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

5.SECTION I. BACKGROUND INFORMATION			
A.	Permittee Name: Village of Wellington		
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): 10 / 2016 through 9 / 2017		
F.	Name of the Responsible Authority: Thomas J. Lundeen, P.E.		
	Title: Village Engineer		
	Mailing Address: 12300 Forest Hill Boulevard		
	City: Wellington	Zip Code: 33414	County: Palm Beach
	Telephone Number: 561-753-2454	Fax Number: 561-791-4045	
	E-mail Address: tlundeen@wellingtonfl.gov		
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): (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): (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: 2016 Water Quaility Report Status: Wellington's assessment program was submitted on May 11, 2017. It was accepted by DEP's Palm Beach County MS4 coordinator on July 7, 2017. This program, water quality monitoring data, implemented BMPs and estimates of phosphorous removal amounts was in
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.* Refer to the attached Village of Wellington/Acme Improvement District 2017 Water Quality 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 response for Section III.B. above.

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: $5,176,856
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: $5,841,384
C.	Did subsequent program resources decrease from the current reporting period? 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	#A17 - 2017 Water Quality Report
☐	☐	If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.	Part II.F	
☐	☐	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	
☒	☐	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	#B17 - MS4 Outfalls
☐	☐	YEAR 2: A summary review of codes and regulations to reduce the stormwater impact from development.	Part III.A.2	
☐	☐	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.)

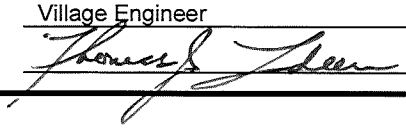
SECTION VI. CERTIFICATION STATEMENT AND SIGNATURE

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): Thomas J. Lundeen, P.E.

Title: Village Engineer

Signature:  Date: 01/05/2018

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**				
	Exfiltration trench / French drains (lf)	1776	3	100	62	100		Exfiltration Insp Form, Trash Cart Report Log (Maint.)	VOW Surface Water Mgmt./SWM & Roads Divisions	We have 3 exfiltration areas inspected generally 72 hrs after a significant rainfall-approx. 2-3 times annually & every three years, per SOP
	Grass treatment swales (miles)	36.92	118.42	100	6.78	20.5		Swale Insp. & Maint. Log (6.78 miles) and Swale Inspection Form (3x36.92 miles)	VOW Surface Water Mgmt.	We continue with our Swale Retrofit Program and they continue to be inspected by driving through the Village and observing if they are retaining water, generally 72

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									hrs. after a significant rainfall. A total of 100% of swales have been inspected.
	Dry detention systems	17	51	100	342	100	Dry Detention Insp. Form, Mowing Summary	VOW Surface Water Mgmt.	Inspections by Terry Narrow/Hank Odell (SWM)
	Wet detention systems	6	15	100	208	100	Maint.=Aquatic Weed Applications (87+40+33), Mowing Summary (36+12) , Insp.=Mowing Insp. (12)and Wet Det. Inspection Form (3)	Surface Water Mgmt.	Sect 24 , Village Park (3), Lake Wellington, Lake Greenview
	Canal Sediment Sumps	7	7	100	0	100	Work Orders	Surface Water Maint.	SWM Work orders – Terry Narrow, Sumps were inspected and found to have minimal material.
	Pump Stations	8	415	100	216	100	PS Attendance Logs, PS Gen. Check, 6 Mth. Inspections, Maint. Work Reqs., MSO Inspections & Release Detection &Insp. Checklist	Surface Water Mgmt. /Rick Hoffman	Pump stations are inspected and maintained on a regular basis and documented throughout the year. Explanation on Inspection Decrease: FY 15/16 overstated PS Attendance Logs counted

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									twice.
	Major outfalls	6	409	100	152	100	MSO Annual Insp. Work requests, PS Attendance Logs, CS Debris Check, works requests, PS Generator Check work requests, PS Maint. work requests Release Detection &Insp. Checklist	Surface Water Mgmt. /Rick Hoffman	MSO are inspected and maintained on a regular basis and documented throughout the year
	Weirs or other control structures	5	89	100	48	100	6th Mth CS Insp. & CS Debris Chks & Maint. Work Requests	Surface Water Mgmt. /Rick Hoffman	Control Structures are inspected at minimum on a semi-annual basis.
	MS4 pipes / culverts (miles)	35.41	3.93 Miles	11	75	100	Major Canal Crossing/Culvert & NH Infrastructure Storm Drainage Insp. & Maint. Logs	Surface Water Mgmt.	
	Conveyance Canals (Miles)	91.4	91.4	100	145.11	100	Aquatic Veg Treatment Application Log (Maint. 137.1 miles), Canal Slope Log (Maint. 1.76 miles), Aquatic Weed Harvester Maint. Log (6.25 miles)	Surface Water	Terry Narrow 100% of the canals have been inspected.

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Permit Citation/ SWMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed					Documentation / Record	Entity Performing the Activity	Comments
	Inlets / catch basins / grates	2,173	127,011	100	42,818	100	Storm Drain Inspection & Maint. Records/Log	Roads	Inspections & Maintenance includes, but not limited to: 2 full time employees continually travel VOW roads picking up and removing trash, which includes a visual inspection & removing any and all trash, debris and/or obstructions from inlets/catch basins/grates along their routes.
	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: Inspections continue to help with the identification of a potential issue/problem that may contribute to an impending failure of the structure. Maintenance of the system contributes to the reduction of pollutant loadings being discharged into the waterways.				
	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	81	NPDES Engineering Permit Cognos Reports & New Development and Significant Redevelopment Significant Redevelopment	Engineering	
	Number of significant development projects approved	76	NPDES Engineering Permit Cognos Reports & New Development and Significant Redevelopment Significant Redevelopment	Engineering	
	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	☐			
	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: In order to manage and protect our water resources, we require that redevelopment projects coordinate their projects with the surrounding regulatory entities (i.e., South Florida Water Management District, Army Corps of Engineers, Lake Worth Drainage District, Florida Department of Transportation) thus allowing us to upgrade stormwater systems.				

SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE				
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	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	546	Trash Report Log/Weekly Reports, Street Sweeping Log/Weekly Reports	Roads	435= Trash Report 111 = Street Sweeping
	PERMITTEE Litter Control: Estimated amount of area maintained (miles)	1721.89	Street Sweeping & Trash Cart Maps	Roads	Street Sweeping Route Total: 76.64, Trash Cart Route Total : 96.25 lane miles(previously both were stated as centerline miles)
	PERMITTEE Litter Control: Estimated amount of litter collected (cy)	2,038.96	Trash Report Log/Reports, Street Sweeping Log/Weekly Reports	Roads	1003.96= Trash Report 1,035= Street Sweeping
	OPTIONAL: If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. If you do not participate in an Adopt-A-Road program, report "0".				
	Trash Pick-up Events: Total miles cleaned	1.1	Site Report Form	Scott Campbell-Comm Svcs Project Manager	Keep PBC Beautiful/Great Am. Cleanup Folkestone/Yarmouth Neighborhood
	Trash Pick-up Events: Estimated amount of litter collected (cy)	50	Site Report Form	Scott Campbell-Comm Svcs Project Manager	Keep PBC Beautiful/Great Am. Cleanup

