



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: Village of Tequesta		
B.	Permit Name: Palm Beach County MS4		
C.	Permit Number: FLS000018-004		
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input checked="" 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 / 2018 through September / 2019		
F.	Name of the Responsible Authority: Matthew Hammond		
	Title: Utility Director		
	Mailing Address: 345 Tequesta Drive		
	City: Tequesta	Zip Code: 33469	County: Palm Beach County
	Telephone Number: 561-768-0459		Fax Number:
	E-mail Address: mhammond@tequesta.org		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above):		
	Title:		
	Department:		
	Mailing Address:		
	City:	Zip Code:	County:
	Telephone Number:		Fax Number:
E-mail Address:			

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

A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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: The individual Assessment Plan for the Village of Tequesta was approved on April 9, 2019.</p> <p>Status: The monitoring program is carried out jointly by the PBC permittees. See the PBC Joint Annual Report. The information relevant to the permittee's outfalls is addressed within the Annual Assessment Report documents, provided herewith.</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>Refer to Year 3 Joint Annual Report and attached Annual Assessment Report.</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>See attached Annual Assessment Report.</p>

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$483,339.70
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$644,250.00
C.	<p>Did the current reporting year resources decrease from the previous year? Y <input type="checkbox"/> / N <input checked="" type="checkbox"/></p> <p>If program resources decreased, provide a discussion of the impacts on the implementation of the SWMP.</p>

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

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

Attached	N/A	Required Attachments	Permit Citation	Attachment Number/Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below.	Part III.A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	An explanation of why the minimum inspection frequency in Table II.A.1.a. was not met, if applicable.	Part II.A.1	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	A list of the flood control projects that did not include stormwater treatment and an explanation for each of why it did not (if applicable).	Part III.A.4	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.	Part V.B.3	Assessment 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 type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C.	Part V.A	Assessment Report
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Summary of TMDL Monitoring Results (if applicable).	Part VIII.B.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 3: Bacteria Pollution Control Plan (if applicable).	Part VIII.B.3	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: A report on any amendments to the applicable legal authority (if applicable).	Part III.A.7.a	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	YEAR 4: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C. <ul style="list-style-type: none"> • 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): Matthew Hammond

Title: Utility Director

Signature:  Date: 2/18/2020

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.					C.	D.	E.	F.
Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity					Number of Activities Performed	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			
<p>Dry retention systems</p> <p>Exfiltration trench / French drains (lf)</p> <p>Grass treatment swales (miles)</p> <p>Dry detention systems</p> <p>Major outfalls</p> <p>Weirs or other control structures</p> <p>pipes / culverts (miles)</p> <p>Canals</p> <p>Inlets / catch basins / grates</p> <p>Ditches / conveyance swales (miles)</p>							5	40	100
		528	0	0	0	0	0	0	None in Yr 2
		126	0	0	0	0	0	0	None in Yr 2
		0	0	0	0	0	0	0	None
		4	8	100	10	100	0	0	None
		3	3	100	0	0	VOT Control Structures Form	VOT Stormwater Division	None
		10	7	100	7	100	Invoices	Shenandoah Construction	None
		0.61	0	0	0	0	0	0	None in Yr 2
		511	49	100	31	100	Invoices	Sunshine Land Design	None
		12.6	2	100	19	100	VOT Control Structures Form, Invoices	VOT Stormwater Division, Broedell Landscaping, TCI Road	None
	<p style="text-align: center;"><input type="checkbox"/></p> <p>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.</p>								
	All met								

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
Part III.A.1 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: This SWMP section provides a standard for responsible parties to follow for all inspections performed of Stormwater structures throughout the Village of Tequesta				
	Limitations: None				
	SWMP revisions implemented to address limitations: No revisions at this time				
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	0	0	None
	Number of significant development projects approved	0	0	0	None
	Provide in the Year 2 Annual Report the summary report of the review activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation.				
	Year 2 ONLY: Attach the summary report of the review activity	<input type="checkbox"/>			
Year 4 ONLY: Attach the follow-up report on plan implementation	<input type="checkbox"/>				
Part III.A.2 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The SWMP section provides a complete outline of the land development and landscaping designs that should be implemented to ensure good Stormwater management practices throughout the Village of Tequesta.				
	Limitations: None				
	SWMP revisions implemented to address limitations: No revisions recommended at this time				
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	2x week	VOT Litter Control Form	VOT Public Works	None
	PERMITTEE Litter Control: Estimated amount of area maintained (lf)	125,664	VOT Litter Control Form	VOT Public Works	None
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	28	VOT Litter Control From	VOT Public Works	None
	CONTRACTOR Litter Control: Frequency of litter collection	0	0	0	None
	CONTRACTOR Litter Control: Estimated amount of area maintained (lf)	0	0	0	None
	CONTRACTOR Litter Control: Estimated amount of litter collected (cy)	0	0	0	None
	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	0	0	None

