Sarasota County

June 22, 2016

Borja Crane-Amores
Program Administrator
Florida Department of Environmental Protection
NPDES Stormwater Section, Mail Station 2500
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: Annual Report for Sarasota County Municipal Separate Storm Sewer System (MS4) NPDES Permit No. FLS000004

Dear Mr. Crane-Amores,

Enclosed please find Sarasota County's MS4 Annual Report for the permit Year 2 period from January 1, 2015 through December 31, 2015. Note that our Co-Permittees, which includes the City of Sarasota, the City of Venice, the City of North Port, the Town of Longboat Key, and the Florida Department of Transportation, District 1, will send separate annual reports.

If you have any questions, please contact me at (941)218-0098 or at rjannema@scgov.net.

Sincerely,

Rene A. Janneman

Rene A. Janneman
Environmental Specialist III

Cc: Scott N. Schroyer, Director, Public Utilities, Sarasota County
Tom Barwin, City Manager, City of Sarasota
Edward F. Lavallee, City Manager, City of Venice
Jonathan Lewis, City Manager, City of North Port
Dave Bullock, Town Manager, Town of Longboat Key
Steven Kelly, Environmental Administrator, FDOT District 1

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. Their names and email addresses are available at: http://www.dep.state.fl.us/water/stormwater/npdes/contacts.htm. If files are larger than 10mb, materials may be placed on the NPDES Stormwater ftp site at: ftp://ftp.dep.state.fl.us/pub/NPDES_Stormwater/. After uploading the ANNUAL REPORT files, an email must be sent to the MS4 coordinator or the NPDES program administrator notifying them the report is ready for downloading
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below**

SECTION I. BACKGROUND INFORMATION			
A.	Permittee Name: Sarasota County		
B.	Permit Name: Sarasota County Municipal Separate Storm Sewer System		
C.	Permit Number: FLS000004-004 (Cycle 4)		
D.	Annual Report Year: ☐ Year 1 ☒ Year 2 ☐ Year 3 ☐ Year 4 ☐ Year 5 ☐ Other, specify Year:		
E.	Reporting Time Period (month/year): 1/2015 through 12/2015		
F.	Name of the Responsible Authority: Thomas A. Harmer		
	Title: County Administrator		
	Mailing Address: 1660 Ringling Blvd		
	City: Sarasota	Zip Code: 34236	County: Sarasota
	Telephone Number: (941)861-5000	Fax Number:	
	E-mail Address: countyadministrator@scgov.net		
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Rene A. Janneman		
	Title: Environmental Specialist III		
	Department: Public Utilities Stormwater		
	Mailing Address: 1001 Sarasota Center Blvd		
	City: Sarasota	Zip Code: 34240	County: Sarasota
	Telephone Number: (941)218-0098	Fax Number:	
	E-mail Address: rjannema@scgov.net		

SECTION II. MS4 MAJOR OUTFALL INVENTORY (Not Applicable In Year 1)	
A.	Number of outfalls ADDED to the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? ☐ Yes ☐ No ☒ Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 6 (Does this number include non-major outfalls? ☐ Yes ☒ No ☐ Not Applicable) Removed (6) outfalls that belong to FDOT and are included in their major outfall inventory.
C.	Is the change in the total number of outfalls due to lands annexed or vacated? ☐ Yes ☒ No ☐ Not Applicable

SECTION III. MONITORING PROGRAM

A.

Provide a brief statement as to the status of monitoring plan implementation:

DEP Note: The co-permittees may refer to the Sarasota County AR here as follows: "The monitoring plan is carried out through an inter-local agreement with Sarasota County. Please see the Sarasota County Annual Report for the monitoring information."

The monitoring reports are located on the **Sarasota County Water Atlas** site at:

1. Bay Conditions: http://www.sarasota.wateratlas.usf.edu/bay-conditions/
2. Creek Conditions: http://www.sarasota.wateratlas.usf.edu/creek-conditions/
3. Oyster Monitoring: http://www.sarasota.wateratlas.usf.edu/oysters/
4. Seagrass Monitoring: http://www.sarasota.wateratlas.usf.edu/seagrass/
5. Scallop Monitoring: http://www.sarasota.wateratlas.usf.edu/upload/documents/2015-Sarasota-County-Scallop-Program-Update-052616.pdf
6. Pollutant Load Modeling: To be reported Year 3 Annual Report
7. Rainfall: http://www.sarasota.wateratlas.usf.edu/rainfall/

B.

Provide a brief discussion of the monitoring results to date:

DEP Note: See Part V of the permit for the monitoring requirements. Each permittee must discuss the monitoring results as it relates to the implementation and effectiveness of their SWMP.

1. Two of 6 bays passed the Bay Conditions Index, 4 were in the caution category and none failed. The Index is based on chlorophyll, nitrogen and phosphorus. It is expected that TMDL work in Phillippi Creek and Alligator Creek, as well as the Dona Bay Project will improve bay water quality.
2. Nine of 17 creeks passed the Creeks Condition Index; 8 were in the caution category and none failed. The Index is based on chlorophyll, nitrogen, phosphorus and dissolved oxygen. The index may be skewed low by the naturally low dissolved oxygen levels in wetlands and groundwater.
3. Twelve of 25 oyster monitoring stations passed, another 10 were in the caution category, and 3 failed. Failure was found in Shakett Creek and Curry Creek where excess freshwater has a deleterious effect on oyster survival. Pass is >75%; Caution is 75-50% and Fail is <50%.
4. 159 Seagrass locations were monitored throughout the bays. These data map the spatial distribution of seagrass by species, height, epiphyte coverage and biological factors like grazing.
5. Scallop monitoring sites throughout the county had (313) combined landings in 2015. This is a 683% increase over the 2014 annual totals.
6. Sarasota County maintains the SIMPLE-Monthly model to assess pollutant loading from watersheds.
7. During the reporting period there was an average amount of rainfall (52 inches) but it varied from month to month and place to place. Rainfall is an important measure that is tied to runoff pollution and loading.

C.

Attach a monitoring data summary, as required by the permit.

The monitoring data summary reports are located on the **Sarasota County Water Atlas** site at:

1. Bay Conditions: http://www.sarasota.wateratlas.usf.edu/bay-conditions/
2. Creek Conditions: http://www.sarasota.wateratlas.usf.edu/creek-conditions/
3. Oyster Monitoring: http://www.sarasota.wateratlas.usf.edu/oysters/
4. Seagrass Monitoring: http://www.sarasota.wateratlas.usf.edu/seagrass/
5. Scallop Monitoring: http://www.sarasota.wateratlas.usf.edu/upload/documents/2015-Sarasota-County-Scallop-Program-Update-052616.pdf
6. Pollutant Load Modeling: To be reported Year 3 Annual Report
7. Rainfall: http://www.sarasota.wateratlas.usf.edu/rainfall/

SECTION IV. FISCAL ANALYSIS

A.

Total expenditures for the NPDES stormwater management program for the current reporting year: **$41,043,253**

DEP Note: If program resources have decreased from the previous year, attach a discussion of the impacts on the implementation of the SWMP as per Part II.F of the permit.

B.

Total budget for the NPDES stormwater management program for the subsequent reporting year: **$38,193,520**

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	
☒	☐	***DEP Note: Please complete Checklists A & B at the end of the tailored form.*** 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.
		-Attachment I: Yr2 Development Code Review
		-Attachment II: Yr2 TMDL Update
☒	☐	A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
☐	☒	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.
☐	☒	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.
☐	☒	Year 4 ONLY: Permit re-application information in accordance with Rule 62-624.420(2), F.A.C.

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 A. Harmer

Title: County Administrator

Signature: _____ Date: 6/15/16

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
Part III.A.1	**Structural Controls and Stormwater Collection Systems Operation**				

Maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures operated by the permittee, including, at a minimum, all of the types of control structures listed in Table II.A.1.a of the permit. Report the current known inventory.

DEP Note: The permittee needs to "customize" this section by adding any structural controls to the list below that are part of the permittee's MS4 currently or are planned for the future. The permittee may remove any structural controls listed that it does not have currently or will likely not have during this permit cycle. Please see the attached description of each type of structure. In addition, 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.

Provide an inventory of all known major outfalls covered by the permit and a map depicting the location of the major outfalls (hard copy or CD-ROM). Provide the outfall inventory and map with the Year 1 Annual Report.

Report the number of inspection and maintenance activities conducted for each 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. 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.

DEP Note: If the minimum inspection frequencies set forth in Table II.A.1.a of the permit were not met for one or more type of structure, the permittee must 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. Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.

Maintain documentation of the wet detention systems in the Adopt-A-Pond program. Report the number of systems in the Adopt-A-Pond program.

Type of Structure	Number of Activities Performed					Documentation / Record	Entity Performing the Activity	Comments
	Total Number of Structures	Number of Inspections	Percentage Inspected	Number of Maintenance Activities	Percentage Maintained			
Grass treatment swales (miles)	336.3	270	80.3%	49.7	14.7%	I:\EnvSBC\ NPDES\Annual Reports\2015 Annual Report\ Documentation\ Public Utilities	Drainage Ops and Road & Bridge Doug Epley Ben Quartermaine	Roadside Ditch Maintenance

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**				**Number of Activities Performed**		**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Wet detention and Dry detention systems	254	3048	100%	254	100%	Contracted Labor Procurement	Lakes and Ponds Contract William Hamann	Wet and Dry Detention is not differentiated due to relative shallow ground water level
	Pollution control boxes	19	76	100%	19	100%	MAXIMO Database	MAXIMO Jean Miles PU-Stormwater Ben Quartermaine	
	Stormwater pump stations	2	24	100%	2	100%	MAXIMO Database	MAXIMO Jean Miles PU-Stormwater Ben Quartermaine	
	Major stormwater outfalls	51	51	100%	0	0	MAXIMO Database	PU-Stormwater Art horn Ben Quartermaine	Removed FDOT Outfalls from inspection
	Weirs or other control structures	100	100	100%	1	1%	MAXIMO Database	PU-Stormwater William Hamann Ben Quartermaine	Our database was updated to remove structures not controlling flow in channels
	MS4 pipes / culverts (miles)	187.4	31.07	16.5%	0.65	0.4%	I:\EnvSBC\ NPDES\Annual Reports\2015 Annual Report\ Documentation\ Public Utilities	MAXIMO & Survey Jean Miles Jason Brown	Primary O&M was pipe lining
	Inlets / catch basins / grates	7842	2394	30.5%	214	2.7%	DataSplice; GIS and MAXIMO	PU-Stormwater Art Horn	Includes Inspections, cleaning and survey
	Ditches / conveyance swales (miles)	235	235	100%	223	94.8%	I:\EnvSBC\ NPDES\Annual Reports\2015 Annual Report\ Documentation\ Public Utilities	MAXIMO Jean Miles PU-Stormwater Ben Quartermaine	Bank Mowing & Excavation included as inspections
	ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were not met						n/a		
	Year 1 ONLY: Attach a map of all known major outfalls						n/a		

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Part III.A.2	**Areas of New Development and Significant Redevelopment**				
	Report the number of significant redevelopment projects reviewed by the permittee for post-development stormwater considerations. Report the number of new development projects reviewed under Part III.A.9.a *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.*				
	Number of significant redevelopment projects reviewed	5	\\BCCSHARE\ shared\EnvSBC\ \Planning & Regulatory\ ENVIRONMENTAL\ WATERQUALITY PLANNING\NPDES\ Annual	PU-Stormwater Robert Bresciani	
	Provide in the Year 2 Annual Report the summary report of the review of local codes activity. Provide in the Year 4 Annual Report the follow-up report on plan implementation of modifying codes to allow low impact design BMPs. *DEP Note: Refer to Part III.A.2 of the permit for details regarding what the review entails, and what must be included in the summary report and follow-up report. Please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.*				
	Year 2 ONLY: Attach the summary report of the review activity		Yr. 2 Development Code Review	Air & Water Quality Laura Ammeson	Attachment II
	Year 4 ONLY: Attach the follow-up report on plan implementation		n/a		
Part III.A.3	**Roadways**				
	Annually review (and revise, as needed) and implement the permittee's written procedures for the litter control program(s) for public streets, roads, and highways, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Implement the program on a monthly, or on an as needed, basis. 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. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. In addition, the permittee may choose its own units of measurement for the reporting items. Unit options for the amount of litter include: bags, cubic yards, pounds, tons. Unit options for the amount of area covered by the activity include: square feet, linear feet, yards, miles, acres. If all litter collection is performed by staff or by contractors, but not by both, please remove the non-applicable reporting items.*				

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	PERMITTEE Litter Control Program: Frequency of litter collection	Daily	\\BCCSHARE\shared\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATER QUALITY PLANNING\NPDES\ Annual Reports\ 2015 Annual Report\ Documentation	FS-Road & Bridge Gregg Young	
	PERMITTEE Litter Control Program: Estimated amount of area maintained (miles)	1,118.7	GIS	GIS Sharon Schulte	Estimate is for County maintained road, not miles maintained
	PERMITTEE Litter Control Program: Estimated amount of litter collected (tons)	16.02	\\BCCSHARE\shared\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATER QUALITY PLANNING\NPDES\ Annual Reports\ 2015 Annual Report\ Documentation	FS-Road & Bridge Gregg Young	County In-house Mowing
	CONTRACTOR Litter Control Program: Frequency of litter collection	Daily	I:\EntOpsMaint\Field \Road Right of Way Systems\Permit Compliance\ Contract Files FY15	PU-Stormwater Bill Hamann	
	CONTRACTOR Litter Control Program: Estimated amount of area maintained (miles)	1,118.7	GIS	GIS Sharon Schulte	Estimate is for County maintained road, not contracted miles maintained
	CONTRACTOR Litter Control Program: Estimated amount of litter collected (pounds)	3,484.2	I:\EntOpsMaint\Field \Road Right of Way Systems\Permit Compliance\ Contract Files FY15	PU-Stormwater Bill Hamann	Maintenance Contracts Data; Swale: 2,767lbs Lake & Pond: 717.2lbs

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	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. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. The permittee may choose its own unit of measurement for the amount of litter collected. Unit options include: bags, cubic yards, pounds, tons. If an Adopt-A-Road or similar program is not implemented by the permittee, please note that in Column F but do not remove the Adopt-A-Road Program reporting items.*				
	Trash Pick-up Events: Total miles cleaned	107	H:\NPDES\2015	Keep Sarasota County Beautiful Wendi Crisp	
	Trash Pick-up Events: Estimated amount of litter collected (Pounds)	12,400.5	H:\NPDES\2015	Keep Sarasota County Beautiful Wendi Crisp	
	Adopt-A-Road Program: Total miles cleaned	70	H:\NPDES\2015	Keep Sarasota County Beautiful Wendi Crisp	
	Adopt-A-Road Program: Estimated amount of litter collected (pounds)	14,402.5	H:\NPDES\2015	Keep Sarasota County Beautiful Wendi Crisp	
	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 (TN) and total phosphorus (TP) loadings that were removed by the collection of sweepings. If no street sweeping program is implemented, provide the explanation of why not in the Year 1 Annual Report. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. Also, the permittee may choose its own unit of measurement for the amount of sweeping material collected. Unit options include: cubic yards, pounds, tons.* *DEP Note: If the permittee has curbs and gutters but no street sweeping program is implemented, the permittee must provide an explanation of why not in the Year 1 Annual Report. Refer to Part III.A.3 of the permit for the information that must be included in the explanation (including the alternate BMPs used or planned in lieu of street sweeping). Please provide the title of the attached explanation in Column D and the name of the entity who finalized the explanation in Column E.*				
	Frequency of street sweeping	Residential Roads Quarterly; Collector Roads Monthly	I:\EntOpsMaint\Field \ROW Contracts\ 2012 USA Street Sweeping I:\EntOpsMaint\Field \ROW Contracts\ 2015-303	FS-Road & Bridge Lynn Mison	USA Services
	Total miles swept (per year)	7,644.03	I:\EntOpsMaint\Field \ROW Contracts\ 2012 USA Street Sweeping I:\EntOpsMaint\Field \ROW Contracts\ 2015-303	FS-Road & Bridge Lynn Mison	USA Services