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					Folkestone/Yarmouth Neighborhood
	Adopt-A-Road: Total miles cleaned	33.34	Adopt-A-Road Spreadsheet	Roads	Susan Trzepacz-PW Administration
	Adopt-A-Road: Estimated amount of litter collected (bags)	103	Adopt-A-Road Spreadsheet	Roads	Susan Trzepacz-PW Administration
	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	111	Street Sweeping Log/Weekly Reports	Roads/PW	
	Total miles swept	4,516	Street Sweeping Log/Weekly Reports	Roads/PW	
	Estimated quantity of sweeping material collected (cy yards)	1,035	Street Sweeping Log/Weekly Reports	Roads/PW	
	Total phosphorous loadings removed (pounds)	857	Street Sweeping Log/Weekly Reports	Roads/PW	DEP Spreadsheet Tool
	Total nitrogen loadings removed (pounds)	1,336	Street Sweeping Log/Weekly Reports	Roads/PW	DEP Spreadsheet Tool
	Estimated quantity of Equestrian Waste collected (cy yards)	209,803	Equestrian Haulers Quarterly Reports/ Equestrian Waste Removal Spreadsheet	Planning & Zoning	Mike Odell/Ryan Harding
	Total phosphorous loadings removed (pounds)	170,262	Equestrian Haulers Quarterly Reports/ Equestrian Waste Removal Spreadsheet	Mike Odell/Ryan Harding Planning & Zoning	FDACS BMP Manual

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Total nitrogen loadings removed (pounds)	544,840	Equestrian Haulers Quarterly Reports/ Equestrian Waste Removal	Mike Odell/Ryan Harding Planning & Zoning	FDACS BMP Manual
	Estimated quantity of BMP Material collected (cy yards)	3,221.51	Catch Basins (1003.96 cy), Major Culvert Insp & Maint Log (35.55 cy), Canal Redredging Log (1,660. cy), Performance Measures Spreadsheet for Pump Station Trash racks debris removal (306 cy), Weed Harvester Maint. Log (216 cy)	SWM	Terry Narrow, Hank Odell, Rick Hoffman (Surface Water Mgmt.)
	Total phosphorous loadings removed (pounds)	2,689	"	SWM	DEP Spreadsheet Tool
	Total nitrogen loadings removed (pounds)	6,641	"	SWM	DEP Spreadsheet Tool
	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 Works Fleet Maintenance	12	Municipal Maint. Yard Inspection Form	Fleet & Equip Maint	Tom Parkman/Crew Chief-Fleet Maint.

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Part III.A.3 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: The Litter Control Program (Street Sweeping and Roadside trash pick-up) continues to help with the reduction of pollutants being discharged. Swale Retrofit Program continues to help with the reduction of pollutants begin discharged and reduces water ponding on roadways, which creates a safety hazard.				
	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		**PW/Eng/Finance**	
	Flood control projects completed that did not include stormwater treatment	0		**PW/Eng/Finance**	
	Stormwater retrofit projects planned/under construction	0		**PW/Eng/Finance**	
	Stormwater retrofit projects completed	0		**PW/Eng/Finance**	
	If there were projects that did not include stormwater treatment, provide as an attachment a list of the projects and an explanation for each of why it did not.	☐		**PW/Eng/Finance**	
Part III.A.4 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Wellington continues with their inspection, cleaning and repairing of pipes/major culverts to identify any major issues that may impede water flow.				
	Limitations: None				
	SWMP revisions implemented to address limitations: No deficiencies were noted.				

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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.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**			
		N/A			
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 - Wellington does not have any 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	4	Copy of Licenses	Wellington	B. Hopper, T. Narrow, J. Sanchez, and J. Sweeney
	CONTRACTORS: FDACS commercial applicators of pesticides/ herbicides	7	Copy of Licenses	Wellington Contractor	Clarke (3), Wellington Pro Lawn/Beach Environmental (1), & Gardenscapes/ Dragonfly Env. Svcs (3)
	PERSONNEL: Green Industry BMP Program training completed	32	Trained – multiple years - Certification List	U of F/IFASA Ext. @ Wellington	32 current employees w/ various training dates
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	5	Trained in previous years - Copy of certification listing from U of F/IFASA Ext.	U of F/IFASA Ext.	5 certifications = Wellington Pro Lawn(M. Figueroa, A. Velazquez, D. Jimenez, & J. Santana (4) 6-7-2014, & R

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					Zulli 10/4/2016 (1))
	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	☐			
	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).				
	Brochures/Flyers/Fact sheets distributed	25	BMP Brochure & Save the Swales Brochure	Public Works	Available at PW Admin Front Desk & Village Hall Kiosk: Stormwater and Me: Pesticides, Herbicide & Fertilizer Use and Save The Swales
	Public displays (e.g., kiosks, storyboards, posters, etc.)	2	BMP Posters	Public Works	Displayed: PW Admin Front Desk and Break/Meeting Room
	Radio or television Public Service Announcements (PSAs)	8,792	TV Spots	Media Division/IT	David Feliciano 2-PSAs:Storm Water 1 and Storm Water 2
	Number of visitors to stormwater-related pages	1522	Website/page hits	Web & Social Media/IT	Sue Yap
Part III.A.6 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Continue to ensure all personnel have proper training in the appropriate 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	☐			

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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	236	Proactive Illicit Discharge/Illegal Connection Insp. Form (31), BMP Annual Livestock Waste Storage Structure Insp (205).	Wellington Utilities & Code Enforcement	Darin Lajoie, Cindy Drake
	Inspections performed by Palm Beach County SQG Program	0			
	Illicit discharges found during a proactive inspection	37	BMP Annual Livestock Waste Storage Structure Insp –BMP Collector Data	Code Enforcement	Cindy Drake
	NOV/WL/citation/fines issued for illicit discharges found during proactive inspection	37	Sungard Naviline Case History Report	Code Enforcement, Cindy Drake	No fines issued on the 37. Verbal or email notifications followed by written courtesy notices (37) per re- inspection 30 were found to be compliant and 7 working on compliance and will continue to re-inspect.
	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	1	Sungard Naviline Case History Report	Code Enforcement, Cindy Drake	
	Reactive investigations of reports of suspected illicit discharges etc.	1	Sungard Naviline Case History Report	Code Enforcement, Cindy Drake	Invalid Complaint
	Illicit discharges etc. found during reactive investigation	0	Sungard Naviline	Code	

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			Case History Report	Enforcement, Cindy Drake	
	NOV/WL/citation/fines issued for illicit discharges etc. found during reactive investigation	0	Sungard Naviline Case History Report	Code Enforcement, Cindy Drake	
	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	444	PW Safety Mtg Agenda & Sign In Sheet and Training Acknowledgement forms and DEP Certificates (3)	Public Works	Various Dates, personnel trained on the following: Video=IDDE-A Grate Concern-Illicit Discharge Detection & Elimination (53), Video= Rain Check – Stormwater Pollution Prevention for MS4s (61), Video=Spills and Skills-Non Emergency HazMat Spill Response (77), SPCC Controlling Oil (77), Video= Ground Control-Stormwater Pollution Prevention for Construction Sites (86), Video= Storm Watch: Municipal Stormwater Pollution Prevention

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**
					(86), and DEP Stormwater Mgmt Inspector 5/24/17 (3) & one refresher(1)
	Contractors trained	15	Distributed Flyer: Stormwater and Me! Reporting Illegal Dumping and Illicit Discharges to 15 contractors (meeting sign in sheet and spreadsheet)	Public Works and Planning & Zoning	
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	2	Reporting Form (2)	Public Works	Bill Conerly
	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	444	PW Safety Mtg Agenda & Sign In Sheet and Training Acknowledgement forms and DEP Certificates (3)	Public Works	Various Dates, personnel trained on the following: Video=IDDE-A Grate Concern-Illicit Discharge Detection & Elimination (53), Video= Rain Check – Stormwater Pollution Prevention for MS4s (61), Video=Spills and Skills-Non Emergency HazMat Spill