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	Trash Pick-up Events: Estimated amount of litter collected (cy)	0	0	0	None
	Adopt-A-Road: Total miles cleaned	0	0	0	None
	Adopt-A-Road: Estimated amount of litter collected (cy)	0	0	0	None
	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	Monthly (12)	Invoices	Facilities Pro-Sweep	None
	Total miles swept	72	Map	Facilities Pro-Sweep	None
	Estimated quantity of sweeping material collected (cy / tons)	2	Email	Facilities Pro-Sweep	None
	Total phosphorous loadings removed (pounds)	1	FSA	Kimley-Horn	None
	Total nitrogen loadings removed (pounds)	1	FSA	Kimley-Horn	None
	Report the equipment yards and maintenances shops that support road maintenance activities and the number of inspections conducted for each facility.				
	Name of Facility	Number of Inspections			
	Public Services Facility	12	Public Works Litter Control Form	VOT Public Works	None
Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The SWMP provides a complete outline of the land development and landscaping designs that should be implemented to ensure good Stormwater management practices throughout the Village of Tequesta.				
	Limitations: None				
	SWMP revisions implemented to address limitations: No revisions recommended at this time				
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	0	0	None
	Flood control projects completed that did <u>not</u> include stormwater treatment	0	0	0	None
	Stormwater retrofit projects planned/under construction	0	0	0	None
	Stormwater retrofit projects completed	0	0	0	None
	If there were projects that did not include stormwater treatment, provide as an	<input type="checkbox"/>			

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	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: N/A				
	Limitations: N/A				
	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			
	None	0	0	0	None
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				
	Limitations: N/A				
	SWMP revisions implemented to address limitations: N/A, the Loxahatchee River District is responsible for the WW collection and treatment in the Village of Tequesta.				
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	0	0	None
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	9	FDACS ID Card	Rood, Sheehan, Terracon	None
	PERSONNEL: Green Industry BMP Program training completed	0	0	0	None
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	0	0	0	None
	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 type="checkbox"/>			
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage citizens to reduce their use of pesticides, herbicides and fertilizers including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	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.			

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Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: This SWMP section provides a clear outline of the appropriate types of herbicides and pesticides that have been approved for safe usage in the Village of Tequesta. These activities may be performed by the responsible parties or by an approved and licensed contractor. All applicators, regardless of affiliation, must be properly trained according to these guidelines.				
	Limitations: None				
	SWMP revisions implemented to address limitations: None at this time				
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	<input type="checkbox"/>			
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	83	VOT Work Order Forms	VOT Stormwater Division	
	Illicit discharges found during a proactive inspection	0	0	0	None
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	0	0	0	None
	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	0	0	None
	Reactive investigations of reports of suspected illicit discharges etc.	1	Illicit Discharge Form	SW Inspector	None
	Illicit discharges etc. found during reactive investigation	1	Illicit Discharge Form	SW Inspector	None
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	0	0	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	5	Sign-In Sheets, Quizzes	VOT Stormwater Division	None
	Contractors trained	0	0	0	None
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	0	0	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	5	Sign-In Sheets,	VOT Stormwater	None

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation / Record	Entity Performing the Activity	Comments
	Contractors trained	0	Quizzes 0	Division 0	None
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the public reporting of suspected illicit discharges and improper disposal of materials, including the type and number of activities conducted, the type and number of materials distributed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	Report on the public education and outreach activities that are performed or sponsored by the permittee within the permittee's jurisdiction to encourage the proper use and disposal of oils, toxics, and household hazardous waste, including the type and number of activities conducted, the type and number of materials distributed, the amount of waste collected / recycled / properly disposed, and the number of Web site visits (if applicable).				
	Public Education and Outreach Program	The public outreach and education plan is carried out as a joint effort by the Palm Beach County Co-permittees. Please see the Palm Beach County Joint Annual Report for the public education and outreach information.			
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	Loxahatchee River District (LRD)			
	Activity to reduce/eliminate SSOs and I&I: (description)	0	0	0	WW responsibility of LRD
	Activity to reduce/eliminate SSOs and I&I: (description)	0	0	0	WW responsibility of LRD
	SSO incidents discovered	0	0	0	WW responsibility of LRD
	SSO incidents resolved	0	0	0	WW responsibility of LRD
	Inflow / infiltration incidents discovered	0	0	0	No TRI Facilities
	Inflow / infiltration incidents resolved	0	0	0	No TRI