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	Estimated quantity of sweeping material collected (Tons)	1,067.38	I:\EntOpsMaint\Field \ROW Contracts\ 2012 USA Street Sweeping\Weigh Reports for NPDES I:\EntOpsMaint\Field \ROW Contracts\ 2015-303\Disposal Records	FS-Road & Bridge Lynn Mison	USA Services
	Total nitrogen loadings removed (pounds)	1,202	I:\EnvSBC\Water Core\Planning & Regulatory\ENVIRONMENTAL\WATER QUALITY PLANNING\NPDES\ Street Sweeping	PU-Stormwater Rene Janneman	FSA Load Calculator
	Total phosphorus loadings removed (pounds)	771	I:\EnvSBC\Water Core\Planning & Regulatory\ENVIRONMENTAL\WATER QUALITY PLANNING\NPDES\ Street Sweeping	PU-Stormwater Rene Janneman	FSA Load Calculator
	Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned		n/a	n/a	n/a
	Annually review (and revise, as needed) and implement the permittee's written standard practices to reduce the pollutants in stormwater runoff from areas associated with road repair and maintenance, and from permittee-owned or operated equipment yards and maintenance shops that support road maintenance activities. Report the number of applicable facilities and the number of inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.*				

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		Number of Inspections			
	Name of facility #1: Sarasota County North County Fleet	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Ind Fac Inspections 2015.xlsx	Air and Water Quality	Inspected 10/08/2015
	Name of facility #2: Sarasota County South County Fleet	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Ind Fac Inspections 2015.xlsx	Air & Water Quality Laura Ammeson	Inspected 11/23/2015
	Name of facility #3: Sarasota County Public Works Field Operations	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Ind Fac Inspections 2015.xlsx	Air & Water Quality Laura Ammeson	Inspected 08/09/2015
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. *DEP Note: A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment for areas currently without treatment.* *DEP Note: The status of the flood control and retrofit projects should be reported as of the last day of the applicable reporting period. Therefore, there should be no duplication for those reported as planned, for those reported as under construction and for those reported as completed.* *DEP Note: If applicable, please provide the title of the attached list of flood control projects that did not include stormwater treatment in Column D and the name of the entity who finalized the list in Column E. Please provide an explanation in Column F for any "0" reported in Column C.*				

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	Flood control projects completed during the reporting period	2	Primavera Database	CP-Public Works Kim Stafford	
	Flood control projects completed during the reporting period that did not include stormwater treatment	0	Primavera Database	CP-Public Works Kim Stafford	
	ATTACH a list of the flood control projects that did not include stormwater treatment and an explanation for each of why it was not		Primavera Database	CP-Public Works Kim Stafford	
	Stormwater retrofit projects planned	5	Primavera Database	CP-Public Works Kim Stafford	
	Stormwater retrofit projects under construction during the reporting period	2	Primavera Database	CP-Public Works Kim Stafford	
	Stormwater retrofit projects completed during the reporting period	1	Primavera Database	CP-Public Works Kim Stafford	
Part III.A.5	**Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit**				
	Annually review (and revise, as needed) and implement the permittee's written procedures for inspections and the implementation of measures to control discharges from the following facilities that are not otherwise covered by an NPDES stormwater permit: • Operating municipal landfills; • Municipal waste transfer stations; • Municipal waste fleet maintenance facilities; and • Any other municipal waste treatment, waste storage, and waste disposal facilities. Report the number of applicable facilities and the number of the inspections conducted for each facility. *DEP Note: The permittee needs to "customize" this section by listing the names of the applicable facilities in Column B and the number of inspections of each facility in Column C. Add more rows if necessary. If "0" is reported in Column C for the number of inspections conducted and the permittee has one or more applicable facilities, please provide an explanation in Column F for why no inspections were conducted.* ***An applicable facility under Part III.A.5 includes, but is not limited to, those facilities/yards where street sweeping material and/or yard waste are temporary stockpiled, and where solid waste collection vehicles are parked and/or maintained.*** *In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.*				
		Number of Inspections			
	Name of facility #1: Sarasota County Public Works Field Operations	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Ind Fac Inspections 2015.xlsx	Air & Water Quality Laura Ammeson	Inspected 08/09/2015

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	Name of facility #2: Sarasota County Chemical Collection Center-North	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Ind Fac Inspections 2015.xlsx	Air & Water Quality Laura Ammeson	Inspected 10/05/2015
	Name of facility #3: Sarasota County Chemical Collection Center-South	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Ind Fac Inspections 2015.xlsx	Air & Water Quality Laura Ammeson	Inspected 12/01/2015
	Name of facility #4:				
Part III.A.6	**Pesticides, Herbicides, and Fertilizer Application**				
	Continue to require proper certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for all applicators contracted to apply pesticides, herbicides, or fertilizers on permittee-owned property, as well as any permittee personnel employed in the application of these products. 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 and contractors who have been trained through the Green Industry BMP Program, and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed. *DEP Note: If "0" is reported in Column C for any of the reporting items, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training / certification was previously provided / obtained, and the names of the personnel and contractors previously trained / certified.*				
	PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides	44	G:\INTEGRATED PEST MANAGEMENT\NPDES\2015\MMS\ Certification	Mosquito Management David Jenkins	13 MMS and 31 other county staff

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides	60	G:\INTEGRATED PEST MANAGEMENT\NPDES\2015\MMS\ Certification I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	Mosquito Management David Jenkins UF/IFAS Extension Service Wilma Holley	MMS: 1 FYN: 59 MMS: Clarke Mosquito Control (contractor)
	PERSONNEL: FDACS certified / licensed applicators of fertilizer	14	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	UF/IFAS Extension Service Wilma Holley	
	CONTRACTORS: FDACS certified / licensed applicators of fertilizer	134	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	UF/IFAS Extension Service Wilma Holley	
	Pursuant to SB 2080 (2009), all local governments are encouraged to adopt a Florida-friendly Landscaping Ordinance similar to the one set forth in the document "Florida-friendly Guidance Models for Ordinances, Covenants and Restrictions." If the broader Florida-friendly ordinance described above is not adopted, then all local governments within the watershed of a nutrient-impaired water body shall adopt the Department's Model Ordinance for Florida-Friendly Fertilizer Use on Urban Landscapes pursuant to SB 494 (2009) or an ordinance that includes all of the requirements set forth in the Model Ordinance. The ordinance shall be adopted within 24 months of the date of permit issuance. Provide a copy of the adopted ordinance with the subsequent Year 1 or Year 2 Annual Report. *DEP Note: If this provision is not applicable because the permittee is not within the watershed of a nutrient-impaired water body, then please indicate that in Column F, but do not remove this reporting item.* *DEP Note: Please provide the title and citation of the ordinance in Column D, and the name of the entity who finalized the ordinance in Column E.*				
	Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance		n/a	n/a	Submitted in Year 1
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. 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, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). Activities performed under the Florida Yards and Neighborhoods (FYN) program should only be reported if the permittee is contributing funding towards the FYN staff and program within its jurisdiction. *DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the*				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A. Permit Citation/ SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
	reporting items please include in Column F an explanation for why no outreach was performed. *DEP Note: IF APPLICABLE Sarasota County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Sarasota County). The co-permittees are to report just the public education and outreach activities that they performed.* *DEP Note: Indicate under Column E "Entity Performing the Activity" if FYN or IFAS is performing any of the reported public education and outreach activities. In addition, please complete the following line:* FYN PROGRAM FUNDING: Permittee Provides Funding? ☒ Yes ☐ No Amount of Funding = $234,435				
	Estimated percentage of the population reached by the activities in total	13%	\\BCCSHARE\shared\EnvSBC\Water Core\Planning & Regulatory\ENVIRONMENTAL\WATER QUALITY PLANNING\ NPDES\Annual Reports\2015 Annual Report\ Documentation	PU-Stormwater Rene Janneman	Estimate: Column C: Handouts/ Participants: 51,536 / County 2015 Census Population: 405,549
	Brochures/Flyers/Fact sheets distributed	25,953	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	MMS: 1300 AWQ: 1382 NEST: 16339 PU: 6932

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
			ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach		
	FYN: Brochure/Flyers/Fact sheets distributed	10,930	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	
	Neighborhood presentations: Number conducted	58	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach \\Bcchome\home\rwright\NEST Program\NPDES Info\2015	Mosquito Management David Jenkins PU-NEST Rob Wright	MMS: 7 NEST: 51
	Neighborhood presentations: Number of participants	608	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach \\Bcchome\home\rwright\NEST Program\NPDES Info\2015	Mosquito Management David Jenkins PU-NEST Rob Wright	MMS: 84 NEST: 524
	FYN: Neighborhood presentations: Number of participants	378	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	
	FYN: Neighborhood presentations: Number conducted	8	I I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	

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**
	Newspapers & newsletters: Number of articles/notices published	38	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx http://blogs.ifas.ufl.edu/sarasotaco/ I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson FYN UF/IFAS Extension Service Wilma Holley PU-Stormwater Ashley Melton	MMS: 10 AWQ: 5 FYN: 19 PU: 4 MMS: 4 Newspaper articles in Sarasota Herald Tribune and 6 in other outlets FYN: Blog Articles PU: SEC Newsletters
	Newsletters: Number of newsletters distributed	10,167	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\2015 AWQ Public Outreach.xlsx I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-Stormwater Ashley Melton	AWQ: 9767 PU: 400

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Public displays (e.g., kiosks, storyboards, posters, etc.)	89,962	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\2015 AWQ Public Outreach.xlsx I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson PU-Stormwater Ashley Melton	MMS: 3 AWQ: 3 PU: 89956 PU: Summer ads at Burn's Court & Lakewood Ranch movie theaters
	FYN: Public displays (e.g., kiosks, storyboards, posters, etc.)	2	Twin Lakes Lobby and Conf. Room I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	Rain Barrel display in Lobby, FFL Posters in Conference Room / Extension office
	Radio or television Public Service Announcements (PSAs)	19	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson	MMS: 10 AWQ: 1 NEST: 5 PU: 3 MMS: 10 TV spots on SNN & ABC local news AWQ: PSA ran on Access 19 TV Station from June through

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
			Outreach.xlsx \\Bcchome\home\ rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	PU-NEST Rob Wright PU-Stormwater Ashley Melton	September.
	FYN: Radio or television Public Service Announcements (PSAs)			FYN	
	School presentations: Number conducted	36	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach \\Bcchome\home\rw right\NEST Program\NPDES Info\2015	Mosquito Management David Jenkins PU-NEST Rob Wright	MMS: 35 NEST: 1
	School presentations: Number of participants	890	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach \\Bcchome\home\rw right\NEST Program\NPDES Info\2015	Mosquito Management David Jenkins PU-NEST Rob Wright	MMS: 875 NEST: 15
	FYN: School presentations: Number conducted	25	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	

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	FYN: School presentations: Number of participants	1,090	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	
	Seminars/Workshops: Number conducted	32	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015	Air and Water Quality Laura Ammeson PU-NEST Rob Wright	AWQ: 18 NEST: 14
	Seminars/Workshops: Number of participants	983	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015	Air and Water Quality Laura Ammeson PU-NEST Rob Wright	AWQ: 413 NEST: 570
	FYN: Seminars/Workshops: Number conducted	123	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	
	FYN: Seminars/Workshops: Number of participants	2,424	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Special events: Number conducted	21	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	MMS: 2 AWQ: 1 NEST: 3 PU: 15 MMS: Earth Day and open house PU: 5 SCG; 10 SEC
	Special events: Number of participants	159,601	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson	MMS: 50 AWQ: 150000 NEST: 250 PU: 9301 AWQ: Had outreach booth setup at County Fair over several days. PU: 1,491 SCG; 8,212 SEC

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
			\\Bcchome\home\rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	PU-NEST Rob Wright PU-Stormwater Ashley Melton	
	Press Release: Number conducted	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Advisory Committee Meetings: Number conducted	2	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Advisory Committee Meetings: Number of participants	15	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Facebook Campaign: Number of posts conducted	14	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Facebook Campaign: Number of followers / visitors	675,985	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-Stormwater Ashley Melton	AWQ: 1958 PU: 674,027
	Twitter Campaign: Number of posts conducted	15	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Twitter Campaign: Number of posts follower / visitors	1,958	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	

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Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	FYN: Special events: Number conducted	2	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	
	FYN: Special events: Number of participants	357	I:\CSBC\CoopExt\ PROGRAMS\ Horticulture\NPDES Reporting Data\2015 NPDES	FYN UF/IFAS Extension Service Wilma Holley	
	Web Site: Number of hits / visitors to the stormwater-related pages	188,328	G:\INTEGRATED PEST MANAGEMENT\ NPDES\2015\MMS\ Outreach\Websites and reports https://www.scgov.net/ http://sarasota.ifas.ufl.edu/FYN/fyn.shtml	Mosquito Management David Jenkins Air and Water Quality Laura Ammeson FYN UF/IFAS Extension Service Wilma Holley	MMS: 81736 AWQ: 1230 FYN: 105362 MMS: 72,493 Visitors: IPM 9,243 Visitors AWQ: 2 Webpages Google Analytics for: Fertilizer Management, Fertilizer BMP Training FYN: 13 Webpages
Part III.A.7.a	**Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures**				
	Where applicable, strengthen the legal authority to conduct inspections, conduct monitoring, control illicit discharges, illicit connections, illegal dumping and spills into the MS4 and to require compliance with conditions in ordinances, permits, contracts, and orders. Report amendments, as needed. *DEP Note: If applicable, please provide the title of the attached report in Column D and the name of the entity who finalized the report in Column E.*				
	ATTACH a report on any amendments to the applicable legal authority		n/a	Air and Water Quality Laura Ammeson	No amendments to the Water Pollution Control Code during 2015

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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.7.c	**Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal**				
	During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, and the number and type of enforcement actions taken. *DEP Note: If "0" is reported in Column C for the first reporting item, please include an explanation in Column F for why no proactive inspections were performed. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.* *DEP Note: Proactive inspections may include, for example, suspect areas (e.g., industrial areas), commercial businesses (e.g., restaurants, car washes, service stations, laundries / dry cleaners, auto body shops, mobile carpet cleaners) or temporary activities (e.g., special events / fairs / circus) that would not otherwise be inspected during routine inspections and maintenance of the MS4, in association with high risk industrial facilities or construction sites, or in response to citizen or staff reports.* *DEP Note: Refer to Part III.A.7.c of the permit for what must be included in the written proactive inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*				
	Proactive inspections for suspected illicit discharges / connections / dumping	31	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Proactive Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	
	Illicit discharges / connections / dumping found during a proactive inspection	5	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Proactive Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	

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A. Permit Citation/ SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	2	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Enforcement Tracking.xlsx	Air and Water Quality Laura Ammeson	1 Noncompliance Letter; 1 Verbal Warning; 1 referral to another agency; 2 voluntary compliance
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	0	N/A	Air and Water Quality Laura Ammeson	Compliance achieved in all cases; no penalties assessed
	Year 1 ONLY: Attach the written proactive inspection program plan		n/a	n/a	
	Annually review (and revise, as needed) and implement the permittee's written procedures to conduct reactive investigations to identify and eliminate the source(s) of illicit discharges, illicit connections or improper disposal to the MS4, based on reports received from permittee personnel, contractors, citizens, or other entities regarding suspected illicit activity. 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. *DEP Note: If the number of reports received differs from the number of reactive investigations, please provide an explanation for the discrepancy in Column F. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.*				
	Reports of suspected illicit connections / discharges / dumping received	200	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\Incident Response Program.xlsx	Air and Water Quality Laura Ammeson	
	Reactive investigations of reports of suspected illicit discharges/ connections / dumping	200	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\Incident Response Program.xlsx	Air and Water Quality Laura Ammeson	