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**
					Response (77), SPCC Controlling Oil (77), Video= Ground Control- Stormwater Pollution Prevention for Construction Sites (86), Video= Storm Watch: Municipal Stormwater Pollution Prevention (86), and DEP Stormwater Mgmt Inspector 5/24/17 (3) & one refresher(1)
	Contractors trained	15	Distributed Flyer: Stormwater and Me! Reporting Illegal Dumping and Illicit Discharges to 15 contractors	Public Works and Planning & Zoning	
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).				
	Brochures/Flyers/Fact sheets distributed	15	BMP Brochure	Public Works	Available at PW Admin Front Desk & Village Hall Kiosk:

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
					Stormwater and Me: Reporting Illegal Dumping and Illicit Discharges
	Public displays (e.g., kiosks, storyboards, posters, etc.)	2	BMP Posters	Public Works	Displayed: PW Admin Front Desk and Break/Meeting Room
	Radio or television Public Service Announcements (PSAs)	8,792	TV Spots	Media Division/IT	David Feliciano 2-PSAs:Storm Water 1 and Storm Water 2
	Number of visitors to stormwater-related pages	1522	Website/page hits	Web & Social Media/IT	Sue Yap
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).				
	Brochures/Flyers/Fact sheets distributed	15	BMP Brochure	Public Works	Available at PW Admin Front Desk & Village Hall Kiosk: Stormwater and Me: Reporting Illegal Dumping and Illicit Discharges
	Public displays (e.g., kiosks, storyboards, posters, etc.)	2	BMP Posters	Public Works	Displayed: PW Admin Front Desk and Break/Meeting Room
	Radio or television Public Service Announcements (PSAs)	8,792	TV Spots	Media Division/IT	David Feliciano 2-PSAs:Storm Water 1 and Storm Water 2

SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE				
A.	B.	C.	D.	E.	F.
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Number of visitors to stormwater-related pages	1522	Website/page hits	Web & Social Media/IT	Sue Yap
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	Village of Wellington			
	Activity to reduce/eliminate SSOs and I&I: (description)	150	Installed 150 Rain Guards inside of maholes preventing (inflow) rain water from entering into the collection system	VOW Utilities/Corey Robinson	
	SSO incidents discovered	1	Dept. of Health Wastewater Spillage Report #2017-8537	VOW Utilities/Corey Robinson	
	SSO incidents resolved	1	Dept. of Health Wastewater Spillage Report #2017-8537	VOW Utilities/Corey Robinson	
	Inflow / infiltration incidents discovered	1	Discovered during Condition Assessment July 2017 – Contractor Report	VOW Utilities/Corey Robinson	Condition Assessment is in progress, awaiting final report by January 2018; this incident and any additional ones discovered will be scheduled for repair in FY18.
	Inflow / infiltration incidents resolved	0	Condition Assessment in progress	VOW Utilities/Corey Robinson	"

SECTION VII.	STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	B.	C.			D.	E.	F.
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**			**Documentation / Record**	**Entity Performing the Activity**	**Comments**
Part III.A.7 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: Continued training and education (videos, PSAs & website page(s) info) to ensure detection of any pollutants that might be discharged into the drainage system.						
	Limitations: Being able to identify the responsible party(ies) when random dumping is found. Sanitary Sewer Overflow reporting is already required of the operator of the sanitary sewer system by FDEP; this seems to be a duplication of reporting efforts.						
	SWMP Revisions implemented to address limitations: Improvements needed by FDEP to on tracking overflow reports.						
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**			Inventory of Solid Waste Sites		
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	**10**			EPA Spreadsheet (ESRI)	Bill Conerly, Public Works SWM	Inspections conducted 4/27/2017 – 2 evidence of an infraction- B.C. explained to each, upon re-inspection no infraction was observed.
	EPCRA Title III, Section 313 facilities (TRI)	**0**			EPA spreadsheet (ESRI		
	Facilities determined as high risk by the permittee	**0**			Researched Property Use Type via PBC Property Appraisers Database	Public Works	Bill Conerly/SMT
Part III.A.8.b	**Industrial and High-Risk Runoff — Monitoring for High Risk Industries**						
	Report the number of high risk facilities sampled.						
	High risk facilities sampled	0					N/A

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.8 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit.				
	Strengths: Inspections continue to help detect any pollutants that may be discharging into the drainage system.				
	Limitations: None				
	SWMP revisions implemented to address limitations: N/A				
Part III.A.9.a	**Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**				
	Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.				
	PERMITTEE SITES: Construction site plans reviewed	5	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	PERMITTEE SITES: Construction site plans approved	5	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	PRIVATE SITES: Construction site plans reviewed	257	NPDES Engineering Permit Cognos Report 09-30-2017	**Engineering**	
	PRIVATE SITES: Construction site plans approved	189	NPDES Engineering Permit Cognos Report 09-30-2017	**Engineering**	
	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	132	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	Confirmed ERP coverage	25	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	Notified of CGP stormwater permit requirements	132	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	Confirmed CGP coverage	25	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
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	5	NPDES Inspection		

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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**
			& Maintenance Report 2016-2017		
	PERMITTEE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	279	NPDES Inspection & Maintenance Report 2016-2017, Jim Kelley's Inspection Calendar	**Engineering**	
	PERMITTEE SITES: Percentage of active construction sites inspected	100	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	PRIVATE SITES: Active construction sites	127	NPDES Inspection & Maintenance Report 2016-2017, Jim Kelley's Inspection Calendar	**Engineering**	
	PRIVATE SITES: Pre-, During, and Post inspections of active construction sites for E&S and waste control BMPs	1955	NPDES Inspection & Maintenance Report 2016-2017, Jim Kelley's Inspection Calendar	**Engineering**	
	PRIVATE SITES: Percentage of active construction sites inspected	100	NPDES Inspection & Maintenance Report 2016-2017	**Engineering**	
	Enforcement Action	71	Jim Kelley's emails, NPDES Violations, Warning, Citations, Stop Work & Fines	**Engineering**	
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	**4**		Copy of certificates	**Engineering**	Jason Hanchuk, Patrick Barthelemy and Jim Kelley, and

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**
						Jonathan Reinsvold
	Permittee construction site plan reviewers		4	Copy of certificates	**Engineering**	Jason Hanchuk, Patrick Barthelemy and Jim Kelley (5/16/2013), and Jonathan Reinsvold (5/24/17)
	Permittee construction site operators		7	Village Eng, JK, PB, JH, JRR, DL, Sal S.(Utilities)	Engineering & Utilities	
Part III.A.9 Summary	Provide an evaluation of the Stormwater Management Program according to Part VI.B.2 of the permit. **Engineering**					
	Strengths: We continue to monitor and enforce the NPDES requirements for all private and public sites.					
	Limitations: Since FDEP has limited inspectors for multiple counties, their assistance in special circumstances is hard to obtain.					
	SWMP revisions implemented to address limitations: FDEP still needs to add more personnel.					

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.**
		None
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)**
		None

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
WBID Number-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.