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					Facilities		
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: This SWMP section provides guidelines for a proactive inspection routine to be performed to try to reduce the illicit discharges seen throughout the Village of Tequesta						
	Limitations: None						
	SWMP Revisions implemented to address limitations: None at this time						
Part III.A.8.a	Industrial and High-Risk Runoff <input type="checkbox"/> 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	0	0	No landfills
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	0	0	No HWT SDR facilities
	EPCRA Title III, Section 313 facilities (TRI)	0	0	0	0	0	No TRI facilities
	Facilities determined as high risk by the permittee	0	0	0	0	0	No HR facilities
Part III.A.8.b	Industrial and High-Risk Runoff <input type="checkbox"/> Monitoring for High Risk Industries						
	Report the number of high-risk facilities sampled.						
	High risk facilities sampled	0	0	0	0	0	No HR facilities
Part III.A.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.						
	Strengths: N/A						
	Limitations: N/A						
	SWMP revisions implemented to address limitations: N/A						
Part III.A.9.a	Construction Site Runoff <input type="checkbox"/> 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	0	0	0	0	None
	PERMITTEE SITES: Construction site plans approved	0	0	0	0	0	None
	PRIVATE SITES: Construction site plans reviewed	9		Building Dept	Building Inspector		All projects were for construction or remodel of residential properties.
	PRIVATE SITES: Construction site plans approved	9		Building Dept	Building		All projects

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				Inspector	were for construction or remodel of residential properties
	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	0	0	All residential construction on lots less than one acre
	Confirmed ERP coverage	0	0	0	All residential construction on lots less than one acre
	Notified of CGP stormwater permit requirements	0	0	0	None
	Confirmed CGP coverage	0	0	0	None
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	0	0	None
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	0	0	0	None
	PERMITTEE SITES: Percentage of active construction sites inspected	0	0	0	None
	PRIVATE SITES: Active construction sites	8	VOT Construction Site Inspection Form	SW Inspector	None
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	8	VOT Construction Site Inspection Form	SW Inspector	None
	PRIVATE SITES: Percentage of active construction sites inspected	100	VOT Construction Site Inspection Form	SW Inspector	None
	Enforcement Action	1	Verbal Notice	VOT Code Enforcement	Violation was promptly corrected

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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.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	2	1	SW Mgmt Inspector License	M. Roulund, J. Jenkins	None
	Permittee construction site plan reviewers		0	0	0	None
	Permittee construction site operators		0	0	0	None
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.					
	Strengths: This SWMP section assures that regulations are set in place to ensure appropriate measures are taken to control erosion and sediment during construction projects throughout the Village of Tequesta. Unnecessary runoff into the MS4 waterways could lead to issues that the Village is attempting to avoid at all costs.					
	Limitations: None					
	SWMP revisions implemented to address limitations: None at this time					

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

SECTION IX. TMDL Status Report

A.	YEAR 1 Provide a table summarizing the status of the TMDL process. Include a list of prioritized TMDLs and their monitoring and implementation schedule; and include the Identification number of the outfall prioritized for TMDL monitoring.								
	WBID Number	Segment/ Waterbody/ Basin	Pollutant of Concern	TMDL DEP / EPA	Percent Reduction (WLA)	Priority Rank	Priority Outfall	Monitoring Summary / BPCP Due Date	Supplemental SWMP Due Date
	N/A			<input type="checkbox"/> / <input type="checkbox"/>		1		(Year 3 AR)	(Year 4 AR; N/A) if BPCP)
	N/A			<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)						
N/A									
N/A									
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): Actively participating in Loxahatchee Reasonable Assurance Plan.								