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A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	Illicit discharges / connections / dumping found during a reactive investigation	76	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\Incident Response Program.xlsx	Air and Water Quality Laura Ammeson	
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation	39	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Enforcement Tracking.xlsx	Air and Water Quality Laura Ammeson	2 Noncompliance Letters, 37 Verbal Warnings, 9 referrals to other agencies; 37 voluntary compliance
	Fines issued for illicit discharges / connections / dumping found during a reactive investigation	0	N/A	Air and Water Quality Laura Ammeson	Compliance achieved in all cases; no penalties assessed
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, fleet maintenance staff, and inspectors) and contractors to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges / connections / dumping to the MS4. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.*				
		Initial Training	**Refresher Training**		
	Personnel trained	53	4	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\2015 Staff Training.xlsx TRAC Learning Center	Air and Water Quality Laura Ammeson Wanlee Lee HR-Training & Development	AWQ: 4 HR: 53 4 staff; 8 training classes/webinars attended
	Contractors trained	7	0	Primavera Database	CP-Public Works Kim Stafford	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
Part III.A.7.d	**Illicit Discharges and Improper Disposal — Spill Prevention and Response**				
	Annually review (and revise, as needed) and implement the permittee's written spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that discharge into the MS4. Report on the spill prevention and response activities, including the number of spills addressed. *DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, or report one combined number, to more accurately reflect its tracking of these spills.*				
	Hazardous and non-hazardous material spills responded to	36	ImageTrend Reporting System I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\Incident Response Program.xlsx	Fire Department Special Operations Mark Calderini Air and Water Quality Laura Ammeson	FD: 33 AWQ: 3
	During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, firefighters, fleet maintenance staff and inspectors) and contractors on proper spill prevention, containment, and response techniques and procedures. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). *DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained.*				
		Initial Training	**Refresher Training**			
	Personnel trained	3	38	Special Operations Training Records I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 Staff Training.xlsx	Fire Department Special Operations Mark Calderini Air and Water Quality Laura Ammeson	FD: 33 AWQ: 3 FD: 3 Initial, 35 Refresher AWQ: Refresher 3 staff; 12 training classes/webinars attended
	Contractors trained	7	0	Primavera Database	CP-Public Works Kim Stafford	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
Part III.A.7.e	**Illicit Discharges and Improper Disposal — Public Reporting**				
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. 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, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). *DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting item of "Estimated percentage of the population reached by the activities in total" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.* *DEP Note: IF APPLICABLE Sarasota County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Sarasota County). The co-permittees are to report just the public education and outreach activities that they performed.*				
	Estimated percentage of the population reached by the activities in total	6%	\\BCCSHARE\shared\EnvSBC\Water Core\Planning & Regulatory\ENVIRONMENTAL\WATER QUALITY PLANNING\ NPDES\Annual Reports\2015 Annual Report\ Documentation	PU-Stormwater Rene Janneman	Estimate: Column C: Handouts/ Participants: 25,626 / County 2015 Census Population 405,549
	Brochures/Flyers/Fact sheets distributed	24,555	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\	Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	AWQ: 1284 NEST: 16339 PU: 6932

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**
			WATERSHED PROJECTS\ Outreach		
	Neighborhood presentations: Number conducted	60	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	AWQ: 1 NEST: 51 PU: 8 PU: At events & by partner orgs
	Neighborhood presentations: Number of participants	574	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\rwright\NEST Program\NPDES Info\2015 I:\EnvSBC\Water Core\Planning & Regulatory\ENVIRONMENTAL\WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	AWQ: 26 NEST: 524 PU: 24 PU: Civics 101 Class

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**
	Newspapers & newsletters: Number of articles/notices published	4	I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	PU-Stormwater Ashley Melton	Newsletters
	Newsletters: Number of newsletters distributed	400	I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	PU-Stormwater Ashley Melton	
	Public displays (e.g., kiosks, storyboards, posters, etc.)	89,956	I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	PU-Stormwater Ashley Melton	Summer ads at Burn's Court & Lakewood Ranch movie theaters
	Radio or television Public Service Announcements (PSAs)	9	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\ rwright\NEST Program\NPDES I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	AWQ: 1 NEST: 5 PU: 3 AWQ: PSA ran on Access 19 TV Station from June through September. PU: Sarasota County Water Atlas

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**
	School presentations: Number conducted	1	\\Bcchome\home\ rwright\NEST Program\NPDES	PU-NEST Rob Wright	
	School presentations: Number of participants	15	\\Bcchome\home rwright\NEST Program\NPDES	PU-NEST Rob Wright	
	Seminars/Workshops: Number conducted	19	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Seminars/Workshops: Number of participants	450	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Special events: Number conducted	19	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\ rwright\NEST Program\NPDES I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	AWQ: 1 NEST: 3 PU: 15 PU: 5 SCG; 10 SEC

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**
	Special events: Number of participants	159,531	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx \\Bcchome\home\ rwright\NEST Program\NPDES I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-NEST Rob Wright PU-Stormwater Ashley Melton	AWQ: 150000 NEST:230 PU: 9301 AWQ: Had outreach booth setup at County Fair over several days.
	Advisory Committee Meetings: Number conducted	4	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Advisory Committee Meetings: Number of participants	32	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Press Release: Number conducted	1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	

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**
	Facebook Campaign: Number of posts conducted	4	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Facebook Campaign: Number of followers / visitors	674,238	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATERSHED PROJECTS\ Outreach	Air and Water Quality Laura Ammeson PU-Stormwater Ashley Melton	AWQ: 211 PU: 674027
	Twitter Campaign: Number of posts conducted	5	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	
	Twitter Campaign: Number of followers / visitors	5,907	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\2015 AWQ Public Outreach.xlsx	Air and Water Quality Laura Ammeson	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments
	Web Site: Number of visitors to the stormwater-related pages	22,799	EIT Google Analytics Report http://scgov.net	Air and Water Quality Laura Ammeson PU-Stormwater Rene Janneman	AWQ: 21069 PU: 1730 AWQ: 10 Webpages PU: 9 Webpages
Part III.A.7.f	**Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control**				
	During Year 1 of the permit, develop and implement a written public education and outreach program plan to encourage the proper use and disposal of used motor vehicle fluids, leftover hazardous household products, and lead acid batteries. 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, the percentage of the population reached by the activities in total, and the number of Web site visits (if applicable). *DEP Note: The permittee should "customize" the list of public outreach activities by removing items or adding items to the list below as appropriate to their particular public outreach program. However, the reporting items of "Estimated percentage of the population reached by the activities in total" and "Household Chemical Collection Center Program: Amount of waste collected / recycled / properly disposed (tons)" must remain. The permittee may add more specifics to the reporting items, such as the name of the brochure or newsletter distributed. If "0" is reported in Column C for all the reporting items, please include in Column F an explanation for why no outreach was performed.* *DEP Note: IF APPLICABLE Sarasota County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Sarasota County). The co-permittees are to report just the public education and outreach activities that they performed.*				
	Estimated percentage of the population reached by the activities in total	3%	Crystal Report from eManager on County eNet: http://hwemanager/	Solid Waste Oland Stokes	Participation Rate from County compared to Planning and Development
	Household Chemical Collection Center Program: Amount of waste collected / recycled / properly disposed (tons)	556.21	Crystal Report from eManager on County eNet: http://hwemanager/	Solid Waste Oland Stokes	
	Household Chemical Collection Center Program: Events	826	https://www.scgov.net/Solid_Waste/Pages/HomeHazWaste.aspx	Solid Waste Oland Stokes	Posted Collection Days on website: 1 facility at 265 days; 1 facility at 309 days; 1 facility at 252 days

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A. Permit Citation/ SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
	Household Hazardous Waste Materials Guides distributed	Unknown	https://www.scgov.net/Solid_Waste/Pages/HomeHazWaste.aspx	Solid Waste Oland Stokes	Hazardous Waste How-To Guide available for download on website and distributed at facilities and events
	Brochures/Flyers/Fact sheets distributed	0	n/a	Solid Waste Oland Stokes	Refer to Material Guide above.
	Neighborhood presentations: Number conducted	9	H:\kgodwin\\bcchome\home	Solid Waste Karen Godwin	
	Neighborhood presentations: Number of participants	255	H:\kgodwin\\bcchome\home	Solid Waste Karen Godwin	
	Newspapers & newsletters: Number of articles/notices published	0		Solid Waste Oland Stokes	
	Newsletters: Number of newsletters distributed	0		Solid Waste Oland Stokes	
	Public displays (e.g., kiosks, storyboards, posters, etc.)	2	H:\kgodwin\\bcchome\home	Solid Waste Karen Godwin	
	Radio or television Public Service Announcements (PSAs)	0		Solid Waste Oland Stokes	
	School presentations: Number conducted	1	H:\kgodwin\\bcchome\home	Solid Waste Karen Godwin	
	School presentations: Number of participants	210	H:\kgodwin\\bcchome\home	Solid Waste Karen Godwin	
	Seminars/Workshops: Number conducted	0		Solid Waste Oland Stokes	
	Seminars/Workshops: Number of participants	0		Solid Waste Oland Stokes	
	Special events: Number conducted	32	Crystal Report from eManager on County Net: http://hwemanager/	Solid Waste Oland Stokes	
	Special events: Number of participants	1,712	Crystal Report from eManager on County Net: http://hwemanager/	Solid Waste Oland Stokes	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A. Permit Citation/ SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
	Web Site: Number of visitors to the stormwater-related pages	52,820	EIT Google Analytics Report Http://scgov.net	Solid Waste Oland Stokes	50,293 to Residential, and 2,527visits to Commercial Solid Waste Pages on www.scgov.net
Part III.A.7.g	**Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage**				
	Annually review (and revise, as needed) and implement the permittee's written procedures to reduce or eliminate sanitary wastewater contamination into the MS4, including discharges to the MS4 from sanitary sewer overflows (SSOs) and from inflow / infiltration from collection / transmission systems and/or septic tank systems. Advise the appropriate utility owner of a violation if constituents common to wastewater contamination are discovered in the MS4. 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. *DEP Note: The permittee needs to "customize" this section as it pertains to the type of activities undertaken to reduce or eliminate SSOs and inflow / infiltration into the MS4. The first five reporting items below are examples.* *DEP Note: The permittee should contact the appropriate authorities for accurate reporting information, such as the sanitary sewer system operator who is responsible for investigating and eliminating SSOs and the local health department who is responsible for permitting / overseeing septic tank systems.* *DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.*				
	Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer pipe sealed, lined, and / or replaced (linear feet)	69,298	\\BCCSHARE\shared\EnvSBC\WaterCore\Planning & Regulatory\ENVIRONMENTAL\WATER QUALITY PLANNING\ NPDES\Annual Reports\2015 Annual Report\ Documentation	CP-Utilities/ Environmental Jason Brown	
	Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer manhole rehabilitation (linear feet)	1,356	\\BCCSHARE\shared\EnvSBC\WaterCore\Planning & Regulatory\ENVIRONMENTAL\WATER QUALITY PLANNING\ NPDES\Annual Reports\2015	CP-Utilities/ Environmental Jason Brown	

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**
			Annual Report\ Documentation		
	Activity to reduce/eliminate SSOs and inflow / infiltration: Septic systems removed	412	State of Florida Environmental Health Database	Florida Department of Health Virginia Bess	Septic Tank Abandonment Final Approvals
	SSO incidents discovered	165	State of Florida Environmental Health Database I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Sewage Spills.xls	Florida Department of Health Virginia Bess Air and Water Quality Laura Ammeson	DOH: 102 AWQ: 63 Sewage complaints associated with septic systems 4 discharges to MS4 only; 7 discharges to both MS4 and surface waters; 52 discharges to the ground
	SSO incidents resolved	144	State of Florida Environmental Health Database I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\Sarasota County Sewage Spills.xls	Florida Department of Health Virginia Bess Air and Water Quality Laura Ammeson	DOH: 81 AWQ: 63 DOH: Sewage complaints associated with septic systems
	Name of owner of the sanitary sewer system	5 Sarasota County owned facilities and 26 private wastewater treatment facilities			
Part III.A.8.a	**Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections**				
	Continue to maintain an up-to-date inventory of all existing high risk facilities discharging into the permittee's MS4. The inventory shall identify the outfall and surface water body into which each high risk facility discharges. For the purposes of this permit, high risk facilities include: • Operating municipal landfills; • Hazardous waste treatment, storage, disposal and recovery facilities; • Facilities that are subject to EPCRA Title III, Section 313 (also known as the Toxics Release Inventory (TRI) maintained by the U.S. EPA); and				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/ SWMP Element	B. Permit Requirement/Quantifiable SWMP Activity	C. Number of Activities Performed	D. Documentation / Record	E. Entity Performing the Activity	F. Comments

- Any other industrial or commercial discharge that the permittee determines is contributing a substantial pollutant loading to the permittee's MS4. This could include facilities identified through the proactive inspection program as per Part III.A.7.c of the permit.

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. If a permittee relies on Sarasota County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Sarasota County shall make available) the necessary annual report information from the County.

DEP Note: The TRI is updated every spring / summer by the U.S. EPA at www.epa.gov/triexplorer. Select "Facility" on the left, chose your Geographic Location, and then select "Generate Report." Please indicate in Column F when (month / year) you last checked EPA's TRI for applicable facilities.

During Year 1 of the permit, develop and implement a written plan for conducting inspections of high risk facilities to determine compliance with all appropriate aspects of the stormwater program. While the permittee may determine the order and frequency of the inspections, the permittee shall inspect each identified facility at least once during the permit term; however, facilities identified as high risk due to the findings of the proactive inspection program as per Part III.A.7.c of the permit shall be inspected annually. Report on the high risk facilities inspection program, including the number of inspections conducted and the number and type of enforcement actions taken. . If a permittee relies on Sarasota County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Sarasota County shall make available) the necessary annual report information from the County

DEP Note: If "0" is reported for the number of inspections conducted and the permittee has one or more high risk facilities, please provide an explanation in Column F for why no inspections were conducted. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.

DEP Note: Sarasota County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Sarasota County – the inventory of high risk facilities located in the co-permittees' jurisdictions are to be reported by the co-permittees. Likewise, the County is to report ONLY the high risk facility inspections it performed in the unincorporated areas of Sarasota County – any high risk facility inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to obtain the necessary information from Sarasota County that pertains to its jurisdiction.

	Number of Facilities	Number of Inspections	For violations discovered during a high risk inspection				
			Fines issued	Notices of Violation (NOVs) / warning letters / citations issued			
Total high risk facilities	85				I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Sarasota County High Risk Inventory.xlsx	Air and Water Quality Laura Ammeson	111 Low Risk facilities on inventory list; 2 High Risk and 8 Low Risk facilities closed and removed from inventory

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**
	New high risk facilities added to the inventory during the current reporting period	2				I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\ County\Sarasota County Ind Fac Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	Added: Eagle Stones Marble and Granite and CT Stone Works
	Operating municipal landfills	1	1	0	0	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report County\Sarasota County Ind Fac Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	Inspected on 12/01/15
	Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities	0	0	0	0	N/A	Air and Water Quality Laura Ammeson	1 non-operating facility currently under a DEP Hazardous and Solid Waste Amendments Corrective Action Permit.
	EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)	13	12	0	0	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\ County\Sarasota County Ind Fac Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	Checked TRI website 11/02/15

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**
	Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c	2	2	0	0	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\ County\Sarasota County Ind Fac Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	
	Other facilities determined as high risk by the permittee (that are not facilities identified through the proactive inspections)	69	54	0	3	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\2015 Annual Report\ County\Sarasota County Ind Fac Inspections 2015.xlsx	Air and Water Quality Laura Ammeson	2 Noncompliance Letters; 1 Verbal Warning In addition 38 Low Risk facility inspections conducted.
Part III.A.8.b	**Industrial and High-Risk Runoff — Monitoring for High Risk Industries**							
	Sampling of the discharge to the stormwater system may be required on an as-needed basis in the event that inspections of high-risk facilities disclose suspected illicit discharges to the MS4. New high-risk industrial facilities as defined in 40 CFR 122.26(d)(2)(iv)(C) must be evaluated to determine if the new discharge is contributing a substantial pollutant load to the MS4. The evaluation may include site-specific monitoring. Report the number of high risk facilities sampled.							
	High risk facilities sampled				1	I:\PDSBC\EPD\Air and Water Quality\Water Quality\NPDES\ 2015 Annual Report\County\RPC Scott.pdf	Air and Water Quality Laura Ammeson	Facility: RPC-Florida/Scott Paint Company
Part III.A.9.a	**Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices**							
	Continue to implement the local codes or land development regulations and the written pre-construction site plan review procedures that require the use and maintenance of appropriate structural and non-structural erosion and sedimentation controls during construction to reduce the discharge of pollutants to the MS4. Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.*							