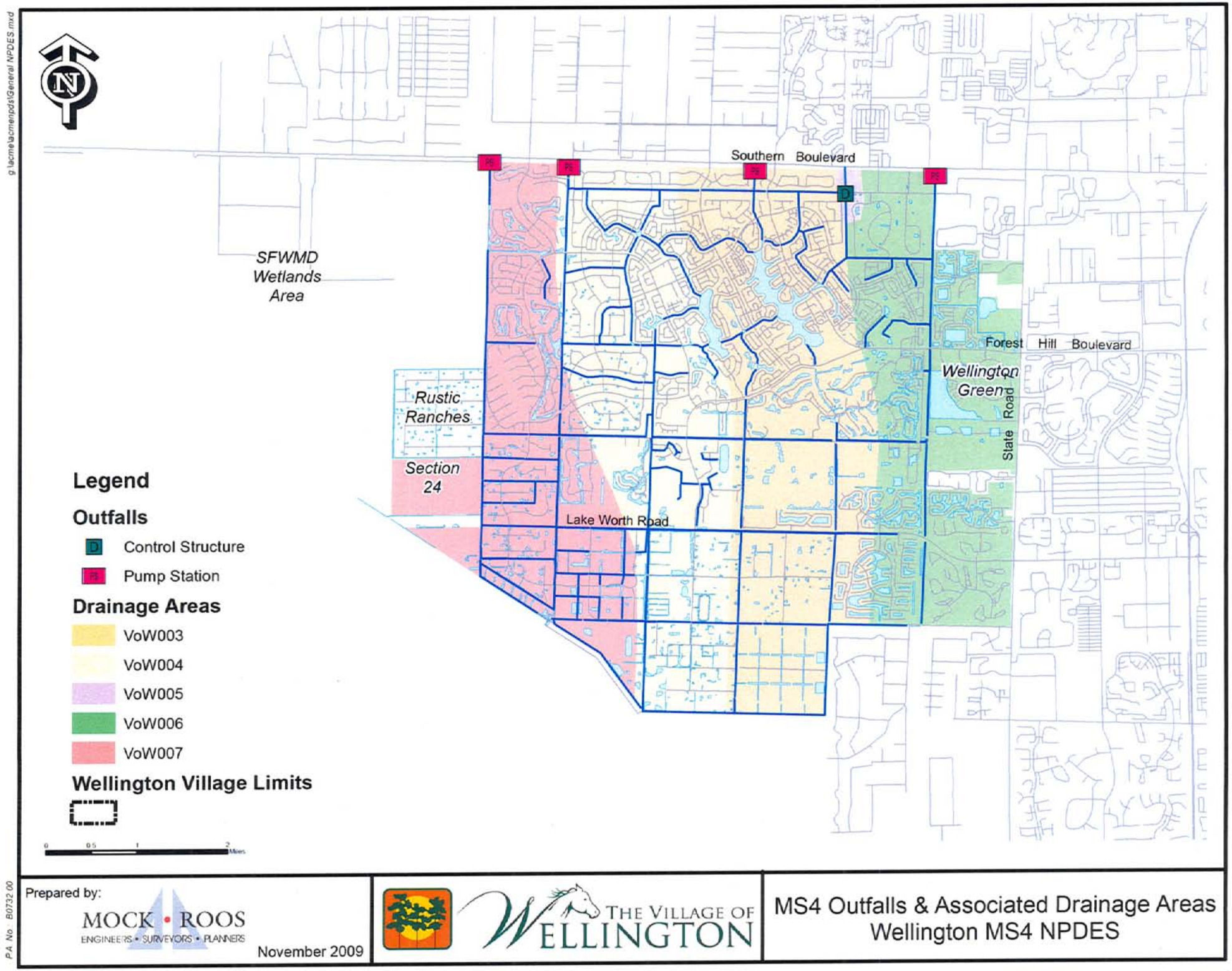
Year 3: Submit a Monitoring data summary or BPCP (if applicable).

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
		(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 discharges to a TMDL WBID at this time.



Prepared by:
MOCK • ROOS
ENGINEERS • SURVEYORS • PLANNERS
November 2009

THE VILLAGE OF WELLINGTON

MS4 Outfalls & Associated Drainage Areas
Wellington MS4 NPDES

Village of Wellington/Acme Improvement District

2017 Surface Water Quality Report

FY 2016-2017

Prepared By

MOCK • ROOS

CONSULTING ENGINEERS

THE VILLAGE OF WELLINGTON

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Report Certification

Engineer's Certification

I hereby certify, as a Professional Engineer in the State of Florida, that this 2017 Surface Water Quality/NPDES Assessment Report for the Village of Wellington was assembled under by direct responsible charge based on information received and coordinated with the Village of Wellington. This certification is provided in accordance with Florida Board of Professional Engineers Rule of Certification under Chapter 61G15-23.003.

Alan D. Wertepny, P.E.

Project Manager, Mock•Roos

FL P.E. No. 32350

11/10/2018

Mock•Roos

5720 Corporate Way

West Palm Beach, FL 33407

Florida E.B. No. 48

(Reproductions are not valid unless signed, dated, and embossed with an Engineer's Seal)

Executive Summary

This annual report serves to comply with the annual reporting requirements (1) of the South Florida Water Management District (SFWMD) Permit No. 50-00548-S (Application No. 070330-35, Condition No. 13 and Application No. 090901-13) and, (2) the Florida Department of Environmental Protection (FDEP) Municipal Separate Storm Sewer System Permit No. FLS000018-004 Section III Assessment Program.

Wellington/Acme Improvement District continues to make strides to improve surface water quality discharged to the regional surface water system (C-51 Canal) by implementing stormwater management programs to meet the target, Total Phosphorus (TP) level of 50 parts per billion (ppb). A summary of the water quality sampling results for the past eleven (11) years, including this past year, are presented in the table below. All sampling and analyses conducted for the eleventh-year reporting period are in compliance with the requirements of the permit and approved sampling and testing standards and procedures. In 2017 Wellington managed and removed 170,950 pounds of phosphorus from the equestrian operations and 4,800 pounds from other Best Management Practices for a total of about 80 metric tons.

Total Phosphorus Data

2007 through 2017 Reporting Period

	2017 (ppb)	2016 (ppb)	2015 (ppb)	2014 (ppb)	2013 (ppb)	2012 (ppb)	2011 (ppb)	2010 (ppb)	2009 (ppb)	2008 (ppb)	2007 (ppb)
TP (Average Annual Geometric Mean)	38.8	42.5	41.5	42.3	42	28.6	29.6	45.1	45.2	28	38.5

As shown in the table, TP levels for the eleven-year reporting period remain well below the 50 ppb target level, demonstrating that Wellington stormwater management programs are effective.

Activities over the past eleven years that have contributed to achieving the TP target level include:

- Continued implementation and enforcement of Best Management Practices and Ordinances
- Ongoing maintenance of the stormwater management system (canal dredging, canal sump cleaning, mechanical weed harvesting, pump station trash rack debris removal, street sweeping, and equestrian waste management and disposal)
- Continued implementation and enforcement of stormwater permit criteria for land development
- Continued monitoring and maintenance of the vegetation in the Wellington Environmental Preserve

Section 1 – Introduction

Pursuant to the SFWMD Permit, Wellington/AID continues to take significant strides to reduce (TP) levels and improve the quality of surface water discharged to the regional surface water system. This annual report provides the results for the storm water quality testing over the past year, as well as, the actions taken by Wellington/AID to maintain and improve surface water quality.