Village of Tequesta
MS4 Permit No. FLS000018-004
Part V. - Monitoring Requirements;
Sub-part A. - Assessment Program

Assessment Program Objective

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

Water Quality Monitoring

The Village of Tequesta relies on water quality data collected by the Loxahatchee River District (LRD). Two monitoring stations (42 and 51) were identified for the Water Quality Monitoring Plan. A map of the water quality monitoring stations is attached for reference. The nearest upstream monitoring station of Village stormwater outfalls for Monitoring Station 42 is Monitoring Station 62 while the nearest upstream monitoring station to Monitoring Station 51 is Monitoring Station 55.

Total Nitrogen (TN) has historically been lower at the downstream monitoring stations (42 and 51) than the upstream stations (62 and 55). Calendar Year 2019 was no different. Figures 1 and 2 show the Annual Geometric Mean for all four stations. The trendline for Monitoring Stations 42 and 51 have shown a decrease in TN over the 16-year sampling period.

Figure 1

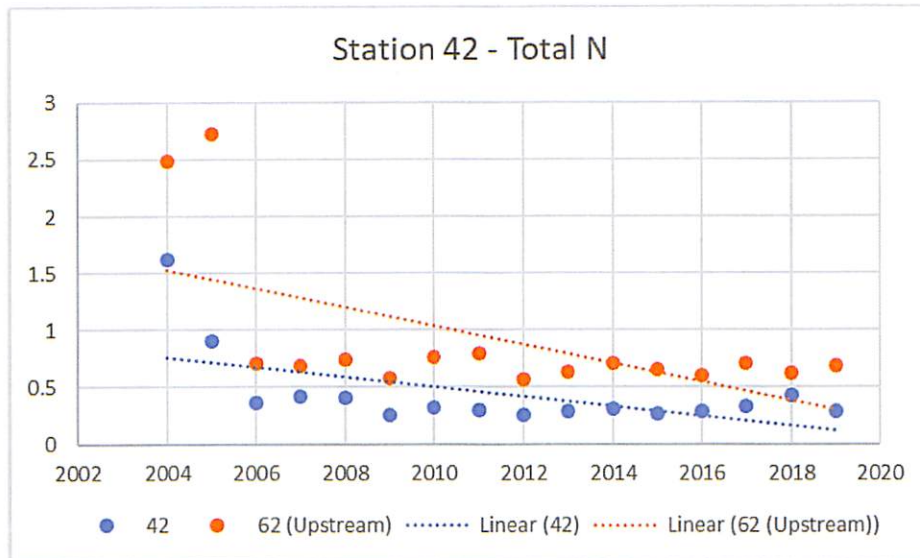
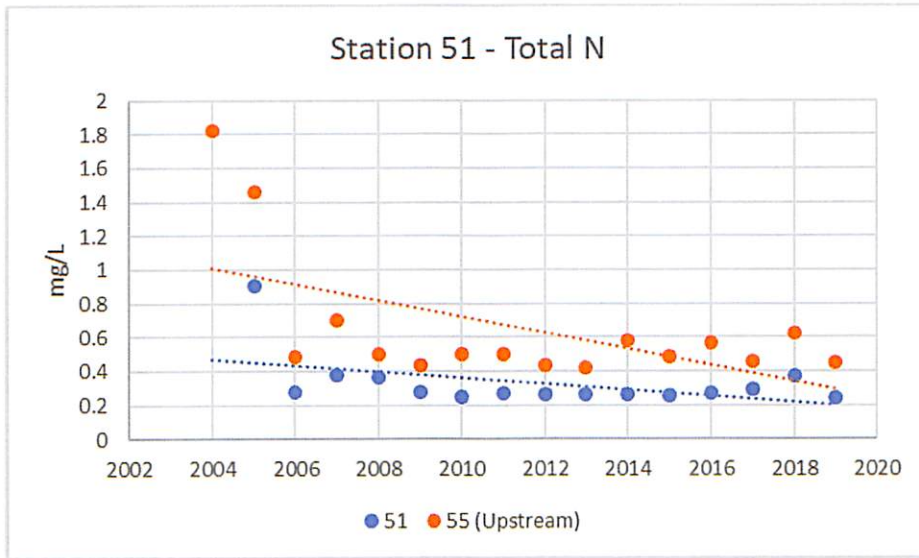


Figure 2



Similarly, Total Phosphorus (TP) has historically been lower at the downstream monitoring stations (42 and 51) than the upstream stations (62 and 55). This was the case in Calendar Year 2019 as well. Figures 3 and 4 show the Annual Geometric Mean for all four stations. The trendline for Monitoring Stations 42 and 51 have shown a decrease in TP over the 16-year sampling period.