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A.	**B.**	**C.**	**D.**	**E.**	**F.**
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**	**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	PERMITTEE SITES: Construction site plans reviewed	466	LIMS Database Primavera Database	PDS-Land Development Sal DePaolis CP-Public Works Kim Stafford	PDS: 364 CP: 102
	PERMITTEE SITES: Construction site plans approved	348	LIMS Database Primavera Database	PDS-Land Development Sal DePaolis CP-Public Works Kim Stafford	PDS: 246 CP: 102
	PRIVATE SITES: Construction site plans reviewed	1,582	LIMS Database	PDS-Land Development Sal DePaolis	
	PRIVATE SITES: Construction site plans approved	1,447	LIMS Database	PDS-Land Development Sal DePaolis	
	Annually review (and revise, as needed) and implement the permittee's written procedures to notify all new development / redevelopment permit applicants of the need to obtain all required stormwater permits. Report the number of new development/redevelopment permit applicants notified of the ERP and CGP, and the number of applicants who confirmed ERP and CGP coverage. *DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. If the number of applicants notified of ERP or CGP coverage is less than the number of construction site plans reviewed, please provide an explanation for the discrepancy in Column F.*				
	Notified of ERP stormwater permit requirements	1,946	LIMS Database	PDS-Land Development Sal DePaolis	
	Confirmed ERP coverage	1,693	LIMS Database	PDS-Land Development Sal DePaolis	
	Notified of CGP stormwater permit requirements	1,946	LIMS Database	PDS-Land Development Sal DePaolis	
	Confirmed CGP coverage	1,693	LIMS Database	PDS-Land Development Sal DePaolis	
Part III.A.9.b	**Construction Site Runoff — Inspection and Enforcement**				
	As an attachment to the Year 1 Annual Report, the permittee shall submit a written plan that details the standard operating procedures for implementation of the stormwater, erosion and sedimentation inspection program for construction sites discharging stormwater to the MS4. The permittee shall implement the plan for inspecting construction sites immediately upon written approval by the Department. Prior to Department approval, the permittee shall continue to perform inspections in accordance with its previously developed construction site inspection procedures. 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				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
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	active construction sites inspected, and the number and type of enforcement actions / referrals taken. *DEP Note: If "0" is reported in Column C for the number of inspections conducted, please provide an explanation in Column F of why no inspections were conducted. If the number of inspections reported is equal to or less than the number of active construction sites, or the percentage inspected is less than 100%, please provide an explanation in Column F. In addition, the permittee should re-word the "NOVs / warning letters / citations issued" reporting item to more accurately reflect its particular initial enforcement activity, if necessary.* *DEP Note: Refer to Part III.A.9.b of the permit for what must be included in the construction site inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.*				
	PERMITTEE SITES: Active construction sites	107	LIMS Database Primavera Database	PDS-Land Development Sal DePaolis CP-Public Works Kim Stafford	PDS: 5 CP: 102
	PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	877	LIMS Database Primavera Database	PDS-Land Development Sal DePaolis CP-Public Works Kim Stafford	PDS: 175 CP: 702
	PERMITTEE SITES: Percentage of active construction sites inspected	100%	LIMS Database Primavera Database	PDS-Land Development Sal DePaolis CP-Public Works Kim Stafford	PDS: 100% CP: 100%
	PRIVATE SITES: Active construction sites	108	LIMS Database	PDS-Land Development Sal DePaolis	
	PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs	2,429	LIMS Database	PDS-Land Development Sal DePaolis	
	PRIVATE SITES: Percentage of active construction sites inspected	100%	LIMS Database	PDS-Land Development Sal DePaolis	
	Red Tags issued	0	LIMS Database	PDS-Land Development Sal DePaolis	Compliance
	Notices of Violation (NOVs) issued	0	LIMS Database	PDS-Land Development Sal DePaolis	Compliance

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE					
A. Permit Citation/ SWMP Element	**B. Permit Requirement/Quantifiable SWMP Activity**	**C. Number of Activities Performed**	**D. Documentation / Record**	**E. Entity Performing the Activity**	**F. Comments**
	Stop Work Orders issued	0	LIMS Database	PDS-Land Development Sal DePaolis	Compliance
	Fines issued	0	LIMS Database	PDS-Land Development Sal DePaolis	Compliance
	Year 1 ONLY: Attach the written construction site inspection program plan		n/a	n/a	
Part III.A.9.c	**Construction Site Runoff — Site Operator Training**				
	During Year 1 of the permit, develop and implement a written plan for stormwater training / outreach for construction site plan reviewers, site inspectors and site operators. Provide training for permittee personnel (employed by or under contract with the permittee) involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. Also provide training for private construction site operators. All permittee inspectors (employed by or under contract with the permittee) of construction sites shall be certified through the Florida Stormwater, Erosion and Sedimentation Control Inspector Training program, or an equivalent program approved by the Department. Refresher training shall be provided annually. Report the type of training activities, the number of inspectors, site plan reviewers and site operators trained (both in-house and outside training), and the number of private construction site operators trained by the permittee. *DEP Note: If "0" is reported for any of these reporting items, please include in Column F an explanation of why training was not provided to / obtained by the permittee's staff and private construction site operators during the applicable reporting year.* *DEP Note: The permittee should report only the number of staff and private construction site operators trained / certified during the applicable reporting year, and then note in Column F the number of staff who were previously trained / certified. Private site operator training can include pre-construction meetings.*					

	Certification Training	**Initial Training (non-certification)**	**Refresher Training**				
Permittee construction site inspectors	47		0		I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATER QUALITY PLANNING\NPDES\ Training\FDEP Sediment & Erosion Ctrl\2015 Erosion Ctrl Inspector	PU-Stormwater Rene Janneman	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE								
A.	**B.**				**C.**	**D.**	**E.**	**F.**
Permit Citation/ SWMP Element	**Permit Requirement/Quantifiable SWMP Activity**				**Number of Activities Performed**	**Documentation / Record**	**Entity Performing the Activity**	**Comments**
	Permittee construction site plan reviewers		7			I:\EnvSBC\Water Core\Planning & Regulatory\ ENVIRONMENTAL\ WATER QUALITY PLANNING\NPDES\ Training\Site Plans Reviewers Training\2015	PU-Stormwater Robert Bresciani	
	Permittee construction site operators		7			Primavera Database	CP-Public Works Kim Stafford	

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)		
A.	**Permit Citation/ SWMP Element**	**SWMP EVALUATION**
	Part II.A.1 Structural control inspection and maintenance	Strengths: **The continued integration of our inventory and maintenance with the MAXIMO Work Order database.**
		Weaknesses: **Keeping up with the details required by the new permit conditions.**
		SWMP Revisions to address deficiencies: **Continued county wide asset collection and assessment of structures.**
	Part II.A.2 Significant redevelopment	Strengths: **The County was instrumental in development of the LID Manual and provides many related resources for the community.**
		Weaknesses: **Education of developers who think LID is too hard or costly to maintain.**
		SWMP Revisions to address deficiencies: **Continue to promote LID principles.**
	Part II.A.3 Roadways	Strengths: **Established a three year contract with (2) one year extensions. Documentation of activities has greatly improved.**
		Weaknesses: **None at this time.**
		SWMP Revisions to address deficiencies: **None at this time.**

SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)		
	Part II.A.4 Flood control	Strengths: **The County continues to invest in major water treatment projects which also reduce flooding. The Dona and Roberts Bay water quality project is currently under construction and is expected cost 12.5 million.**
		Weaknesses: **Water quality improvements should still be a part of flood control projects.**
		SWMP Revisions to address deficiencies: **None at this time.**
	Part II.A.5 Waste TSD Facilities	Strengths: **The number of facilities is very small and easy to inspect.**
		Weaknesses: **None at this time.**
		SWMP Revisions to address deficiencies: **None at this time.**
	Part II.A.6 Pesticide, herbicide, fertilizer application	Strengths: **The Fertilizer and Landscape Management Code has been in effect since 2007 and has been used by other local governments as a model.**
		Weaknesses: **Sarasota County is unable to determine the number of people reached from social media campaigns such as Facebook and Twitter. The retailers are able to promote and sell noncompliant products making enforcement of the code very difficult.**
		SWMP Revisions to address deficiencies: **None at this time.**
	Part II.A.7 Illicit Discharge Detection and Elimination	Strengths: **The County provides excellent customer service and citizen concerns are quickly responded to. The majority of issues identified are resolved with voluntary compliance.**
		Weaknesses: **None at this time.**
		SWMP Revisions to address deficiencies: **None at this time.**
	Part II.A.8 High Risk Industry Runoff	Strengths: **Sarasota County has light industry and the manufacturers that operate here are clean businesses.**
		Weaknesses: **It is difficult to track the number of businesses that close, move, or relocate out of the County.**
		SWMP Revisions to address deficiencies: **None at this time.**
	Part II.A.9 Construction Site Runoff	Strengths: **LIMS/AMANDA database continues to effectively manage inspection and enforcement activities.**
		Weaknesses: **Public Works Capital Projects has a fragmented inspection documentation process.**
		SWMP Revisions to address deficiencies: **Continue to use paper inspection forms and signature pages to document activites.**

SECTION IX. 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.** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*
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)** *DEP Note: There may be changes deemed necessary after developing / reviewing your plans and SOPs as per Part III.A of the permit, after completing your SWMP evaluation as per Part VI.B.2 of the permit, or due to a TMDL / BMAP as per Part VIII.B of the permit.*

CHECKLIST A: ATTACHMENTS TO BE SUBMITTED WITH THE ANNUAL REPORTS

Below is a list of items required by the permit that may need to be attached to the annual report. Please check the appropriate box to indicate whether the item is attached or is not applicable for the current reporting period. Please provide the number and the title of the attachments in the blanks provided.

Attached	N/A	Rule / Permit Citation	Required Attachment	Attachment Number	Attachment Title
☐	☒	Part II.F	**EACH ANNUAL REPORT:** If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.		
☐	☒	Part III.A.1	**EACH ANNUAL REPORT:** An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable.		
☐	☒	Part III.A.4	**EACH ANNUAL REPORT:** 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.7.a	**EACH ANNUAL REPORT:** A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable.		
☐	☒	Part V.B.9	**EACH ANNUAL REPORT:** Reporting and assessment of monitoring results. **[Also addressed in Section III of the Annual Report Form]**		
☐	☒	Part VI.B.2	**EACH ANNUAL REPORT:** An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, at a minimum, must include responses to the questions listed in the permit.		
☒	☐	Part VIII.B.3.e	**EACH ANNUAL REPORT:** A status report on the implementation of the requirements in this section of the permit and on the estimated load reductions that have occurred for the pollutant(s) of concern.	Attachment II	TMDL Update
☐	☒	Part VIII.B.4.f	**EACH ANNUAL REPORT after approval of the BPCP:** The status of the implementation of the Bacterial Pollution Control Plan (BPCP).		
☐	☒	Part III.A.1	**YEAR 1:** An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		
☐	☒	Part III.A.3	**YEAR 1:** If have curbs and gutters but no street sweeping program, an explanation of why no street sweeping program and the alternate BMPs used or planned.		
☐	☒	Part III.A.6	**YEAR 1 or YEAR 2:** A copy of the adopted Florida-friendly Ordinance, if applicable.		Submitted in Year 1
☐	☒	Part III.A.7.c	**YEAR 1:** A proactive illicit discharge / connection / dumping inspection program plan.		
☐	☒	Part III.A.9.b	**YEAR 1:** A construction site inspection program plan. **[For approval by DEP]**		
☒	☐	Part III.A.2	**YEAR 2:** A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment.	Attachment I	Review of Development Codes
☐	☒	Part V.A.2	**YEAR 3:** Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs.		
☐	☒	Part III.A.2	**YEAR 4:** A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development / redevelopment.		
☐	☒	Part V.A.3	**YEAR 4:** 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	**YEAR 4:** The monitoring plan (with revisions, if applicable).		
☐	☒	Part VII.C	**YEAR 4:** An application to renew the permit.		
☐	☒	Part VIII.B.3.d	**YEAR 4:** A TMDL Implementation Plan / Supplemental SWMP.		

CHECKLIST B: THE REQUIRED ANNUAL REVIEWS OF WRITTEN STANDARD OPERATING PROCEDURES (SOPs) & PLANS

The permit requires annual review, and revision if needed, of written Standard Operating Procedures (SOPs) and plans (e.g., public education and outreach, training, inspections). Please indicate your review status below. **If you have made revisions that need DEP approval, you must complete Section VIII.A of the annual report.**

Did not complete review of existing SOP / Plan	Developed new written SOP / Plan	Reviewed & no revision needed to existing SOP / Plan	Reviewed & revised existing SOP / Plan	Permit Citation	Description of Required SOPs / Plans
☐	☐	☒	☐	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
☐	☐	☒	☐	Part III.A.2	SOP for development project review and permitting procedures and/or local codes and regulations for new development / areas of significant development.
☐	☐	☒	☐	Part III.A.3	SOP for the litter control program.
☐	☐	☒	☐	Part III.A.3	SOP for the street sweeping program.
☐	☐	☒	☐	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
☐	☐	☒	☐	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
☐	☐	☒	☐	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
☐	☐	☒	☐	Part III.A.6	SOP for reducing the use of pesticides, herbicides and fertilizer, and for the proper application, storage and mixing of these products.
☐	☐	☒	☐	**Part III.A.7.c**	**Plan for proactive illicit discharge / connections / dumping inspections.***
☐	☐	☒	☐	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
☐	☐	☒	☐	Part III.A.7.c	Plan for illicit discharge training.
☐	☐	☒	☐	Part III.A.7.d	SOP for spill prevention and response efforts.
☐	☐	☒	☐	Part III.A.7.d	Plan for spill prevention and response training.
☐	☐	☒	☐	Part III.A.7.e	Plan for public education and outreach on how to identify and report the illicit discharges and improper disposal to the MS4.
☐	☐	☒	☐	Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics and household hazardous waste.
☐	☐	☒	☐	Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4.
☐	☐	☒	☐	Part III.A.8	SOP for inspections of high risk industrial facilities.
☐	☐	☒	☐	Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage.
☐	☐	☒	☐	**Part III.A.9.b**	**Plan for inspections of construction sites.***
☐	☐	☒	☐	Part III.A.9.c	Plan for stormwater, erosion and sedimentation BMPs training.

*** Revisions to these plans require DEP approval – please complete Section VIII.A of the annual report.**

REMINDER LIST OF THE TMDL / BMAP REPORTS TO BE SUBMITTED SEPARATELY FROM AN ANNUAL REPORT		
Rule / Permit Citation	**Report Title**	**Due Date**
Part VIII.B.3.a	**6 MONTHS from effective date of permit:** TMDL Prioritization Report.	7/1/14
Part VIII.B.3.b	**12 MONTHS from effective date of permit:** TMDL Monitoring and Assessment Plan.	1/1/15
Part VIII.B.3.c	**6 MONTHS from receiving analyses from the lab:** TMDL Monitoring Report.	TBD
Part VIII.B.4	**30 MONTHS from start date per TMDL Prioritization Report:** A Bacterial Pollution Control Plan (BPCP).	TBD

BMAP Reporting

MS4 permittees are NOT required to submit the annual report required by any BMAP that applies to them since the NPDES Stormwater Staff can obtain them from the department's Watershed Planning and Coordination staff. However, to assure that the stormwater staff are aware of which BMAPs apply to the MS4 permittees and when the latest BMAP annual report was submitted, please complete the information below, if applicable:

Rule/Permit Citation	BMAP Title	Date BMAP Annual Report Submitted to DEP
Part VIII.B.2		
Part VIII.B.2		
Part VIII.B.2		
Part VIII.B.2		

END OF REVISED TAILORED MS4 AR FORM CYCLE 3 PERMIT

ATTACHMENT I

DEVELOPMENT CODE REVIEW

Municipal Separate Storm Sewer System : Permit No. FLS000004
Year 2 Summary in accordance with Part III.A.2.