Section 2 – Surface Water Sampling Program - Phosphorus

Wellington collected and tested approximately 750 surface water samples for TP from 30 sampling sites (shown on Exhibit A) from October 2016 through September 2017. As prescribed, Wellington collected samples after October – September each storm event and/or bi-weekly at each location. The sampling locations include the five (5) locations where the Wellington/AID system discharges to the regional water system (C-51 Canal). All samples were collected and tested in accordance with accepted standards and protocols. Wellington personnel collected all samples. TP laboratory testing was conducted by Pace Environmental, Inc. of Ormond Beach, Florida, a private, independent laboratory.

A summary of the annual geometric mean of TP levels for the five discharge locations for the eleven years of data is provided in the table below:

Composite Annual Average Geometric Mean Total Phosphorus Values

2007 through 2017 Reporting Period

	2017 (ppb)	2016 (ppb)	2015 (ppb)	2014 (ppb)	2013 (ppb)	2012 (ppb)	2011 (ppb)	2010 (ppb)	2009 (ppb)	2008 (ppb)	2007 (ppb)
TP (Average Annual)	38.8	42.5	41.5	42.3	42	28.6	29.6	45.1	45.2	28	38.5

As shown in the table, the average annual geometric mean for TP levels for the eleven-year reporting period is consistently below the 50 ppb target level.

The individual test results for each of the five C-51 discharge locations for October 1, 2016 – September 30, 2017, are provided in Exhibit B. The spreadsheet provided is color coded. Clear cells contain TP values less than 50 ppb. Blue cells contain values between 51-150 ppb. Red cells contain values over 150 ppb. The use of annual geometric mean values to represent annual data sets is consistent with the FDEP Impaired Water Rule and applicable numeric nutrient criteria.

Exhibit C provides a summary of the data for all the sampling locations that are a part of Wellington's surface water quality sampling program for October 1, 2016 – September 30, 2017. As shown in Exhibit C, the highest annual

geometric mean levels are in Basin B at Sites 44. Land uses adjacent to these sites include equestrian, parks, utilities, and residential land uses. Per State Statutes, Best Management Practices (BMPs) for equestrian fall under the authority of the Florida Department of Agricultural and Consumer Services (FDACS).

Section 3 – Best Management Practices and Infrastructure Maintenance

Wellington has adopted and implemented a variety of BMPs geared toward reducing TP – either by source control or by operational and maintenance activities. Key practices and revisions are described below.

Fertilizer Control

As part of Wellington's BMP Ordinance (No 2012-12), the Village adopted standards to enhance BMP's for fertilizer storage and application.

Key provisions of this Ordinance include:

- All fertilizers shall be stored in a dry storage area protected from rainfall and ponding.
- Fertilizers containing an excess of two percent phosphate/phosphorus per guaranteed analysis label shall not be applied to turf grass, pastures, paddocks, or be used in nurseries unless justified by a soil test.
- Fertilizers in excess of two percent phosphate/phosphorus shall not be applied within ten feet of the edge of water or within ten feet of a drainage facility.
- Liquid fertilizers in excess of two percent phosphate/phosphorus shall not be applied through an irrigation system within ten feet of the edge of water or drainage facility.
- Fertilizers must be applied in accordance with the published application rates and frequencies. No additional application of fertilizers is permissible unless soil tests determine a deficiency.
- Fertilizers and grass clippings shall be removed from impervious surfaces and prevented from entering the surface water system.
- Commercial fertilizer applicators must possess required certifications and licenses and must register with Wellington.

Licensed Village Code Compliance Officers are responsible for making inspections of fertilizer storage areas to ensure compliance with the provisions of this section of the Code of Ordinances. Wellington also has developed a public education campaign to educate residents on the proper types, storage, amounts and application of fertilizers. The Village will continue to enforce the provisions of the ordinance.

Livestock Waste Storage and Disposal

The Village Code of Ordinance Section 30-153 provides standards for the storage and disposal of livestock waste. Provisions in the Ordinance include:

- Each livestock facility must have an approved waste storage area.
- Livestock waste storage areas are required to have an impermeable floor with sidewalls on three sides.
- The size of the storage area must be proportioned to the number of livestock served by the storage area.
- Approved roll-off or dumpster containers must be placed on a concrete or asphalt pad with a lip around it to contain seepage.
- All livestock waste storage areas must be covered.
- Waste storage areas must be located at least five (5) feet away from any roof overhang, fifty (50) feet from any public drainage conveyance or drainage inlet, at least one hundred (100) feet from any waterbody and at least one hundred (100) feet from a potable water supply well.
- All livestock waste must be hauled to an approved disposal site and haulers must be registered.
- Haulers are required to submit annual reports on the amount of material removed.

Equestrian waste haulers reported 209,803 cubic yards (68,380 tons) of collected manure and bedding material properly disposed of for the reporting period. Based on the FDACS BMP manual for equine operations, the average phosphorus concentration is 2.5 pounds per ton of manure containing bedding material. Therefore, the amount of phosphorus removed by this program is estimated at 170,950 pounds.

Mechanical Weed Removal

The Village uses and maintains a weed harvester as part of its overall maintenance program to keep Village waterways functional for stormwater conveyance, as well as appearance. The weed harvester is able to cut five and a half (5 ½) feet below the water's surface. Material is removed from the water and transferred to a dump truck where it is disposed of at the Public Works Storage site in vegetation containers for periodic removal by a contracted waste management service. The need for operation of the weed harvester is determined by visual inspection of the waterways. During the 2016-2017 reporting period, 216 cubic yards of material were removed.

Using the Florida Stormwater Association Nutrient Removal Assessment Tool, this equates to 180 pounds of phosphorus removed.

Canal Dredging and Sump Cleaning

Canal dredging and canal sump cleaning at 7 sites is carried out for the purpose of removing bottom sediments and reusing them to stabilize the canal right-of-way. Proactive maintenance of the Village's canal system is necessary to keep the waterways clean and functional for stormwater conveyance, with the added benefit of enhancing the visual appearance. Therefore, the Village of Wellington Public Works Department performs canal dredging maintenance work throughout the Village waterways. Annual and periodic inspections determine what canals, if any, have sediment buildup. Once these canals are identified, the depth of the canal is measured and, if determined to be insufficient, are placed on the schedule to be dredged.

In the reporting period October 2016 – September 2017 Wellington's canal dredging program and canal sump cleaning removed 1,630 cubic yards of material from the waterways. Based on Pace Analytical Laboratory analysis of the April 2017 samples, 494 lbs. of phosphorous was removed.

Pump Station Trash Rack Debris Removal

Trash racks are located at Pump Stations #3, 4, 6, 7, 8, and 9 and are part of the maintenance activities used to remove trash and debris from the Village's waterways. These racks are programmed to automatically turn on and run whenever pumps are discharging water. The racks place the debris to the side of the canal to be pick up manually and transported to the Public Works Storage site in vegetation containers for periodic removal by a contracted waste management company.

In this reporting period, Wellington's pump station trash racks removed 306 cubic yards of material. Using the Florida Stormwater Association Nutrient Removal Assessment Tool, this equates to 255 pounds of phosphorus removed.

Street Sweeping

Wellington maintains a Street Sweeping Program that collects and removes debris (paper, leaves, vegetation, metals, waste products, sediments, etc.) from streets and roadways within the Village. This program has two primary benefits – flood prevention and improved stormwater quality. Debris can cause blockages in the stormwater facilities resulting in localized flooding during rainfall events. If left in place, vegetation and other materials can break down to release nutrients into the waterways. Collection and removal of this debris prevents these materials from reaching and degrading Wellington's surface waters. Sweeping is performed daily following a pre-determined route from Monday through Thursday. Street sweeping frequency varies by specific roadway and may be weekly, bi-weekly, or monthly. During the reporting period, 4,516 miles of roadway were swept and 1,035 cubic yards of material were removed. Using the Florida Stormwater Association Nutrient Removal Assessment Tool, this equates to 857 pounds of phosphorus removed.