Figure 3

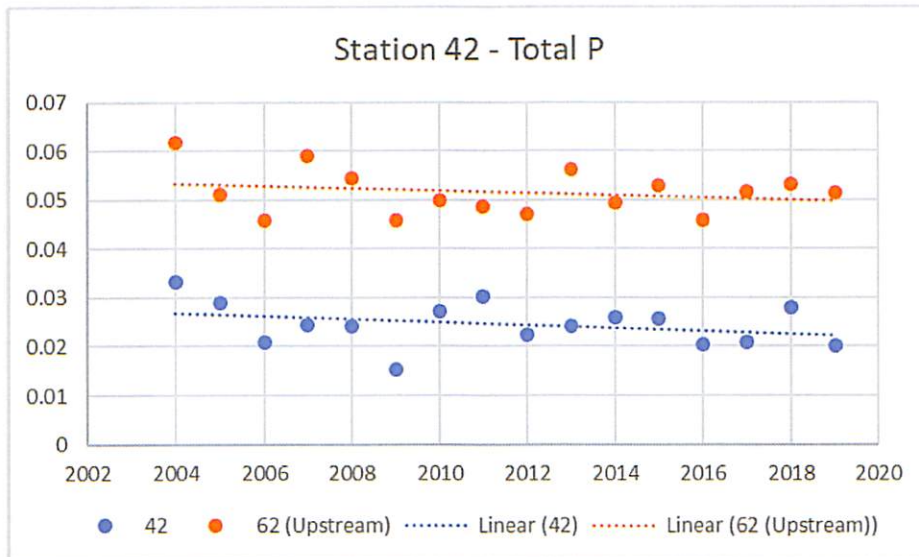
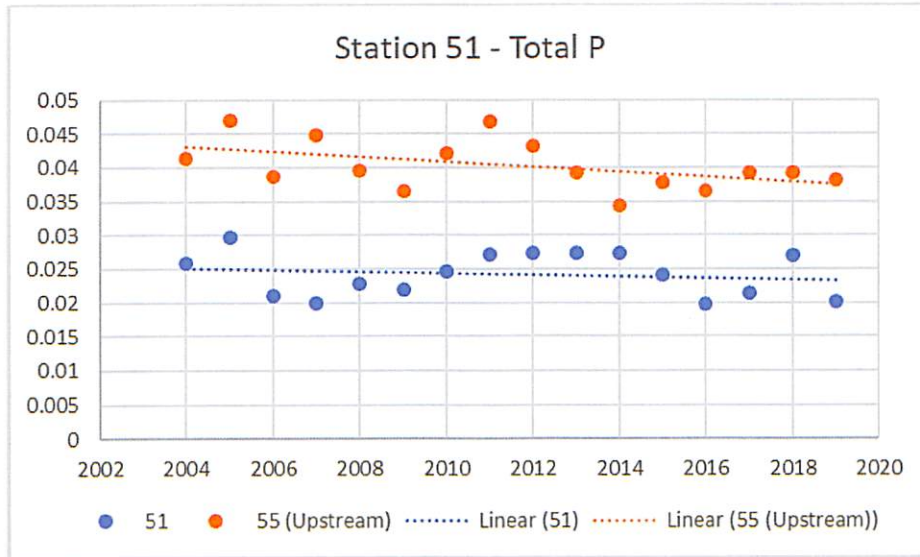


Figure 4



As was the case for TN and TP, Chlorophyll-a (corrected) has historically been lower at the downstream monitoring stations (42 and 51) than the upstream stations (62 and 55). This was again the case in Calendar Year 2019. Figures 5 and 6 show the Annual Geometric Mean for all four stations. The trendline for Monitoring Stations 42 and 51 indicate a slight increase in Chlorophyll-a over the 14-year sampling period. At Monitoring Station 42 this rate of change flattens over the most recent 5-year window and is strongly correlated to the upstream results (Figure 7). The rate of change at Monitoring Station 51 diverges from the upstream station during the most recent 5-year window with the upstream Chlorophyll-a results sharply increasing while Monitoring Station 51 results slightly decreasing (Figure 8).