Permit Condition III.A.2 of the County's National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System (NPDES MS4) Permit from the Department of Environmental Protection (DEP) requires review of the codes and land development regulations. It states that the County shall:

> ***"Conduct an inter-departmental review of the permittee's current local codes and land development regulations to identify potential changes to existing codes and regulations that will further reduce the stormwater impacts of new development and areas of significant development. In particular, focus on changes to the code that will promote low impact design, also termed green infrastructure: reductions in impervious surfaces, the use of swales or other retention BMPs, the incorporation of low impact development principles, reduction in flow and volume of stormwater, increase in natural hydrology, and adherence to the principles of the Florida Yards and Neighborhoods program in new landscaping."***

Sarasota County provides this report to summarize the review of local codes needed in Year 2 to include the following:

- Sarasota County Comprehensive Plan;
- Land Development Regulations;
- Zoning Regulations;
- Low Impact Development Guidance Document;
- Community Reinvestment Program, Ordinance No. 2006-027, as amended;
- Water Pollution Control Code, Ordinance No. 96,020, as amended;
- Fertilizer and Landscape Management Code, Ordinance No. 2007-062, Resolution 2006-126, and Resolution 2007-187;
- Water-Efficient Landscaping Code, Ordinance No. 2001-081, as amended; and
- Rain Barrel Harvesting Program, Resolution 2009-178.

Sarasota County Comprehensive Plan

The Sarasota County Comprehensive Plan is currently being updated. The County has prepared a proposed timeline to update the Comprehensive Plan over an eighteen month period that began in early 2015 and projects the first Public Hearings with the County Commission in the fall of 2016. The 18-month timeline does not include required public hearings, nor the required state review and approval process.

The Sarasota County Comprehensive Plan has served as a guide for the growth in the unincorporated County for decades. As mandated by state statute, the Comprehensive Plan is updated periodically to ensure that it is up to date and, moreover, reflects the vision for the future of the community through its' policy language and initiatives. Although the State planning legislation and guidelines for preparing Comprehensive Plans continue to change, Comprehensive Plans are still required by law and are updated to reflect existing conditions. In Sarasota County's case, the Comprehensive Plan has not had a major update since 2006, and much of the data used for analyses and development of policy language is from the year 2004.

The passage of the Community Planning Act by the Florida Legislature in 2011 greatly changed the planning landscape in that it gave communities an opportunity to redefine their Comprehensive Plans in a way that allows more focus on local issues rather than meeting a list of state mandated requirements. These legislative changes allow Sarasota County to update the Plan in a manner that better articulates the vision for the future of the County.

Each of the twelve existing chapters of the Comprehensive Plan will be reviewed and updated in a series of "cycles/phases" under the umbrella of a common planning theme that is intended to show the interrelationships of the chapters to each other (an example theme being "Quality of Life," which will include Parks and Recreation, Libraries, Historic Preservation, Health, Public Buildings and Facilities, and Schools and Facilities). As the project proceeds, there will be written status reports provided periodically to the County Administration, the Planning Commission, and the Board of County Commissioners.

The central planning themes are as follows:

1. **Environmental Systems –** Includes Environment, Natural Resources and Conservation, Coastal Zone Management, Sustainability, Climate Change and Green Building;

2. **Mobility –** Includes Transportation, Public Transit, Aviation, Port and Rail, Multi-Modal facilities, pedestrian movement, and bicycling;

3. **Economic Development –** Reflect current business model and economic development initiatives;

4. **Public Utilities –** Includes Potable Water, Wastewater, Stormwater, Solid Waste and recycling;

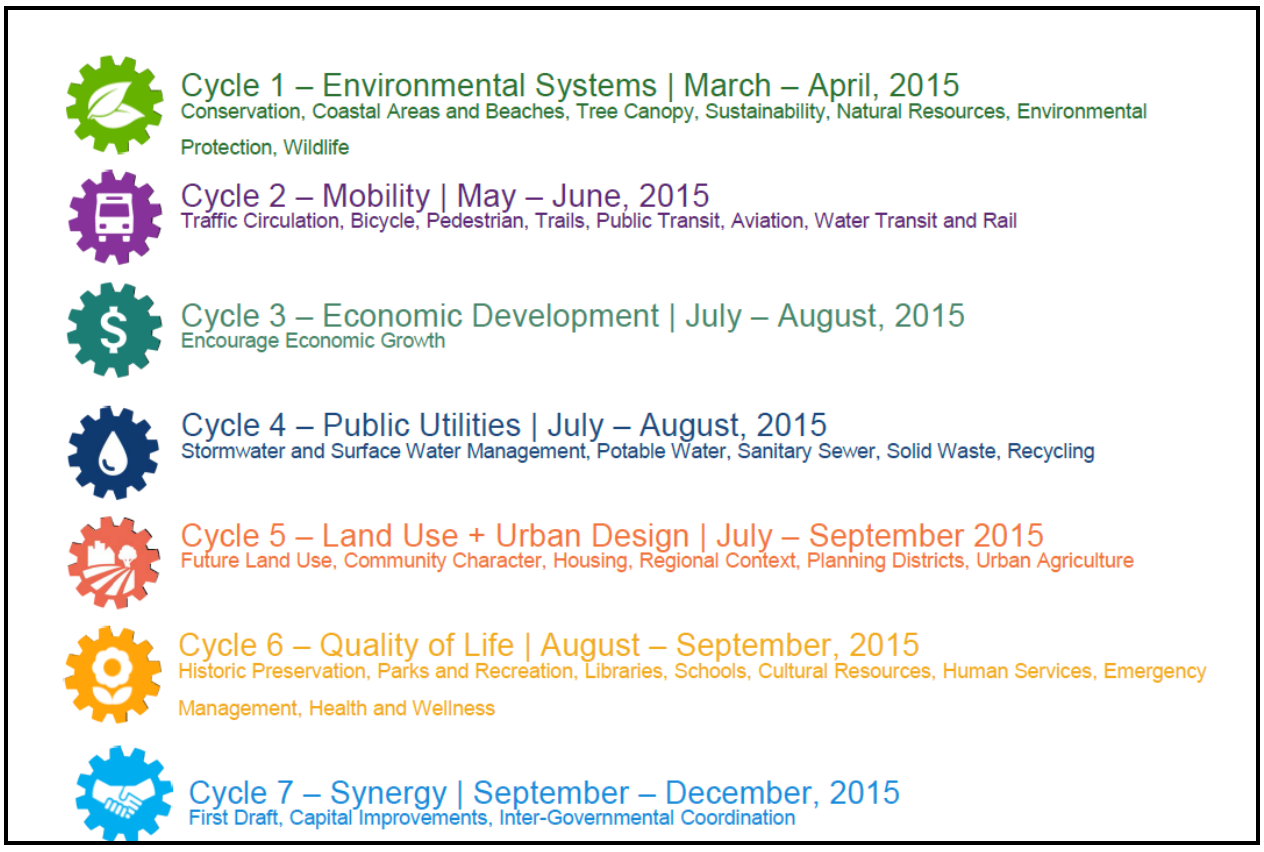
5. **Land Use and Urban Design –** Includes Future Land Use, Neighborhoods, 2050 RMA, Community Character/Urban Design, Housing, Planning Districts, Regional issues/context;

6. **Quality of Life –** Includes Parks & Recreation, Libraries, Historic Preservation, Health, Public Buildings and Facilities, and Public Schools and Facilities;

7. **Capital Improvements –** Better link capital improvements planning (CIP) with priorities articulated in the Comprehensive Plan, being cognizant to allow for flexibility; and

8. **Completion Cycle –** Staff will utilize the final months of the cycle to complete production of the document in preparation for the Public Hearing and review cycle. This will involve combining draft text, graphics, maps, and goals, objectives and policies together into a standard layout, and a review period to address any outstanding issues that may be identified.

The Cycle timeline is outlined below.



The Update will focus on the following areas:

1. **Improvement to the Comprehensive Plan's Clarity**
The Comprehensive Plan will be written in a manner that articulates its purpose and intent through the use of graphics, easier to understand terminology, and a document structure that better conveys core principles,

common goals and interrelationships, as well as how these goals will be accomplished.

2. **Concentrated focus on land area inside the Urban Service Area** The Comprehensive Plan will focus on the following issues within the Urban Service Area:

a. Identify areas within the Urban Service Area Boundary that appear to be "susceptible to change" and may provide redevelopment opportunities.

b. Evaluate existing Goals, Objectives, and Policies to identify barriers or constraints to infill and redevelopment opportunities.

c. Evaluate existing Goals, Objectives and Policies to identify barriers or constraints to neighborhood preservation and enhancement.

3. **Improve Implementation Where Opportunities Exist**
Identify and evaluate opportunities to relocate regulatory type policies to appropriate regulatory documents, such as the Land Development Code, Zoning Ordinance, or other adopted technical documents.

4. **Update the Appropriate Baseline Information**
Update the baseline information for each chapter of the Comprehensive Plan, taking advantage of the most recent data available to better understand current trends and driving forces that will shape the future of Sarasota County. Address all current comprehensive planning requirements of Chapter 163, Florida Statutes.

Information is available on the County's website at:
https://www.scgov.net/CompPlanUpdate/Pages/default.aspx

Land Development Regulations, Chapter 74 of the Sarasota County Code

On September 21, 2015, the Land Development Regulations were amended to allow the voluntary use of Low Impact Development techniques. See below for summary

Zoning Regulations, Appendix A of the Sarasota County Code

On September 21, 2015, the Zoning Regulations were amended to allow the voluntary use of Low Impact Development techniques. See below for summary.

Land Development Regulations and Zoning Regulations Amendments

On January 13, 2015, the Sarasota County Commission (Board) authorized advertising of public hearings to consider amendments to the Land Development Regulations (LDR) and Zoning Regulations relating to the implementation of Low

Impact Development (LID). LID, often referred to as green infrastructure, is an environmentally friendly approach to controlling stormwater pollution by using design alternatives that mimic nature. It is also effective in reducing urban runoff and pollutants from entering waterways. Clean water resources are essential to the economic vitality of Sarasota County and proper stormwater management is an essential component of water quality protection. Unlike conventional systems, which typically control and treat runoff using a single engineered stormwater pond, LID systems use smaller scale techniques to manage precipitation as close to where it hits the ground as possible.

LID stormwater management practices are not mandatory, but rather a voluntary option in Sarasota County. However, Sarasota County does encourage the use of LID practices where possible to help meet its water resources objectives. A guidance document was developed to provide technical guidance and design specifications. This living document currently contains the following six techniques: (1) Shallow Bioretention, (2) Pervious Pavements, (3) Stormwater Harvesting, (4) Greenroof Stormwater Treatment System, (5) Rainwater Harvesting, and (6) Detention with Biofiltration. As LID techniques are constructed and monitored, the guidance document can be updated to reflect current findings and recommendations from ongoing research and field experience. The Environmental Protection Agency, Department of Environmental Protection, and Southwest Florida Water Management District all encourage the use of LID and have been the County's funding partners in several projects.

To allow the voluntary use of LID techniques, the LDR and Zoning Regulations were reviewed and inconsistent language was identified. The analysis below is a result of that effort.

To accomplish this task, an internal LID team was created consisting of staff from Stormwater, Environmental Protection, and Land Development Services. The focus was to identify any conflicts to reconcile and remove the barriers that prevent or impede the voluntary implementation of alternative stormwater techniques. Staff referred to the following LID objectives contained in the LID Guidance Document as a basis for their review:

1. Preserve or conserve existing site features and assets that facilitate natural hydrologic function;
2. Minimize generation of runoff from impervious surfaces and contamination as close to the source as possible;
3. Promote the distribution of retention, detention, treatment, and infiltration of runoff;
4. Harvest stormwater and rainwater on site; and
5. Minimize site disturbance and compaction of soils through low impact clearing, grading, and construction measures.

Staff followed a systematic process by utilizing various national guidance documents and checklists and consulting with staff from other county departments. The entire LDR and Zoning Regulations were thoroughly reviewed for language that had any associated connection to LID.

After the initial code review, the internal LID team engaged the assistance of the Zoning Administrator and the Development Review Committee (DRC). The DRC encompasses subject matter experts from Land Development, Transportation Planning, Stormwater, Landscaping, Fire Marshal, Environmental Health, History Center, Conservation and Environmental Permitting, Tree Protection, Air and Water Quality, Utilities, Design Standards, Traffic Operations, Planning Services, School Board, Affordable Housing, and SCAT. Technical assistance throughout the entire process was provided by the Office of the County Attorney.

Land Development Regulations (LDR)

During the review, staff noted that some of the general LID principles of preserving trees and natural features, creating native vegetation buffers, and encouraging impervious areas using parks, recreation areas, conservation areas, and open space were already present in the LDR. Table No. 1 outlines the various techniques and the conflicts/barriers identified within the LDR.

Table 1. Conflicts/Barriers to LID Techniques in the LDR.

Technique	**Conflict/Barrier**
Shallow bioretention	Need to develop new appendix for construction guidelines.
Pervious pavement	To allow storage within the pervious pavement system, the void space restriction should be deleted and void storage parameters should be established.
Stormwater harvesting	No issues found in LDR to address.
Greenroof stormwater treatment system	No issues found in LDR to address.
Rainwater harvesting	Current language requires septic tanks to be crushed and filled when no longer used. The code should be revised to allow conversion of septic tanks to cisterns after following proper cleaning and disinfection procedures.

Detention with biofiltration	Need to develop new appendix for construction guidelines.
General Comments	New terms should be defined; Net Improvement should be added as an alternative; and appendices relating to stormwater should be updated.

Staff proposed the following items to be amended in the LDR:

1. Add definitions for:
   Cistern, Detention with biofiltration, Greenroof Treatment Systems, Low Impact Development, Net Improvement, Pervious Pavement System, Shallow Bioretention, and Swale;
2. Add LID to definition of Stormwater Management System;
3. Change all references to Stormwater Management System(s);
4. Add net improvement as alternative to volume based treatment technology;
5. Delete void language in gravel restriction;
6. Clarify intent of low flow v-channel use;
7. Establish void storage parameters;
8. Change reference of Apoxsee to Sarasota County Comprehensive Plan;
9. Add provision to convert septic tanks to cisterns to be consistent with current state regulations;
10. Revise appendices: C13a, C13b, C23, C25, C26a, C27, and C28; and
11. Add appendices: C13c and C26b.

Zoning Regulations

The conflicts/barriers identified within the Zoning Regulations are contained in Table No. 2.

Table 2. Conflicts/Barriers to LID Techniques in the Zoning Regulations

Technique	**Conflict/Barrier**
Shallow bioretention	If used in landscape islands, code should be revised to allow co-mingling of stormwater within landscape areas, to have curb cuts to allow stormwater to enter islands, to contain energy dissipaters to prevent erosion, to allow different soil composition for increased infiltration, and to allow for alternative plant selection.
Pervious pavement	Code should be revised to add the option for pervious pavement systems in pedestrian walkways and encourage pervious pavement in sidewalks in PED District.
Stormwater harvesting	No issues found in Zoning Regulations to address.
Greenroof stormwater treatment system	Building height restrictions should be revised to take into consideration greenroof systems and associated vegetation.
Rainwater harvesting	No issues found in Zoning Regulations to address.
Detention with biofiltration	If used in landscape islands, code should be revised to allow co-mingling of stormwater within landscape areas, to have curb cuts to allow stormwater to enter islands, to contain energy dissipaters to prevent erosion, to allow different soil composition for increased infiltration, and to allow for alternative plant selection.
General Comments	New terms should be defined.

Staff identified four sections in the Zoning Regulations that specifically promoted the use of LID. Two sections are contained in the East Venice Avenue Overlay and two sections are contained in the Planned Mixed Use Infill (PMI) District as provided below:

East Venice Avenue Overlay:

> Section 4.10.7.f.10. states that all development proposals shall incorporate Low Impact Design (LID) standards and applicable provisions of the Florida Green Building Coalition (FGBC) standards, or better, for green buildings and FGBC development standards, or better, for green developments. Where possible, developers and builders should seek the Leadership in Energy and Environmental Design (LEED) certification for major buildings.
>
> Section 4.10.7.f.18. states that integrated water management systems, such as on-site reuse and treatment and green roofs, are strongly encouraged.

Planned Mixed Use Infill (PMI) District:

> Section 6.11.5.a.1.iii. states that compact development, creating a walkable urban environment and conserving land and energy through reduced automobile usage and advanced techniques such as stormwater infiltration.
>
> Section 6.11.5.m.1. states that innovative and urban stormwater management designs and techniques may be considered for addressing stormwater treatment requirements, including but not limited to porous pavement, treatment inlet boxes with skimmers or traps, subsurface basins for infiltration or detention, prefabricated multichamber water quality devices, green roofs, stormwater treatment mitigation, etc.

