the elimination of exotic vegetation, the protection of certain species, conservation of trees to the maximum extent possible and other LID practices and techniques.

These regulations state that Landscaping standards shall conform to Florida No. 1 or better as given in 'Grades and Standards for Nursery Plants', Part I, current edition, and Part II, State Department of Agriculture, Tallahassee. **Policy 1E.3 in the NGAR sub-element of the Infrastructure Element of the Comprehensive Plan** establishes that, 'Xeriscape landscaping practices shall be maintained within the Town land development regulations as a means of minimizing future irrigation water needs'.

The Town's Fertilizer Friendly Use Ordinance, '...applies to, and shall regulate, any and all applicators of fertilizer and to the application of fertilizer... unless such application is specifically exempted,,,' **(Ref. Ch. 22 Environment, Sec. 22-200 Applicability**). Fertilizer Application Practices which are most specifically related to stormwater management are delineated in **Sec. 22-204 (b)**, 'Fertilizer released on 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' and **Sec. 22-204(c)** In no case shall fertilizer be washed, swept or blown off impervious surfaces into stormwater drains, ditches, conveyances or water bodies'. The Ordinance also requires that applicators must be trained in fertilizer application (Ref. Sec. 22-2087 Training) and all commercial applicators must be licensed and certified by both the Florida Department of Agriculture and Consumer Services (FCAC) and by the 'Green' Industries.

The Palm Beach County (PBC) NPDES Steering Committee developed a model Fertilizer Ordinance, in coordination with FDEP, as part of its MS4 stormwater permitting program. It was developed for use as a guide for adaptation to each co-permittees entity. The Town adopted a Fertilizer Ordinance in FY 12/13 following this guide. Only those entities whose stormwater runoff discharge into 'nutrient impaired' waters are required to adopt a Fertilizer Ordinance. The Town discharges into FDEP WBID 3226F2 (Lake Worth Lagoon (South Segment). Based on FDEP 2017 Verified Listing of Impaired Waters for the Lake Worth Lagoon, WBID 3226F2 is not an impaired water body.

The Florida Yards and Neighborhoods (FYN) Florida Friendly Landscaping program offers educational and suggested LID practices and principles that will help protect ground water , surface waters and the natural environment. It is important to reduce water usage and runoff and to use plants in landscaping that will flourish on the amount of rainfall received in Palm Beach County. Healthy plants filter runoff and slow erosion. FYN Florida Friendly program offers suggestions on 'water conservation' and as well as suggested materials to slow and clean runoff and to use materials such as mulch to retain water moisture which reduces competition for water between plant species. Other irrigation conservation practices include watering plants and landscaping early in the morning so plants are not wet overnight. This reduces water loss and the chances of disease. The use of rain sensors on irrigation systems are used to turn off irrigation when not in use while using mulch helps to retain soil moisture which reduces competition for water between plant materials.

FYN also encourages the use of less toxic or non-toxic products in controlling and managing pests in landscaped areas, thus reducing or eliminating toxic substances from entering ground or surface waters. FYN has many recommendations regarding the use of fertilizers and how to help contain its use from entering ground and surface waters. The FYN program offers practices such as providing buffer areas between fertilized and lawn cutting areas and a water body. These are just some of the LID Practices and principles offered by the FYN Florida Friendly Landscaping program.

Also, the Town assists the South Florida Water Management District (SFWMD) in the implementation of the District's Water Shortage Plan. **Objective 1E (Natural Groundwater Aquifer Recharge), Policy 1E.2** of the Town's Comprehensive Plan addresses this issue. Specifically, through adoption of Policy 1E.2 shall implement and enforce Water Shortage Emergency Provisions, established under Chapter 40E-21, Florida Administrative Code upon declaration of a water shortage emergency by the SFWMD as a means of restricting salt water intrusion into coastal wellfields..

Status: The landscaping regulations adopted by the Town of Hypoluxo have been adequate to monitor and enforce good LID practices, principles and techniques. The Town has an adopted effective landscaping regulations and a Fertilizer Friendly Use Ordinance.. Applicators are appropriately trained and certified in fertilizer application.

Recommendation: ***It is not necessary to recommend any changes to the Town of Hypoluxo existing landscaping regulation at this time. Continued application and enforcement requirements of landscaping regulations shall be maintained. It is recommended that the Town provide as much information to its residents (in the form of flyers, brochures, web sites and other available educational aides) to educate its community about the use and application of plant types and materials, use of fertilizers and pesticides, use of 'water conservation' techniques (e.g. pavers, stones, gravel, mulch, rain sensors on irrigation systems and others) and the myriad of useful information provided through the FYN Florida Friendly Landscaping program.***

Refuse, ,Garbage, Toxic Materials and Other Nuisances

The Town of Hypoluxo Beach contracts privately for the collection and transportation of solid wastes, including refuse, garbage, litter and toxic materials, from the Town to a solid waste facility operated by a County or operated under a contract with a County pursuant to F.S. 403.706, "Local Government Solid Waste Responsibilities" **Objective 1B (Solid Waste) of the Infrastructure Element in the Comprehensive Plan** establishes that the Town should, '..continue to contract solid waste collection and hauling services in order to meet the current and future needs of residential and commercial land uses'**. C. 22- Environment, Sec. 22-26 of the Code of Ordinances** addresses keeping lands free from debris, vegetation and other material occasioning hurricane hazard **(Ref. Sec. 22-26) Sec. 22-27** states that lands shall be kept free from trash or filth while **Sec. 22-28 e**stablishes that lands shall be kept free from weeds. In essence, it is unlawful for any person to permit or allow any solid waste material such as debris, trash, rubbish, materials, items or substances to accumulate or remain upon any property located in the Town, when the accumulations are deemed a nuisance by the Town or which constitute a hazard to the health, safety and welfare of the inhabitants of Hypoluxo It is the joint responsibility of owner, occupant and agent to legally dispose of hazardous and other special wastes as provided in F.S. Ch. 403, Florida Statutes.

The Town does not performs street sweeping activities. Most of the streets in Hypoluxo are served by grass conveyance swales. One street has valley gutters. .

The issues regarding illicit discharges into the stormwater system serving Hypoluxo, spills and illegal dumping are addressed **Ch.50 Utilities, Article III. Stormwater System** of the Town's Code of Ordinances. General and specific prohibitions regarding illicit discharges are addressed in **Sec. 50-55(b) and (c).** Specifically, it is established that, except for those autrhorized exceptions, or as in accordance with a valid NPDES permit, any discharges into the stormwater system that is not composed of, is prohibited. Any discharge to the stormwater system containing any sewerage, industrial waste, or other waste material, or containing material in violation of federal, State, County, municipal or other laws, rules, regulations, orders or permits is prohibited.

Sec. 50-56 Spills and Dumping is addressed in a similar way as illicits are addressed in Sec. 50-55(b) and (c) above. Any spills or illegal dumping to the Hypoluxo stormwater system is prohibited, as well as, any spills or dumping to the system in violation of federal, State, County, municipalor other laws, rules, regulations, orders or permits are specifically prohibited.

Sec. 55-54 Inspections and Monitoring gives authority to inspect and enforce provisions of this article where there is reasonable cause to believe that violations have been committed, or there exists any condition constituting a violation.

Status: The Town of Hypoluxo is adequately addressing and enforcing appropriate regulations regarding the collection, disposal and containment of garbage, refuse, dust and particulate matter, and toxic materials and hazardous materials at construction sites, as well as, at individual residences and non-residential areas.

Recommendation: ***No changes to regulations regarding the collection, disposal and containment practices for garbage, refuse, litter, particulates matter and toxic and hazardous substances is proposed.***