Figure 5

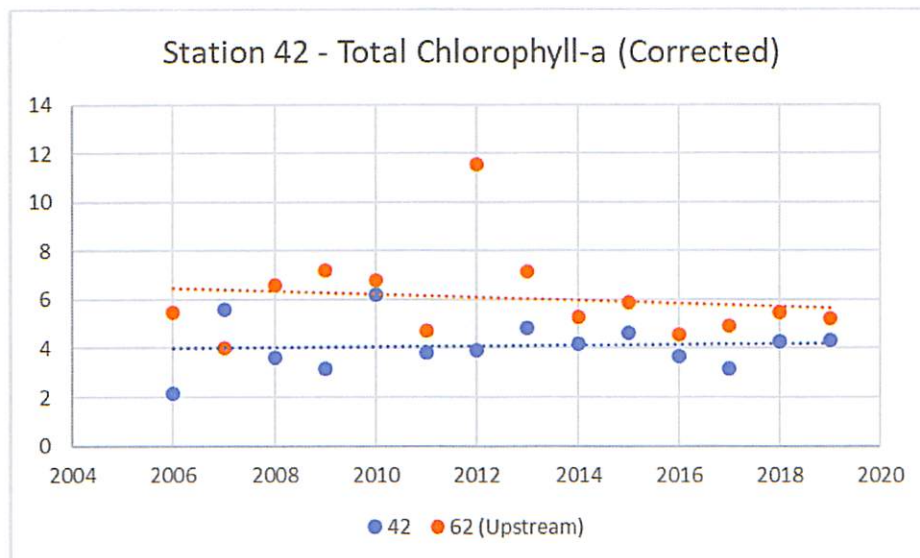


Figure 6

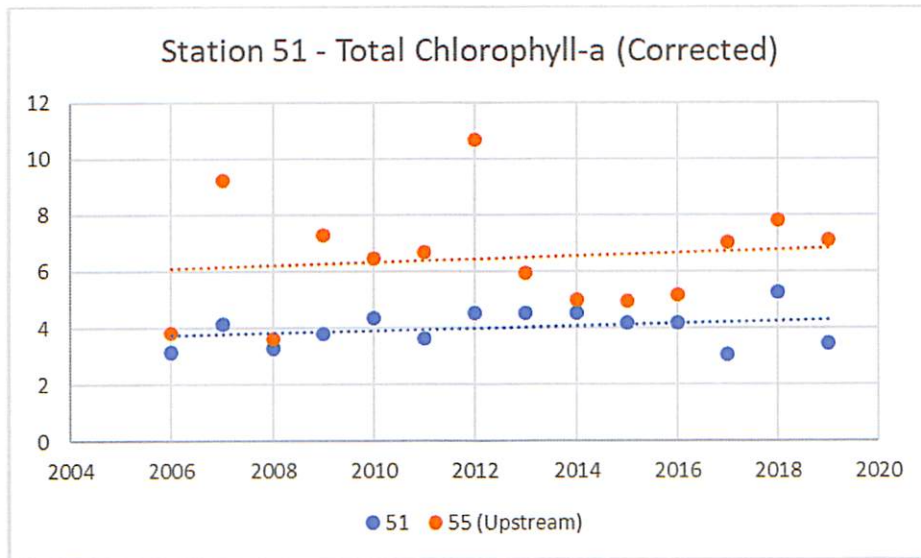


Figure 7

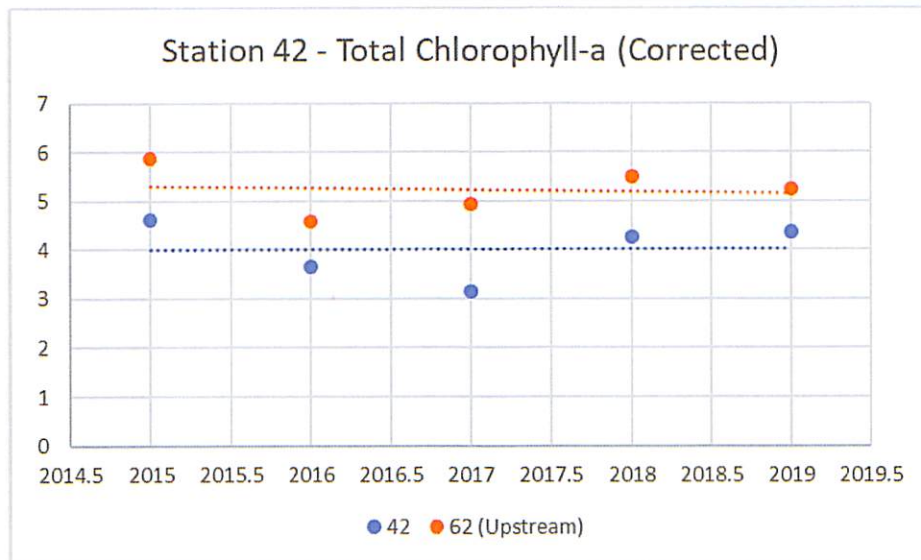
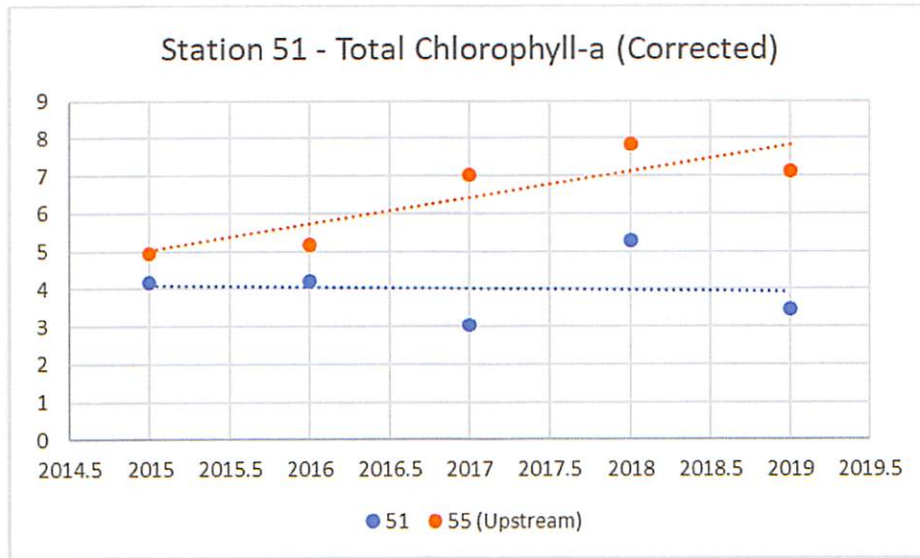


Figure 8



Pollutant Loading Estimate

The Palm Beach County MS4 permittee group developed pollutant loading estimates during the 3rd year of this permit cycle using the SIMPLE protocol. The group provided each permittee with pollutant loading estimates that reflect their respective MS4 area. The group's estimated pollutant loading results, based on land use and BMP's, was provided to each permittee for use in this assessment effort in the *Summary of Average Annual Pollutant Loading Model Activities for Cycle 4/Year 3* prepared by Mock-Roos. The results for the Village of Tequesta are summarized in Table 1. The table includes a 6% reduction for public education activities, as allowed by the Florida Department of Environmental Protection (FDEP) for non-structural Best Management Practices (BMPs). These outreach programs are conducted by the Palm Beach County MS4 Group as well as the Village. Additionally, the Village contracts out street sweeping services, which resulted in 1 lb of Total Phosphorus load and 1 lb of Total Nitrogen load removed.

	BOD ₅	TSS	TP	TN	Cu	Zn
2013	19,814	89,072	920	7,030	57	230
2018	19,602	85,993	900	6,959	55	226