Staff proposed the following items to be amended in the Zoning Regulations:

1. Add language to building height section to accommodate greenroof treatment systems;
2. Identify LID alternatives not included in open space calculation;
3. Add pervious pavement systems to material list for pedestrian walkways;
4. Add list of alternative plants for low impact development techniques;
5. Allow alternative soil composition when using LID techniques in buffers and landscape islands;

6. Allow the width to vary when using LID techniques in buffers and landscape islands;
7. Allow curb cuts to direct stormwater to landscape islands;
8. Allow energy dissipation for LID techniques in landscape medians and islands;
9. Change all references to Stormwater Management System(s);
10. In Planned Economic Development District:
    - Greenroof Treatment Systems shall conform to architectural style of building; and
    - Pervious pavement is encouraged in places that have an increased width of sidewalks; and
11. Add additional defined terms:
    Cistern, Detention with biofiltration, Greenroof Treatment Systems, Low Impact Development, Pervious Pavement System, Shallow Bioretention, Stormwater Management System, and Swale.

Planning Commission

On May 21, 2015, the Sarasota County Planning Commission held a public hearing and recommended approval with four comments by a 6-0 vote.

Planning Commission Request	**Staff Response**
Allow economic benefits	The purpose of the code changes is to remove the barriers that prevent or impede the voluntary use of LID. Economic benefits were not considered during this effort.
No disincentive to the building height for adding a green roof	To clarify the intent of the proposed amendment to Section 6.2.4.d., of the Zoning Code, staff recommends revising the language to read: 5. Vegetation associated with Greenroof Treatment System designs, provided the placed vegetation does not grow higher than six (6) feet above the already allowable maximum building height. The vegetation height shall be measured to the expected mature height for the vegetation selected for the Greenroof Treatment System Construction. In no event shall the proposed

	vegetation be of such height or size that they penetrate the daylight plane, as described in Section 6.2.2.
Compaction standards	Staff does not recommend adding standards for compaction to Section 7.3.18.b.7., of the Zoning Code that could conflict with other sections.
A list of the six agencies that the plans are given to	All landscape plans are submitted to Land Development for internal distribution. Staff does not recommend deviating from the existing submittal process.

This effort is consistent with the following policies within the Sarasota County Comprehensive Plan, the Sarasota Bay Estuary Program and Charlotte Harbor National Estuary Program Comprehensive Conservation and Management Plans (CCMPs), and the overall intent to utilize LID.

> *WATER Objective 1.3: Continue to explore and use alternative and supplemental water resources to conserve and replace the use of traditional potable water supplies.*
>
> *WATER Policy 2.2.1.: The County shall implement its Watershed Management Plan consistent with the National Pollutant Discharge Elimination System (NPDES) permit issued to the County by FDEP. The Comprehensive Stormwater Quality Program shall provide for management and control of stormwater runoff to reduce pollution at the source and discharge of pollutants into receiving waters from the County's stormwater system to the maximum extent possible.*
>
> *WATER Policy 2.3.2.2.IV.e.: Sarasota County shall provide design standards for low impact development (LID) measures to mitigate the effect of impervious surfaces and stormwater pollutants on increased runoff volumes. LID design measures may include, but are not limited to, retention with bio-filtration, pervious pavement systems, green roofs, rainwater/stormwater harvesting, etc.*
>
> *WATER Policy 3.3.4.: New developments shall prioritize meeting irrigation needs through (1) demand management strategies, (2) reclaimed water, if available, (3) rain water or stormwater, and finally, (4) community ground water wells.*

Sarasota Bay CCMP Stormwater Treatment and Prevention Objective 4.1: Through comprehensive land-use plans and land-development regulations, reduce the amount of existing impervious surface in the watershed and seek alternatives for reducing hardened surfaces in future development.

Charlotte Harbor CCMP Priority Action WQ-F: Promote water conservation, stormwater treatment and intergovernmental coordination within local plans and codes to prevent the impacts of increasing levels of impervious surface and fill to achieve improvements to water quality and groundwater and surface water storage.

Charlotte Harbor CCMP Priority Action HA-L: Encourage the use of low-impact development and green infrastructure techniques in new and old developments.

Engagement

Internal Stakeholders - The following groups were engaged during the process: the Zoning Administrator; Office of the County Attorney; Development Review Committee (DRC); and the Community Planning Group.

Advisory Councils - Staff presented the proposed code amendments to three Advisory Boards. Presentations were made to the Development Services Advisory Committee on December 19, 2012, May 15, 2013, January 15, 2014, and May 20, 2015; the Stormwater Environmental Utility Advisory Committee on October 11, 2012, December 13, 2012, April 11, 2013, February 13, 2014, and June 11, 2015; and Sarasota Tree Advisory Council on August 14, 2014. Letters of Support to bring the proposed amendments to the Board and Planning Commission were obtained from two of the Advisory Boards.

Professional Stakeholders - The proposed code amendments were shared with the Southwest Florida Water Management District and Manatee-Sarasota Building Industry Association (formerly the Home Builders Association of Manatee-Sarasota). No comments were received.

Public Workshop

On March 26, 2015, a public workshop was held at Colonial Oaks Park to obtain feedback on the proposed amendments relating to LID. The workshop had light attendance although the notice was provided to a wide distribution list.

Comprehensive Plan Consistency Review

Planning Services conducted a Comprehensive Plan Consistency Review and

determined the proposed amendments are consistent with the Comprehensive Plan.

Ordinance Impact Statements

The Ordinance Impact Statements were completed and it was determined that the proposed amendments will not create an impact to the general economy of Sarasota County.

On September 21, 2015 the Sarasota County Commission unanimously passed the amendments to the LDR, Ordinance No. 2015-037 and amendments to the Zoning Regulations, Ordinance No. 2015-038.

The amended sections in the LDR are outlined in Table 3 below.

Table 3. Amendments to the Land Development Regulations

Code Section	Adopted Language	Reason
Article I, Section 74-7	***Cistern.*** **A low impact development technique that utilizes a closed reservoir or tank used for storing rainwater for rainwater harvesting.** ***Detention with biofiltration.*** **A low impact development technique using a landscaped depression area to manage stormwater runoff with a separate inlet and outlet (underdrain). Depressions are often linear and may be connected in series. Storage volume recovery of the depression is through an underdrain system.** ***Greenroof Treatment Systems.*** **A low impact development technique using a roof area that includes at a minimum vegetation, media, and a waterproof membrane. To receive water quality credit, it is specifically built with a cistern or water holding system from which irrigation is provided.** ***Low Impact Development (LID).*** **A stormwater management approach that uses a suite of hydrologic controls (structural and non-structural) distributed throughout the site and integrated as a treatment train (i.e., in series) to replicate the natural hydrologic functioning of the landscape by infiltrating, filtering, storing, evaporating, and detaining stormwater runoff.** ***Net Improvement.*** **The performance standard for the treatment of stormwater wherein the pollutant loads discharged from the existing land use of the project area are reduced.**	Added definitions for: Cistern, Detention with biofiltration, Greenroof Treatment Systems, Low Impact Development, Net Improvement, Pervious Pavement System, Shallow Bioretention, and Swale. Revised definition for: Stormwater Management System.

	Pervious Pavement System. **A low impact development technique using numerous types of alternative pavement systems (e.g., permeable pavers, pervious asphalt, and pervious concrete) that allows stormwater to infiltrate into a subsurface drainage system then into the parent soil.** ***Shallow Bioretention.*** **A low impact development technique using shallow landscaped depressions with soils, mulch, and planted vegetation intended to capture, treat, and infiltrate stormwater runoff.** *Stormwater Management* System. The appurtenances, facilities and designed features of the property, which collect, convey, channel, hold, treat, detain or divert stormwater runoff. **These systems may include low impact development techniques.** ***Swale.*** **Open, shallow channels with low-lying vegetation covering the side slopes and bottom that collect and slowly convey runoff to downstream discharge points.**	
Article III, Section 74-62.a.5.b.	Location of any buildings, off street vehicular use areas, parking spaces (number required and number provided), access ways, ~~retention/detention ponds~~**Stormwater Management Systems,** existing proposed easements, and existing, proposed road rights-of-way and proposed landscape buffer widths.	To be consistent, all references are changed to Stormwater Management System(s).
Article III, Section 74-62.a.13.	Landscape plans and specifications signed and sealed by a Florida registered landscape architect, and including types, sizes and locations, and quality of vegetation and provisions for irrigation and maintenance shall be provided. The location of all trees protected by the current County Tree**s** ~~Protection~~ Ordinance shall be shown on a survey map prepared by a registered professional surveyor and mapper, as well as all plantings and other elements required by the Sarasota County Zoning Ordinance, and in compliance with the following:	Changed to be consistent with the consolidated trees code, Ordinance No. 2011-023 as codified in Chapter 54, Article XVIII of the Sarasota County Code.
Article III, Section 74-62.a.14.	A habitat map with all habitats delineated clearly, in accordance with **the Sarasota County Comprehensive Plan**~~Apoxsee~~ nomenclature. Habitats may be delineated on an aerial photograph (scale: one inch = 200 feet or less). All preservation (including mitigation areas) and conservation areas must be labeled appropriately on the site development plan.	The term "Apoxsee" was widely used before 2006 and since that time the term "Sarasota County Comprehensive Plan" is used.

Article III, Section 74-62.a.18.	A tree protection plan in compliance with the current Tree**s** ~~Protection~~ Ordinance and the attached Environmental Technical Manual.	Changed to be consistent with the consolidated trees code, Ordinance No. 2011-023 as codified in Chapter 54, Article XVIII of the Sarasota County Code.
Section C.4., Development Improve-ments Technical Manual	*Disposition of stormwater; drainage level of service.* Stormwater quality: No discharge from any ~~s~~**S**tormwater ~~m~~**M**anagement **System** ~~facility~~ shall cause or contribute to a violation of water quality standards in waters of the State as provided for in State Statutes. Further, the County will develop and set criteria, based upon State and local regulations that will set a community level of water quality standard for ~~s~~**S**tormwater **Management Systems** ~~discharge facilities~~. Stormwater Quantity: No discharge from any ~~s~~**S**tormwater ~~m~~**M**anagement **System** ~~facility~~ shall cause adverse increases in off-site flood levels. A complete ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall provide adequate control of stormwater runoff. In order to avoid burdening downstream drainage ways and for general conservation purposes, the following specific guidelines are as follows:	To be consistent, all references are changed to Stormwater Management System(s).
Section C.4.c., Development Improve-ments Technical Manual	Drainage systems shall include special engineering design features to minimize pollution from oil, suspended solids and other objectionable materials. Wet detention treatment systems shall be designed to treat one inch of runoff; other treatment systems shall be designed to treat the runoff resulting from the first one inch of rainfall. Stormwater **Management** ~~s~~**S**ystems discharging directly into saltwater tidal systems, bays, or the gulf shall be designed to treat one and one-half times the volume required for the selected treatment system. Runoff from the area being developed or redeveloped shall be treated**. As an alternative to the volume based treatment methodology, an applicant may design the system to demonstrate a Net Improvement (See Appendix C26b) to water quality by using one of the following methodologies:** **1. For projects located within the watershed of a waterbody listed as impaired by the Florida Department of Environmental Protection or U.S. Environmental Protection Agency, the applicant must demonstrate a reduction of those pollutants to the waterbody associated with the impairment.** **2. For other project areas, the applicant must demonstrate to the County Engineer or his**	To be consistent, all references are changed to Stormwater Management System(s). Expanded to allow for Net Improvement and use. Created Appendix C26b.

	or her designee that the project results in a reduction of mean annual runoff. The mean annual runoff analysis must be based on local long term daily rainfall data of 15 years or greater.	
Section C.4.d., Development Improve-ments Technical Manual	Stormwater **Management** ~~s~~Systems shall be designed to reduce floating and suspended solids to a minimum.	To be consistent, all references are changed to Stormwater Management System(s).
Section C.4.g., Development Improve-ments Technical Manual	A plan for operating and maintaining the ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall be provided. The plan shall include a schedule of tasks to be performed including periodic dredging and silt removal by the designated responsible entity and shall be sufficient to ensure proper performance of the system.	To be consistent, all references are changed to Stormwater Management System(s).
Section C.4.h., Development Improve-ments Technical Manual	A construction plan stormwater review checklist (See Appendix C25) and a construction plan stormwater design summary form (See Appendix C26) will be required for all developments which are not a part of a previously approved ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem.	To be consistent, all references are changed to Stormwater Management System(s).
Section C.5.a., Development Improve-ments Technical Manual	Underground facilities are not acceptable unless adequate justification and demonstration of reliable performance can be provided to the satisfaction of the County Engineer based on standard engineering practice. Underground facilities shall provide for easy inspection, access and maintenance. ~~Voids in gravel or similar material cannot be included in the calculation of a treatment or attenuation storage.~~	Deleted voids in gravel restriction.
Section C.5.c., Development Improve-ments Technical Manual	Dry detention ponds **with manmade filter systems where the distance from the filter system to the most remote point of the pond bottom exceeds** 150 feet in length shall have a concrete low flow v-channel. The v-channel shall be a minimum of two-feet wide and approximately two inches deep and at least four-inches thick. The dry pond bottom slopes shall be a minimum 0.1 percent.	Provides clarification on intent.
Section C.5.d., Development Improve-ments Technical Manual	Chain-link and wood fences are prohibited around ~~s~~**S**tormwater **Management Systems** ~~facilities~~.	To be consistent, all references are changed to Stormwater Management System(s).
Section C.5.e.,	A master ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem, including attenuation and treatment facilities, will be	To be consistent, all references are changed

Development Improve-ments Technical Manual	required for all properties that are the subject of the same rezone petition and/or special exception. The master ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall fully accommodate and benefit all lots, parcels or tracts within the rezoned property. The master ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall be approved prior to or concurrent with the first site and development plan for the site.	to Stormwater Management System(s).
Section C.5.f., Development Improve-ments Technical Manual	**Applicants may use the voids in gravel or similar material in the calculations of treatment or attenuation storage only when it is demonstrated to Planning and Development Services or its successor that the percent void space is 80% of the testing laboratory values for the selected aggregate(s), if obtained and certified by a Florida licensed geotechnical professional or as demonstrated by the manufacturer's or supplier's specification. Applicant shall provide manufacturer's or supplier's specifications or published documentation to Planning and Development Services to support the provided values.**	Created to establish void storage parameters.
Section G., Development Improve-ments Technical Manual	*Abandoned wells and* ***onsite sewage treatment and disposal systems*** ~~*septic tanks.*~~ All abandoned wells as defined in Sarasota County Ordinance 97-034 or as amended, shall be plugged by a licensed well driller in an approved manner, within 60 days from notification and prior to development approval. ~~All existing abandoned septic tanks must be pumped, crushed and filled in accordance with Chapter 64E-61 F.A.C. within 90 days of notification and prior to development approval.~~ **Onsite sewage treatment and disposal systems shall be abandoned in accordance with Rule 64E-6.011, Florida Administrative Code, as may be amended from time to time. Any existing onsite sewage treatment and disposal system disconnected from a structure that was made unusable or destroyed following a disaster may be reconnected to a rebuilt structure as per procedures in Section 381.0065, Florida Statutes, as may be amended from time to time. A septic tank from a single family residence may be converted to a Cistern and utilized for non-potable irrigation purposes only, if the provisions in Rule 64E-6.011, Florida Administrative Code, as may be amended from time to time are followed. A septic tank may also become part of the sanitary sewer system or a part of the Stormwater Management System**	To be consistent with state regulations, a provision to convert septic tanks to cisterns is added.