Catch Basin Cleaning

Wellington has an inventory of 2,173 catch basins. In the 2016-2017 reporting period, these catch basins were inspected approximately twice a month, for accumulation of trash, debris, vegetation, sediment and general condition. Any material discovered in these catch basins was collected and placed in bags for disposal.

During the reporting period, Wellington's catch basin cleaning program removed 1,004 cubic yards of material. Using the Florida Stormwater Association Nutrient Removal Assessment Tool, this equates to 1,051 pounds of phosphorus.

Culvert Cleaning

In 2015, Wellington's inventory of culverts totaled 35.4 miles. Wellington has a goal to inspect at least 10% of these culverts annually. During the reporting period, 3.9 miles were inspected and Wellington's culvert cleaning program removed 36 cubic yards of material. Using the Florida Stormwater Association Nutrient Removal Assessment Tool, this equates to 43 pounds of phosphorus removed.

Litter Control

Wellington conducts three litter control programs. Wellington roadway staff weekly collects roadway trash/litter along its 1,722 miles of roadway. Wellington Public Works personnel has an Adopt-A-Road Program covering 33.3 miles. Wellington also participates in a neighborhood annual Keep Palm Beach County Beautiful/America Clean Event. Total amount of material collected in the 2016 – 2017 reporting period was 2,103 cubic yards which equates to 1,934 pounds of phosphorus removed.

Annual Phosphorus Load Reduction

Wellington's 2016-2017 BMP program removed an estimated total of 80 metric tons of phosphorus from the stormwater management system (equestrian waste, street sweeping, mechanical weed removal, canal dredging, canal sump cleaning, pump station trash rack debris removal, catch basin cleaning, culvert cleaning and litter control) prior to discharging into the C-51 Canal.

Section 4 – Other Programs

Land Development Permit

In the 2016-2017 reporting period, Wellington received 262 proposed site plan applications and approved 194 plans. The review and approval included both temporary and permanent stormwater treatment practices. Project applicants were advised that coverage may be required under the FDEP National Pollutant Discharge Elimination System (NPDES) Construction Generic Permit (CGP) and/or a SFWMD Environmental Resource Permit (ERP). During the reporting period, 132 projects were notified of needing CGP coverage and ERP coverage. Wellington's engineering personnel confirmed that 50 projects required and obtained CGP and ERP coverage. During construction of both Wellington-owned and private sites, Wellington engineering staff performed construction site inspections which included observation of proper stormwater, erosion and sedimentation control BMPs. During the reporting period, 132

construction projects were inspected and a total of 2,234 inspections were carried out. Wellington issued 71 Notices of Violation.

Wellington Environmental Preserve

Wellington's Environmental Preserve (Section 24) is located in Section 24, Township 44 South, Range 40 East, Palm Beach County Florida (west of water quality monitoring Sites 9-In and S24-Out). Section 24 includes 251.5 acres of wetlands and a 364.4-acre impoundment. The primary purpose of the impoundment is for stormwater storage and attenuation (flood protection). Additional benefits include passive recreation and stormwater water quality improvement. Wellington staff inspects and maintains this facility including the control of invasive exotic vegetation and monitoring the growth of the natural vegetation and planting. During the reporting period, the invasive exotic coverage was 4%, the marsh coverage was 85%, and the survivorship of the tree/scrub species was 90%. Review of Exhibit C indicates that the annual geometric mean for total phosphorus in water leaving the impoundment was reduced by 24%

Florida Department of Agricultural and Consumer Services (FDACS)

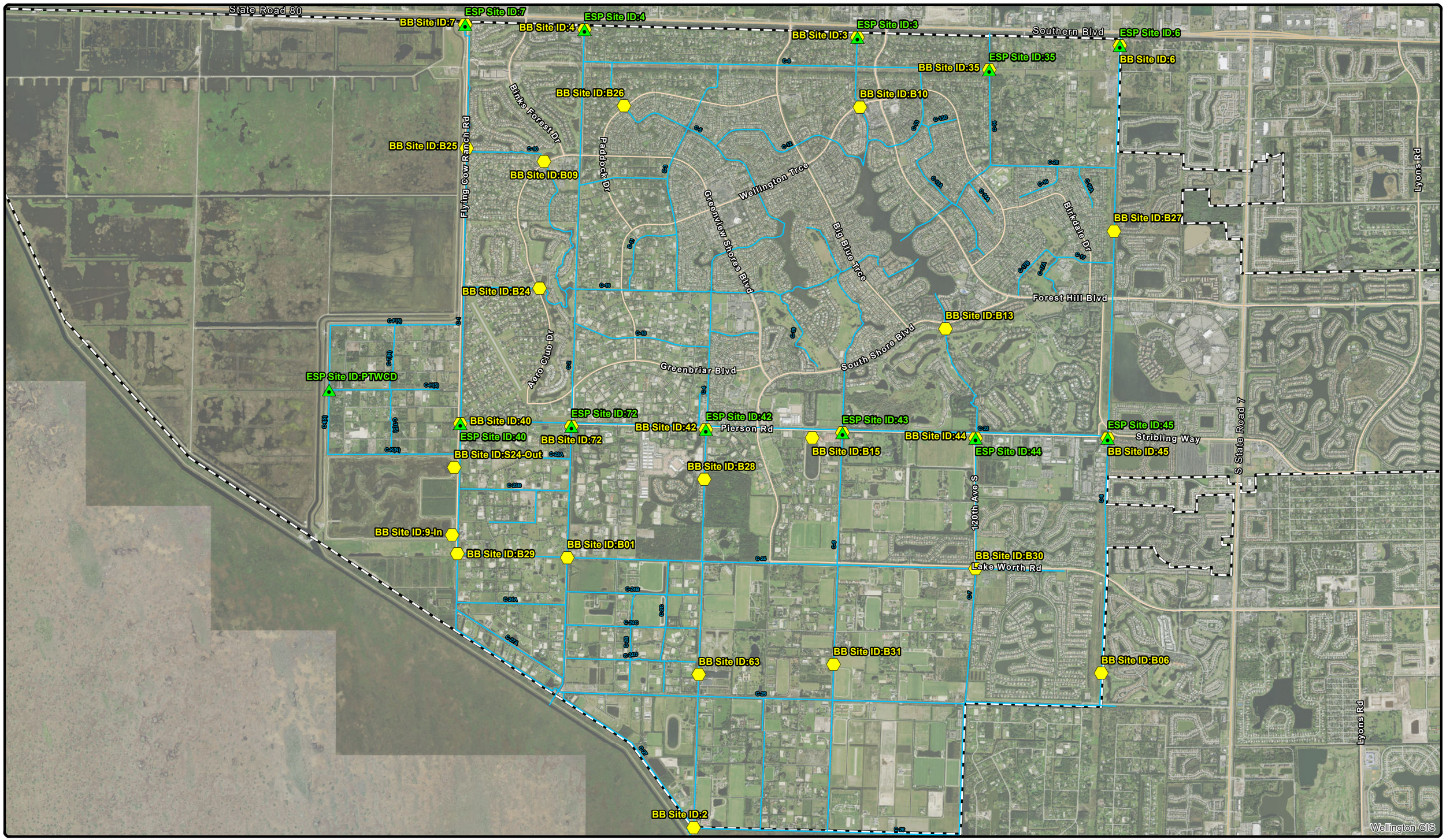
In June 2016, FDACS sent a letter to Wellington indicating that Wellington's BMPs for equine operations and nurseries are in a jurisdictional conflict with Florida Statutes and the FDACS BMP program. A bona fide farm operation on land classified as agricultural is regulated through implemented BMPs adopted either by FDACS or the SFWMD. Since SFWMD has not adopted Wellington's BMPs as their own, the FDACS BMPs are applicable. In response, Wellington has initiated discussions with FDACS to develop a cooperative program. On May 9, 2017, Wellington Village Council approved resolution No. 2017-16 which authorized the Mayor to execute Memorandum of Agreement No. 24182 between Wellington and FDACS regarding enrollment and implementation of FDACS Equine Best Management Practices. This agreement addresses BMP enrollment in FDACS program, BMP enrollment training, technical assistance, implementation assurance visits of enrolled equine BMP and landowners, and follow-up by FDACS of any BMP implementation deficiency noted by Wellington staff. Currently, Wellington is working with FDACS on enrollment and education of the FDACS BMPs as they relate to water quality. Updates and success of this program will be reported in future Wellington Annual Water Quality Reports.