Public Outreach Reduction (6%)	1,176	5,160	54	418	3	14
Street Sweeping Reduction			1	1		
2018 w/ Reductions	18,426	80,833	845	6,540	52	212
Reduction %	7.0%	9.2%	8.2%	7.0%	9.3%	7.6%
Total Watershed Loading	709,032	2,038,886	31,659	439,785	1,456	5,840
% of Total Watershed Loading	2.6%	4.0%	2.7%	1.5%	3.6%	3.6%

The pollutant loading estimates indicate reduction in the pollutant loadings of 7.0% to 9.2% over the past two permit cycles. The Villages estimated pollutant loads contribute 1.5% to 4.0% to the total pollutant

load within the Loxahatchee River Watershed. The remaining loading is contributed by other MS4 sources and non-MS4 sources.

Evaluation & Response Plan

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

Based on the data from the water quality monitoring and pollutant loading estimates, there is a general reduction in nutrients with the exception of Chlorophyll-a which is likely due to factors upstream of the Village. Therefore, based on the evaluation herein, it can be concluded that the Village's Stormwater Management Programs (litter control, street sweeping, public education, maintenance, construction inspections, etc.) are effective, and as a result, the Village of Tequesta is not proposing any areas of the MS4 that need further improvement in load reduction.

Attachment A - Monitoring Locations