	upon approval by the Department of Environmental Protection or its designee.	
Section B.4.a., Subdivision Technical Manual	*General.* A complete ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall be provided for the treatment and control of stormwater runoff that originates within the subdivision, or that flows onto or across the subdivision from adjacent lands. Said ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall be designed in accordance with Southwest Florida Water Management District criteria provided in the District's Permit Information Manual and modified as necessary to comply with Sarasota County Stormwater Management regulations. The designs shall be based on a 100-year, 24-hour storm and the level of service criteria given in Appendix C14. The system shall be designed for long life, low cost and ease of maintenance by normal methods. Drainage calculations shall be based on appropriate hydrologic design methods as approved by the County. 1) The rational method may be used for developments of ten acres or less. 2) For developments greater than ten acres, runoff hydrographs shall be developed and routed through the proposed ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~System.	To be consistent, all references are changed to Stormwater Management System(s).
Section B.4.b., Subdivision Technical Manual	*Roadside ~~s~~**S**wales.* Roadside swales within street rights-of-way shall be sodded and have side slopes no steeper than three to one and back slopes no steeper than four to one. Normal swale sections shall be a minimum of six-inches deep. Runoff may accumulate up to halfway across the outside travel lane for a ten-year, 24-hour storm. Water in excess of this quantity shall be diverted from the roadside swales and carried away by storm sewers, or other approved means. Where flow velocities in excess of two feet per second are anticipated, curb and gutter shall be provided.	A definition for Swales is added to Section 74-7.
Section B.4.c., Subdivision Technical Manual	*Lot line ~~s~~**S**wales.* Lot line swales shall be required and preserved via covenants and restrictions for each lot, unless other drainage means are affected, according to an approved development drainage study. Rear lot ~~s~~**S**wales greater than 150 feet in length and less than 0.2 percent grade shall have a concrete low flow v-channel provided by the developer. The v-channel shall be a minimum two-feet wide and approximately two-inches deep and at least four-inches thick.	A definition for Swales is added to Section 74-7.
Section B.4.d., Subdivision Technical Manual	*Open channels and outfall ditches.* With the exception of roadside ~~s~~**S**wales and major drainage ways, open drainageways within 100 feet of school sites shall not be permitted unless specifically approved by the Board. In these areas, drainage plans shall provide	A definition for Swales is added to Section 74-7.

	the stormwater be collected in properly designed systems of underground pipes, inlets and other appurtenances and be conveyed to an ultimate positive outfall beyond the outer edge of the subdivision or at the nearest natural outfall. Where permitted, open drainageways shall retain natural characteristics and be so designed and protected that they do not present a hazard to life and safety. Protection against scour and erosion shall be provided based on standard engineering practice as required by the County Engineer.	
Section B.4.e., Subdivision Technical Manual	Drainage level of service: Stormwater quality: no discharge from any ~~s~~**S**tormwater **Management System** ~~discharge facility~~ shall cause or contribute to a violation of water quality standards in waters of the state as provided for in State Statutes. Further, the County will develop and set criteria based upon state and local regulations which will set a community level of water quality standard for ~~s~~**S**tormwater **Management Systems** ~~discharge facilities~~; and Stormwater quantity: No discharge from any ~~s~~**S**tormwater ~~m~~**M**anagement **System** ~~facility~~ shall cause adverse increases in off-site flood levels. A complete ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall provide for adequate control of stormwater runoff. In order to avoid burdening downstream drainageways and for general conservation purposes, the following specific guidelines are as follows:	To be consistent, all references are changed to Stormwater Management System(s).
Section B.4.e.3., Subdivision Technical Manual	~~Drainage systems~~ **Stormwater Management Systems** shall include special engineering design features to minimize pollution from oil, suspended solids and other objectionable materials. Wet detention treatment systems shall be designed to treat one (1) inch of runoff; other treatment systems shall be designed to treat the runoff resulting from the first one (1) inch of rainfall. Stormwater **Management** ~~s~~**S**ystems discharging directly into saltwater tidal systems, bays, or the gulf shall be designed to treat 1.5 times the volume required for the selected treatment system. Runoff from the area being developed or redeveloped shall be treated**. As an alternative to the volume based treatment methodology, an applicant may design the system to demonstrate a Net Improvement (See Appendix C26b) to water quality by using one of the following methodologies:** **a. For projects located within the watershed of a waterbody listed as impaired by the Florida Department of Environmental Protection or U.S. Environmental Protection Agency, the applicant must demonstrate a reduction of those pollutants to the**	To be consistent, all references are changed to Stormwater Management System(s). Expanded to allow for Net Improvement and use. Created Appendix C26b.

	waterbody associated with the impairment. **b. For other project areas, the applicant must demonstrate to the County Engineer or his or her designee that the project results in a reduction of mean annual runoff. The mean annual runoff analysis must be based on local long term daily rainfall data of 15 years or greater.**	
Section B.4.e.4., Subdivision Technical Manual	Stormwater **Management** ~~s~~**S**ystems shall be designed to reduce floating and suspending solids to a minimum.	To be consistent, all references are changed to Stormwater Management System(s).
Section B.4.e.7., Subdivision Technical Manual	A plan for operating and maintaining the ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem shall be provided. The plan shall include a schedule of tasks to be performed including periodic dredging and silt removal by the designated maintenance entity and shall be sufficient to ensure proper performance of the system.	To be consistent, all references are changed to Stormwater Management System(s).
Section B.4.e.8., Subdivision Technical Manual	A certificate of ownership and delegation of Stormwater **Management System** ~~Facilities~~ Maintenance Agreement (See Appendix C23), will be required for all developments which are not a part of a previously approved ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem.	To be consistent, all references are changed to Stormwater Management System(s).
Section B.4.e.9., Subdivision Technical Manual	A construction plan stormwater review checklist (See Appendix C25)~~, and~~ a construction plan stormwater design summary form (See Appendix **C26a) and a construction plan stormwater design summary form for Net Improvement (See Appendix C26b)** will be required for all developments which are not a part of a previously approved ~~s~~**S**tormwater ~~m~~**M**anagement ~~s~~**S**ystem.	To be consistent, all references are changed to Stormwater Management System(s).
Section B.4.f., Subdivision Technical Manual	*Attenuation and retention facilities.* 1) Underground facilities are not acceptable unless adequate justification and demonstration of reliable performance can be provided based on standard engineering practice to the County Engineer. Underground facilities shall provide for easy inspection, access and maintenance. ~~Voids in gravel or similar material cannot be included in the calculation of treatment or attenuation storage.~~ 2) Dry detention ponds **with manmade filter systems which have a distance from the filter system to the most remote point of the pond bottom** greater than 150 feet in length shall have a concrete low flow v-channel. The v-channel shall be a minimum of two-feet wide and approximately two-inches deep and at	Deleted voids in gravel restriction. Provides clarification on intent.

	least four-inches thick. The dry pond bottom slopes shall be a minimum 0.1 percent. 3) **Applicants may use the voids in gravel or similar material in the calculations of treatment or attenuation storage only when it is demonstrated to Planning and Development Services or its successor that the percent void space is 80% of the testing laboratory values for the selected aggregate(s), if obtained and certified by a Florida licensed geotechnical professional or as demonstrated by the manufacturer's or supplier's specification. Applicant shall provide manufacturer's or supplier's specifications or published documentation to Planning and Development Services to support the provided values.**	
Section B.9., Subdivision Technical Manual	*Abandoned wells and* ***onsite sewage treatment and disposal systems*** ~~*septic tanks.*~~ All abandoned wells as defined in Sarasota County Ordinance 97-034 or as amended, shall be plugged by a licensed well driller in an approved manner, within 60 days from notification and prior to development approval. ~~All existing abandoned septic tanks must be pumped, crushed and filled in accordance with Chapter 64E-61 F.A.C. within ninety (90) days of notification and prior to development approval.~~ **Onsite sewage treatment and disposal systems shall be abandoned in accordance with Rule 64E-6.011, Florida Administrative Code, as may be amended from time to time. Any existing onsite sewage treatment and disposal system disconnected from a structure that was made unusable or destroyed following a disaster may be reconnected to a rebuilt structure as per procedures in Section 381.0065, Florida Statutes, as may be amended from time to time. A septic tank from a single family residence may be converted to a Cistern and utilized for non-potable irrigation purposes only, if the provisions in Rule 64E-6.011, Florida Administrative Code, as may be amended from time to time are followed. A septic tank may also become part of the sanitary sewer system or a part of the Stormwater Management System upon approval by the Department of Environmental Protection or its designee.**	To be consistent with state regulations, a provision to convert septic tanks to cisterns is added.
Section 74-212, Appendices	Revised appendices: C13a, C13b, C23, C25, C26a, C27, and C28 Added appendices: C13c and C26b	To be consistent, the appendices are changed to reflect the proposed wording in the code amendments.

The amended sections in the Zoning Regulations are outlined in Table 4 below.

Table 4. Amendments to the Zoning Regulations

Code Section	Adopted Language	Reason
Article 6, Subsection 6.2.4. d.	**Vegetation associated with Greenroof Treatment System designs, provided the placed vegetation does not grow higher than six (6) feet above the already allowable maximum building height. The vegetation height shall be measured to the expected mature height for the vegetation selected for the Greenroof Treatment System Construction. In no event shall the proposed vegetation be of such height or size that they penetrate the daylight plane, as described in Section 6.2.2.**	Defines Greenroof vegetation parameters for building height.
Article 6, Subsection 6.2.7.b.	Open space may be used for parks, recreation, agriculture, conservation, preservation of native habitat and other natural resources, ~~s~~Stormwater ~~m~~Management System, historic or scenic purposes. **For the purpose of this section, Greenroof Treatment Systems, Cisterns, and Pervious Pavement Systems shall not be included in the Stormwater Management System open space calculation.**	To be consistent, all references are changed to Stormwater Management System(s). Identifies LID alternatives that won't be included in open space calculations.
Article 6, Subsection 6.8.3.i.	~~Landscaped buffer areas in accordance with Section 7.3.8 and not less than 25 feet in width shall be required along all RMH District boundaries, except for points of ingress and egress.~~ **Except at points of ingress and egress, a property owner in an RMH district shall maintain landscaped buffer areas along the district boundaries. These landscaped buffer areas shall meet the requirements of Section 7.3.8 and not be less than 25 feet in width.** Such buffer areas may be used for ~~drainage structures~~ **Stormwater Management** Systems and utility easements, but shall not be used for any other purpose. Landscape buffer areas shall not be permitted to extend into lots or spaces designated for manufactured home use. All required buffer areas shall be planted with vegetative materials in accordance with Section 7.3, Landscaping and Buffering.	Reworded sentence. To be consistent, all references are changed to Stormwater Management System(s).
Article 7, Subsection 7.1.13.g.5.	**However, rock and shell may be used along the front slope for energy dissipation (e.g., erosion control stabilization) when surface runoff from parking areas is being directed to landscaped medians and islands.**	Provides clarification on intent and allows for LID use.

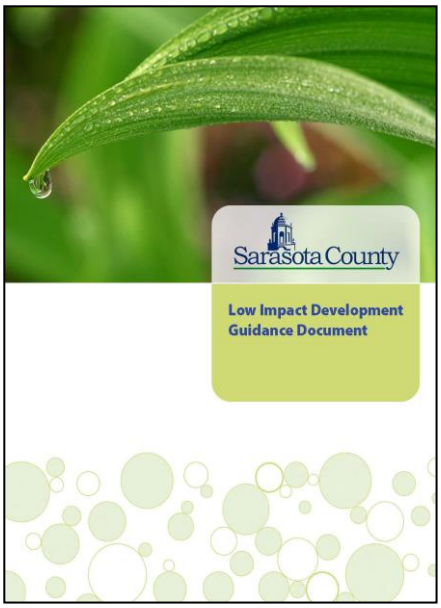
Article 7, Subsection 7.1.13.i.	Where off-street facilities are provided for parking or any other vehicular use areas, they shall have curbs so as to prevent vehicles from overhanging on or into adjacent property, or **perimeter** landscaped areas.	Provides clarification for intended location.
Article 7, Subsection 7.1.13.k.2.	Grass lawn, shell or other **pervious**~~previous~~ parking surfaces may be permitted for specific uses as set forth below, provided they are approved by the Zoning Administrator and County Engineer.	Corrected scrivener error.
Article 7, Subsection 7.2.4.e.	Pedestrian walkways shall be consistent with Section 4.5 of the Florida Accessibility Code. Materials may include specialty pavers, **Pervious Pavement Systems,** concrete, colored concrete or stamped pattern concrete.	Allows for alternative material to be chosen.
Article 7, Subsection 7.3.3.f.	**When the Applicant elects to place a Stormwater Management System within the landscape buffer area, the county may allow for a different soil composition using best professional judgment, provided that such a determination must take into account such facts as permeability, percent organic matter, survivability of plantings in such soil, and soil depth.**	Allows for flexibility to utilize LID alternatives.
Article 7, Subsection 7.3.3.h.6.	**Alternative Plant Material for use in Low Impact Development Techniques. This plant list represents suggested plant species selections that may be utilized in Stormwater Management Systems using Low Impact Development Techniques and is not meant to be exhaustive in nature. Taking into account such factors as soil, hydrology, topography, mature root zone, and available sunlight affecting the survivability of the plantings, the county may approve any requested plants or trees not included on the list.**	Added table of alternative plant material for low impact development techniques.
Article 7, Subsection 7.3.4.a.	A buffer is not intended to be commensurate with the term "yard." ~~or the term "stormwater management area."~~	Deleted the term stormwater management area.
Article 7, Subsection 7.3.4.d.2.	Trees and shrubs shall be installed at least five feet away from the flow line of a ~~s~~**S**wale.	A definition for Swales is added to Article 10, Subsection 10.2.
Article 7, Subsection 7.3.4.d.6.	**An Applicant may use Low Impact Development techniques such as, but not limited to, Shallow Bioretention and Detention with Biofiltration to meander through the landscape buffer, provided the buffer meets the following requirements: (1) opacity; (2) landscape buffer width; and (3) a stormwater easement provides permanent rights of drainage.**	Allows for flexibility to utilize LID alternatives.

Article 7, Subsection 7.3.13.c.	A required buffer is encouraged to retain areas of native habitat and may incorporate water resources including ~~s~~Stormwater **Management Systems** ~~detention/retention facilities~~. However a minimum ten-foot ~~contiguous~~ width of the buffer shall be preserved as a planting area without a ~~s~~Stormwater **Management System** ~~facilities~~ **When the Applicant elects to place a Stormwater Management System within the landscaped buffer area, the county shall review the application and determine the appropriate width and configuration based on best professional judgment and taking into account such factors as the soils, hydrology, topography, mature root zone, and biota effecting the efficacy of such a Stormwater Management System or the survivability of any plantings.**	To be consistent, all references are changed to Stormwater Management System(s).
Article 7, Subsection 7.3.18.a.2.	All landscaped areas shall be protected from vehicular encroachment by curbs, wheel stops or other similar devices. All landscape islands shall be curbed **to prevent vehicular encroachment; however, curb cuts may be used to facilitate flow of stormwater runoff into landscape islands**. With the approval of the Zoning Administrator, grass, shell, or other permeable surface parking areas may use alternative forms of curbing.	Provides clarification on intent. Allows for stormwater runoff to enter landscape islands.
Article 7, Subsection 7.3.18.b.5.	The front of a vehicle may encroach upon any interior landscaped island or walkway when said area is at least four and one-half feet in depth per abutting parking space and protected by curbing. Two feet of such interior landscaped island or walkway may be part of the required depth of each abutting parking space. **When the Applicant elects to place a Stormwater Management System within the landscaped island, the county may approve a different width and configuration based upon best professional judgment and taking into account such factors as soils, hydrology, topography, and other factors affecting the efficacy of the Stormwater Management System or survivability of any plantings.** No tree or shrub more than two feet in height shall be planted within two feet of the edge of the landscape island. The front of a vehicle shall not encroach within any project boundary or street buffer area required by this section.	Allows for flexibility of plant selection when utilizing LID alternatives.
Article 7, Subsection 7.3.18.b.7.i.	All parking lot planting areas receiving trees shall have uncompacted coarse loam that is a minimum of 36 inches deep. All compacted soil, contaminated soil or roadbase shall be removed. Under no circumstances shall median soils with greater than five percent or less than 0.5 percent organic matter be accepted. Soils in planting areas must be appreciably free of	Allows for flexibility to utilize LID alternatives.