Palm Beach County Waste Pilot Program

Historically, recycling waste such as horse manure into reusable product is considered an industrial activity which is not allowed in agricultural areas. However, as a result of discussions with the Wellington Commissioners and meetings with Palm Beach County staff on February 25, 2017, the County Commission adopted an amendment to the Unified Land Development Code to allow a Pilot Project for an equestrian waste recycling facility, limited to the Special Agriculture future land use in the Glades Tier, in order to allow this use closer to the equestrian hub in Wellington, Loxahatchee Groves, and the surrounding Palm Beach County Western Communities.

In March 2017, a recycling company submitted a request for Palm Beach County Zoning approval for a equine waste recycle facility to be located in the Glades, about halfway between Belle Glade and Wellington, inside the Everglades

Agricultural Area. The proposed site would be self-contained and comply with all BMPs for equestrian waste. Initially, the County Commission was supportive, however, food safety concerns raised by adjacent farming operations resulted in the recycling company withdrawing the application. On November 30, 2017, the Palm Beach County Commission adopted an Ordinance (ORD 2017-42) to amend the Unified Land Development Code (Ordinance 2003-067), and enacting a one year moratorium on zoning approvals for equestrian waste management facilities, or any composting facility that includes equestrian waste, animal waste or biosolids, within the Glades Tier of unincorporated Palm Beach County, excluding accessory uses to a bona-fide agricultural operation.



Wellington • 12300 Forest Hill Blvd • Wellington, FL 33414 • 561.791.4000 • www.wellingtonfl.gov

SHEET NO.	1	1
DATE	12/27/2017	
DRAWN	Christian Nakotey	
SCALE	1 in = 1 mile	
REQUESTED	Susan Trzepacz	
FILENAME	ExhibitsMap	
Work Order #	000000	

N W E S

Surface Water Sample Sites
Exhibit A
Village of Wellington

- Everglades Stormwater Program (ESP) Sites
- Basin B Bi-Weekly Sites
- Canals
- Municipal Boundary

The Village of Wellington GIS

EXHIBIT B
Sampling Event TP Values for Wellington Discharge Locations

	Pump Station 3	Pump Station 4	Structure 35	Pump Station 6	Pump Station 7
10/19/2016	40	30	21	52	34
11/2/2016	21	25	24	37	21
11/16/2016	29	25	24	24	26
11/30/2016	31	47	36	19	39
12/13/2016	53	34	29	6	13
12/29/2016	30	29	34	15	26
1/11/2017	35	21	28	16	32
1/25/2017	27	26	32	24	19
2/8/2017	59	99	37	17	43
2/22/2017	68	83	29	37	58
3/8/2017	38	63	18	17	34
3/22/2017	46	72	22	17	29
4/5/2017	52	42	46	27	47
4/19/2017	130	130	29	19	45
5/3/2017	84	70	24	22	34
5/17/2017	54	56	31	27	27
5/31/2017	190	70	27	21	26
6/14/2017	93	110	31	37	47
6/28/2017	80	95	31	30	58
7/12/2017	95	76	42	40	59
7/26/2017	96	40	41	34	47
8/9/2017	42	38	38	21	27
8/23/2017	40	48	35	23	48
9/6/2017	36	120	27	71	18
9/20/2017	37	76	43	62	38
Annual Geometric Mean	**51.7**	**53.2**	**30.3**	**25.2**	**33.4**

Target TP Goal for the Annual Geometric Mean is 50 ppb

All Sites Average of Geometric Mean = 38.8

≤ 50 ppb

>50 ppb, ≤ 150 ppb

>150 ppb

EXHIBIT C
Sampling Event TP Values for all Wellington Sampling Locations
October 2016 - September 2017

	PS2	PS3	PS4	PS6	PS7	35	40	42	43	44	45	63	72	B1	B6	B9	B10	B13	B15	B24	B25	B26	B27	B28	B29	B30	B31	9-IN	S24-Out
10/19/2016	34	40	30	52	34	21	52	62	68	110	68	79	51	57	66	37	32	66	47	170	95	43	43	73	48	47	56	58	37
11/2/2016	45	21	25	37	21	24	33	40	54	69	48	61	42	38	52	23	29	110	64	240	28	39	29	49	41	32	46	32	28
11/16/2016	41	29	25	24	26	24	27	42	60	230	58	53	59	38	80	24	20	64	63	79	19	50	30	66	38	40	44	30	43
11/30/2016	37	31	47	19	39	36	42	56	42	510	74	57	44	40	61	61	21	69	56	71	20	52	26	54	45	37	230	39	69
12/13/2016	39	53	34	6	13	29	27	46	41	160	73	100	38	43	60	19	34	58	49	48	15	40	37	43	35	31	52	33	40
12/29/2016	44	30	29	15	26	34	38	54	51	170	81	50	38	55	41	19	35	58	42	55	23	33	29	49	36	31	41	36	25
1/11/2017	40	35	21	16	32	28	28	36	41	290	63	57	41	39	42	29	26	56	49	65	24	70	18	50	38	22	43	32	32
1/25/2017	48	27	26	24	19	32	38	39	42	220	60	64	58	42	50	28	21	53	51	57	32	42	24	32	37	28	55	39	52
2/8/2017	58	59	99	17	43	37	140	46	50	350	100	60	44	74	81	31	44	46	36	49	40	34	24	46	37	35	47	36	36
2/22/2017	54	68	83	37	58	29	39	48	59	340	84	93	49	41	38	38	61	56	35	46	47	53	70	53	42	30	51	38	41
3/8/2017	38	38	63	17	34	18	32	39	85	470	75	67	41	42	39	37	23	38	38	37	26	30	38	44	45	34	38	43	44
3/22/2017	52	46	72	17	29	22	35	52	83	190	77	49	57	64	40	24	34	36	43	42	29	26	24	47	36	28	36	32	39
4/5/2017	89	52	42	27	47	46	45	66	66	340	96	72	55	55	69	33	33	51	35	50	32	38	51	62	53	34	53	44	26
4/19/2017	25	130	130	19	45	29	47	51	46	170	99	38	43	49	38	22	58	46	34	37	32	34	30	74	46	39	44	47	33
5/3/2017	49	84	70	22	34	24	93	82	55	79	98	52	56	50	52	27	31	100	33	37	29	33	38	59	58	33	92	83	30
5/17/2017	60	54	56	27	27	31	54	70	97	120	97	44	43	55	48	150	35	42	29	43	26	46	26	80	41	37	40	44	31
5/31/2017	76	190	70	21	26	27	31	83	85	290	65	43	34	170	43	22	30	40	27	31	15	42	30	59	44	38	44	39	33
6/14/2017	150	93	110	37	47	31	12	150	170	170	49	140	76	130	37	120	96	120	74	60	36	110	36	120	50	39	98	75	9.8
6/28/2017	74	80	95	30	58	31	76	140	200	170	57	140	75	87	110	78	87	100	57	45	50	69	39	48	50	30	75	53	20
7/12/2017	64	95	76	40	59	42	45	82	94	150	40	73	36	36	22	42	230	46	48	27	34	41	16	52	30	30	39	38	22
7/26/2017	45	96	40	34	47	41	31	62	110	120	53	62	43	40	60	60	57	37	32	34	26	27	17	56	30	22	45	38	18
8/9/2017	54	42	38	21	27	38	34	71	63	130	43	51	29	34	61	41	41	50	45	34	28	31	30	48	43	29	57	33	27
8/23/2017	58	40	48	23	48	35	48	64	79	99	54	100	55	51	78	100	42	58	46	37	49	37	32	78	38	38	68	43	24
9/6/2017	28	36	120	71	18	27	36	54	57	94	39	41	24	26	84	67	32	58	22	66	22	70	66	41	23	25	26	30	9.7
9/20/2017	100	37	76	62	38	43	21	89	100	90	59	99	100	42	63	110	43	160	45	58	31	48	38	90	22	40	66	30	86
Annual Geometric Mean	51.6	51.7	53.2	25.2	33.4	30.3	39.2	60.4	69.0	176.5	65.8	65.3	47.0	50.6	53.5	40.7	39.6	59.6	42.3	52.2	29.7	42.9	31.5	56.5	39.3	32.6	53.2	40.2	30.6

≤ 50 ppb

>50 ppb, <150 ppb

>150 ppb

December 28, 2017

Wellington Major Outfalls for MS4 Permit

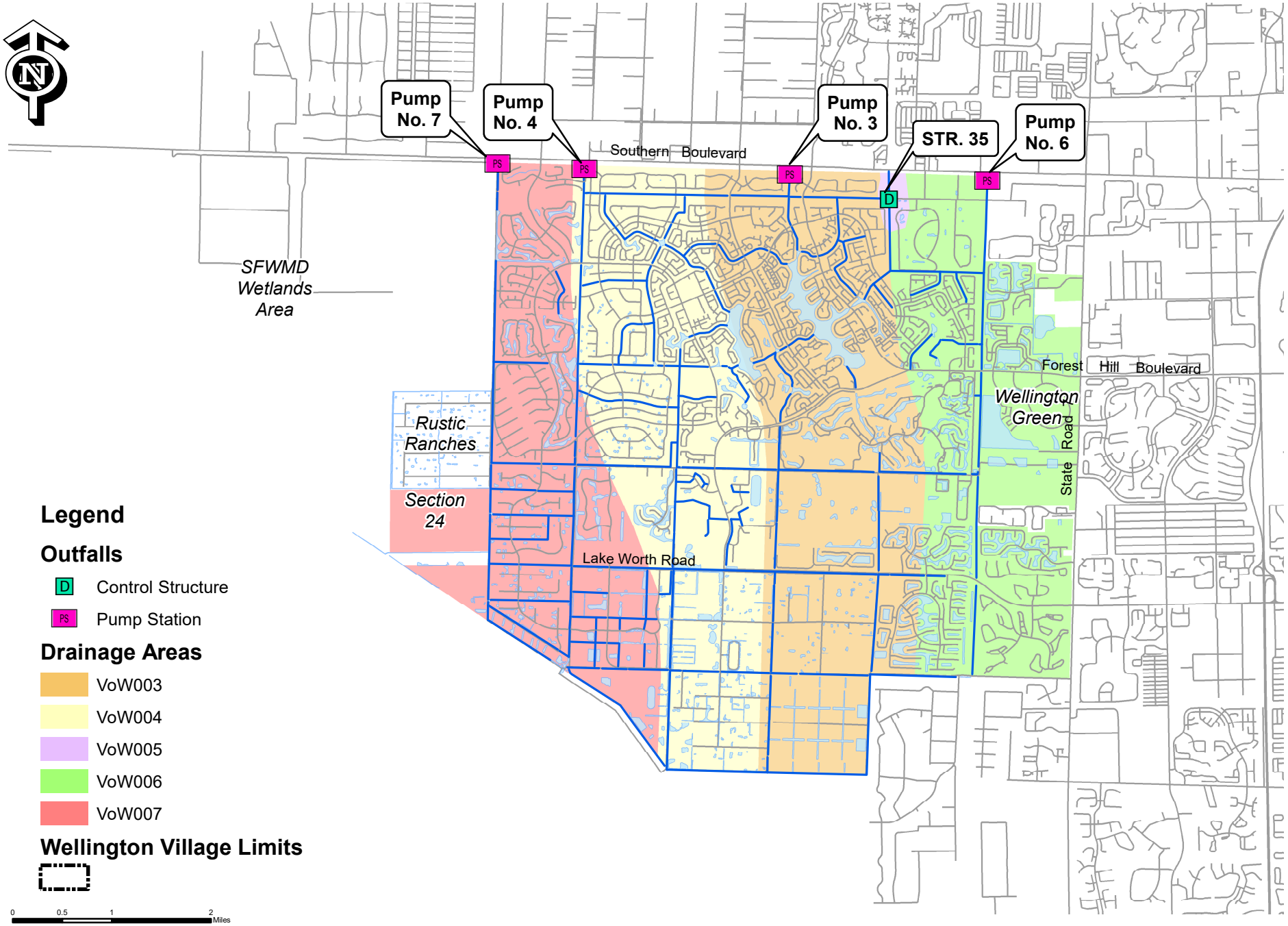
Structure No. 35
Lat: 26 40'37.06"N
Long: 80 14'4.00"W
(2) 60" CAP- 60 LF each with Slide Gate each

Pump Station No. 3
Lat: 26 40'50.01"N
Long: 80 15'2.09"W
(2) 54" CSP- 44-LF each with 60,000 GPM Pump each
(1) 72" CAP- 44-LF with Slide Gate

Pump Station No. 4
Lat: 26 40'53.64"N
Long: 80 17'2.56"W
(2) 54" CSP- 40-LF each with 60,000 GPM Pump each
(1) 72" CAP- 40-LF with Slide Gate

Pump Station No. 6
Lat: 26 40'45.97"N
Long: 80 13'6.18"W
(2) 54" CSP- 40-LF each with 60,000 GPM Pump each

Pump Station No. 7
Lat: 26 40'55.84"N
Long: 80 17'55.24"W
(3) 48" CSP- 140-LF each with 50,000 GPM pump each
(1) 48" AP- 160LF with Slide Gate



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PA. No.: B0732.00

Prepared by:

MOCK • ROOS
ENGINEERS • SURVEYORS • PLANNERS

May 2018

THE VILLAGE OF WELLINGTON

MS4 Outfalls & Associated Drainage Areas
Wellington MS4 NPDES