	gravel, stones, rubble or trash. **When the Applicant elects to place a Stormwater Management System within the parking lot island, the county may approve a different soil composition based upon best professional judgment and taking into account the efficacy of the Stormwater Management System and the survivability of any plantings.**	
Article 10, Subsection 10.2	***Cistern.*** **A low impact development technique that utilizes a closed reservoir or tank used for storing rainwater for rainwater harvesting.** ***Detention with biofiltration.*** **A low impact development technique using a landscaped depression area to manage stormwater runoff with a separate inlet and outlet (underdrain). Depressions are often linear and may be connected in series. Storage volume recovery of the depression is through an underdrain system.** ***Greenroof Treatment System.*** **A low impact development technique using a roof area that includes at a minimum vegetation, media, and a waterproof membrane. To receive water quality credit, it is specifically built with a cistern or water holding system from which irrigation is provided.** ***Low Impact Development (LID).*** **A stormwater management approach that uses a suite of hydrologic controls (structural and non-structural) distributed throughout the site and integrated as a treatment train (i.e., in series) to replicate the natural hydrologic functioning of the landscape by infiltrating, filtering, storing, evaporating, and detaining stormwater runoff.** ***Pervious Pavement System.*** **A low impact development technique using numerous types of alternative pavement systems that allows stormwater to infiltrate into a subsurface drainage system then into the parent soil (e.g., permeable pavers, pervious asphalt, and pervious concrete).** ***Shallow Bioretention.*** **A low impact development technique using shallow landscaped depressions with soils, mulch, and planted vegetation intended to capture, treat, and infiltrate stormwater runoff.** ***Stormwater Management*** **System. The appurtenances, facilities and designed features of the property, which collect, convey, channel,**	Added definitions for: Cistern, Detention with biofiltration, Greenroof Treatment Systems, Low Impact Development, Pervious Pavement System, Shallow Bioretention, Stormwater Management System, and Swale.

	hold, treat, detain or divert stormwater runoff. These systems may include low impact development techniques. ***Swale.*** **Open, shallow channels with low-lying vegetation covering the side slopes and bottom that collect and slowly convey runoff to downstream discharge points.**	
Article 11, Subsection 11.1.6.e.9.iii.	Blank walls shall not occupy over 50 percent of a street-facing frontage and shall not exceed 20 linear feet without being interrupted by a window or entry. No more than 20 feet of horizontal distance of wall shall be provided without architectural relief for building walls and frontage walls facing the street. Buildings shall provide a foundation or base that extends from the ground to the bottom of the lower windowsills, that is distinguished from the building face by a change in volume or material. A clear visual division shall be maintained between the ground level floor and upper floors, which may include changes in volume or materials or other architectural detailing such as a belt course or cornice. The top of any building**, including those with Greenroof Treatment Systems,** shall contain a distinctive finish consisting of a cornice or other architectural termination as described below; subsection iv., Additional Design Features.	Allows for Greenroof Treatment Systems; however, they must conform to the architectural style of the building in a Planned Economic District.
Article 11, Subsection 11.1.7.a.3.	Sidewalk Width Minimum **(pervious pavement is encouraged)**	To encourage walkability, the existing code language allows for an increase of sidewalk width to 7 feet for a "B" Street and 10 feet for an "A" Street (as compared to a standard sidewalk width of 5 feet). As a result, the area of impervious surface is increased. Pervious pavement is encouraged in this area.

Low Impact Development Guidance Document



The Low Impact Development (LID) Guidance Document was updated in May, 2015.

LID is a stormwater management approach that uses a suite of hydrologic controls (structural and non-structural) distributed throughout the site and integrated as a treatment train (i.e., in series) to replicate the natural hydrologic functioning of the predevelopment landscape. Unlike conventional systems, which typically control and treat runoff using a single engineered stormwater pond located at the "bottom of the hill," LID systems are designed to promote volume attenuation and treatment at or near the source of stormwater runoff via distributed retention, detention, infiltration, treatment, and reuse mechanisms. The fundamental goal of applying LID concepts, design, and practice is to improve the overall effectiveness and efficiency of stormwater management relative to conventional systems, reducing total and peak runoff volumes and improving the quality of waters discharged from the site.

Jones Edmunds and Associates, Inc. completed a LID Guidance Document specific to Sarasota County that contains the following techniques: (1) Shallow bioretention; (2) Pervious pavements; (3) Stormwater harvesting; (4) Greenroof stormwater treatment systems; (5) Rainwater harvesting; and (6) Detention with biofiltration.

This document supports Sarasota County's goal of applying the LID concept and design where feasible to enhance existing stormwater management measures and reduce the adverse impacts of land development projects on the county's natural resources.

The guidance document is posted on the County's LID website at:
https://www.scgov.net/WaterServices/Pages/LowImpactDevelopment.aspx

Community Reinvestment Program, Chapter 38, Article VIII of the Sarasota County Code, Ordinance No. 2006-027, as amended

On September 21, 2015 the Sarasota County Commission unanimously passed amendments to the Community Reinvestment Program, Ordinance No. 2015-064. See below for summary.

The Board of County Commissioners (the "Board") recognizes the importance of fostering redevelopment efforts through reinvestment into the community as a means of effectively utilizing existing infrastructure and underutilized properties, improving our neighborhoods, as well as expanding the County's tax base. Although there are a variety of ways to address redevelopment, communities have typically looked first to establishing Community Redevelopment Areas (CRAs) as the mechanism to achieve this initiative. CRAs and Tax Increment Financing (TIFs) are tools to revitalize targeted areas. Tax Increment Financing works by redirecting a specific increment of property taxes to the CRA (targeted area), which has the effect of elevating the priority of CRA projects over other communitywide projects and reducing funds available for citywide/countywide services. In addition, a CRA requires a long term commitment of tax revenues often without specific performance obligations. As a result, the Board chose to look at alternative methods of investment for redevelopment. The ordinance amendments would provide for these alternative methods of investment.

As it currently stands, those entities that are eligible to apply for the Program include the municipalities and Sarasota County. The qualifying project types include acquisition of real property; relevant expenses of redevelopment planning, surveys and financial analyses; design, preparation and construction of public improvements; and partial or full repayment of any debt obligation. The existing ordinance states that the county shall consider investing in eligible projects based upon the extent to which the project achieves the following criteria:

1. Preserves and strengthens existing communities focusing on a sense of place;
2. Promotes one or more of the following smart growth goals:
    a. Provide for a variety of land uses and lifestyles to support residents of diverse ages, incomes, and family sizes;
    b. Reduce automobile trips;
    c. Create efficiency in planning and provision of infrastructure;
    d. Conserve water and energy;
    e. Encourage green building;
    f. Allocate development costs appropriately;
    g. Balance jobs with housing.
3. Provides a net increase to the tax base;
4. Is financially feasible and promotes an optimal return on the County's investment;
5. Includes a substantial financial contribution from non-county sources.

The existing ordinance also provides for the Board to adopt an application review process by resolution, which the Board did in May 2006. The Board is currently required to consider all complete applications and make the final determination as to whether the project/activity shall be funded by the Program. The terms and conditions of the funding, the method of investment, the schedule of reports and other relevant terms are to be set forth in an interlocal agreement with the municipal applicant or by Board Resolution if the applicant is the County.

At the Board's discretion, county investment in a project is to be made either through loans or grants, determined on a project specific basis. County investment under the Program within existing Community Redevelopment Areas (CRA) is to be predicated on the successful renegotiation of terms and conditions in the CRA's existing Plan in furtherance of the County's goal of providing a reasonable, quantifiable and prudent mechanism for county participation in redevelopment activities. The Program funding is at the discretion of the Board.

At the budget workshop on February 20, 2015, the Board directed the County Administrator to research initial funding to the Fiscal Year (FY) 2016 proposed budget for Community Reinvestment Funds and to set updated parameters and guidelines for use and distribution of funds, pursuant to the existing ordinance. As a result of this direction, the Office of Business and Economic Development (OBED) reviewed the existing Program ordinance and guidelines and presented a recap of this review during the budget workshop on May 14, 2015. The County Administrator was requested to incorporate a methodology based on qualifying criteria and scoring in the Program and to include seed money in the FY2016 proposed budget for the Program. The initial proposed funding is recommended to come from the Housing and Community Development Fund in the amount of $500,000. Based on this direction, OBED convened a group of community stakeholders including representatives from the Economic Development Corporation of Sarasota County and the cities of North Port, Sarasota, and Venice. This group met and proposed changes to the existing ordinance related to the findings of fact, eligible projects, criteria for activity/project investment, method of investment, and progress reports.

The amended sections in the Community Reinvestment Program are outlined in Table 5 below.

Table 5. Amendments to the Community Reinvestment Program

Code Section	Adopted Language
Section 38-180	(a) Pursuant to Article VIII, Section 1 (g) of the Florida Constitution, Chapter 125, Florida Statutes, and the Sarasota County Charter, the Board of County Commissioners ("Board") has all the powers of local self-government to perform County functions, municipal functions and to render services for County purposes in a manner not inconsistent with general law, or with special law approved by vote of the electors, and such power may be exercised by the enactment of County ordinances. ~~Section 125.01 1 (g), Florida Statutes, expressly authorizes counties to prepare and enforce comprehensive plans for the development of the county.~~ (b) It is in the best interests of the public that the County encourage <u>community</u> redevelopment <u>with the construction of new public facilities or public improvements as well as the redesign, alteration, renovation and expansion of existing facilities or public improvements</u> through community reinvestment, and to promote the principles set forth in the ~~2000 Sarasota County Evaluation and Appraisal Report regarding~~ "Directions for the Future" <u>as noted in the Comprehensive Plan</u> ~~and the top 10 community issues.~~

	(c) ~~Redevelopment~~ Construction of new public facilities and improvements as well as the redesign, alteration, renovation and expansion of existing facilities or public improvements within urban areas promotes the efficient and effective use of land, infrastructure and other resources. (d) Targeted ~~redevelopment~~ investment in public facilities and improvements is an integral part of improving and revitalizing neighborhoods. (e) Forming partnerships with other governmental entities to foster development and redevelopment of projects that promote~~s~~ a unified vision for a sense of place and optimizes the use of public infrastructure so as to promote an optimal return on investment and ensure a healthy tax base, now and into the future.
Section 38-184	~~Activities/p~~ Projects shall be a part of ~~an adopted~~ a municipal or County redevelopment program, ~~and/or an adopted~~ master plan or policy adopted by the governmental entity in furtherance of the public interest and may include: (1) Acquisition of real property; ~~(2) Relevant expenses of redevelopment planning, surveys and financial analyses;~~ (2) ~~(3)~~ Design, engineering, site preparation and construction of public improvements, including, but not limited to, roads, streetscaping, water and wastewater systems, and other public amenities or facilities, which are necessary to the success of the project ~~redevelopment program~~; (3) Renovation, redesign, alteration or expansion of existing public facilities or public improvements. ~~(4) Partial or full repayment of principal and interest, or, any refunding, advance refunding, or redemption of any debt obligation, including issuance costs and incidental expenses thereto, provided, however, that the proceeds or portion proceeds of such debt obligation was used for a project or projects which would otherwise qualify for benefits under this Community Reinvestment Program.~~
Section 38-185	Upon submittal of an application by a governing body of a municipality or the County, the County shall consider investing in eligible ~~activities/~~projects that preserve and strengthen existing communities, based upon the extent to which the activity/project achieves the following criteria: ~~(a) Preserves and strengthens existing communities focusing on a sense of place;~~ (a) Applicant has completed relevant project feasibility studies, plans, surveys and financial analyses; (b) Promotes one or more of the following ~~smart~~ sustainable growth goals: (1) Commitment to local procurement and local hiring (2) Capital investment in areas experiencing underinvestment (3) Sustainable transportation strategies (4) Land use - walk score (5) Minimize environmental impacts (6) Sustainable water strategies (7) Sustainable building strategies

	(8) Balance jobs with housing ~~(1) Provide for a variety of land uses and lifestyles to support residents of diverse ages, incomes, and family sizes;~~ ~~(2) Reduce automobile trips;~~ ~~(3) Create efficiency in planning and provision of infrastructure;~~ ~~(4) Conserve water and energy;~~ ~~(5) Encourage green building;~~ ~~(6) Allocate development costs appropriately;~~ ~~(7) Balance jobs with housing.~~ (c) Provides an economic stimulus to the community; ~~Provides a net increase to the tax base;~~ (d) Leverages funding from other public and private sources. ~~(d) Is financially feasible and promotes an optimal return on the County's investment;~~ ~~(e) Includes a substantial financial contribution from non-county sources.~~
Section 38-188	At the Board's discretion, County investment in a ~~Program activity/~~project shall be ~~made either through loans or grants,~~ determined on a project specific basis as either pay-for-performance or reimbursement. Upfront lump-sum payment will be considered if there are irrevocable commitments from other funding sources. ~~County investment within existing Community Redevelopment Areas (CRA) shall be predicated on the successful renegotiation of terms and conditions in the CRA's existing Plan in furtherance of the County's goal of providing a reasonable, quantifiable and prudent mechanism for County participation in redevelopment activities.~~
Section 38-190	Progress reports and requests for payment shall be submitted to the ~~Board~~ County pursuant to the process established by Board resolution.

Water Pollution Control Code, Chapter 54, Article VII of the Sarasota County Code, Ordinance No. 96,020, as amended

No code amendments were proposed during Years 1 or 2. The Water Pollution Control Code was last amended on January 13, 2010.

Highlights of the Code:

- Designation of inspectors
- Right of inspection
- Duties of a Domestic Wastewater Facility Operator
- Timeframe for reportable events
- Outlines allowable non-stormwater discharges
- Outlines unauthorized discharges
- Requirements for land spreading of biosolids
- Enforcement

Air and Water Quality staff continues to respond to citizen concerns and conduct proactive inspections. Citizen calls are quickly responded to and investigated to resolve reports of pollution incidents.

In an effort to promote education of staff, an online class was developed on pollution prevention called Illicit Discharge Detection and Elimination (IDDE) Training. Information is available on the County's website at:

https://www.scgov.net/AirAndWaterQuality/Pages/WaterPollutionPrevention.aspx

Fertilizer and Landscape Management Code, Chapter 54, Article XXXII of the Sarasota County Code

Ordinance No. 2007-062, Resolution 2006-126, and Resolution 2007-187

No code amendments were proposed during Years 1 or 2. The Fertilizer and Landscape Management Code was last amended on August 27, 2007.

To address concerns about water pollution caused by stormwater runoff, the Sarasota County Commission on May 24, 2006, signed Resolution No. 2006-126. This marked the first step in the Board's commitment to engage the citizens in "Community Conversations on Fertilizer Management."

On April 30, 2007 the Sarasota County Commission unanimously passed an emergency fertilizer ordinance.

On August 27, 2007 the Sarasota County Commission unanimously passed an ordinance aimed at reducing fertilizer pollution to local waterbodies. Using a blend of education, training, regulation, research, and demonstration sites, the County developed a community-driven solution to curb pollution caused by fertilizer runoff.

Nitrogen is a major component in most commercially available products, and it is known that nitrogen is the nutrient that is adversely impacting Sarasota County's waterways. The Florida Department of Environmental Protection has identified specific waterbodies in Sarasota County as "impaired" as a result of excess nutrients. The quality of the bays, estuaries, streams, lakes, and the Gulf of Mexico is critical to environmental, economic, and recreational prosperity and to the health, safety, and welfare of the citizens.

Sarasota County has been working toward reducing the nitrogen levels in its watersheds for years. The County has addressed this initiative through the

replacement of aging septic tanks, the expansion of wastewater treatment plants, and an education program on proper disposal of pet waste. The fertilizer management program is now part of this multi-pronged effort. Public outreach, in conjunction with regulatory action, has been a major factor in the success of the program.

Highlights of the Code:

- No fertilizer containing nitrogen or phosphorus can be applied to turf or landscape plants from June 1 to Sept. 30.
- Phosphorus amount can't exceed 0.25 pounds per 1,000 square feet for each application, and can't exceed 0.5 pounds per 1,000 square feet per year.
- Nitrogen fertilizer must contain at least 50 percent slow-release nitrogen. No more than four pounds of nitrogen per 1,000 square feet may be applied to turf or landscape plants each year. Florida regulations allow a maximum of 0.7 pounds of readily available (soluble) or one pound of total nitrogen per 1,000 square feet at any one time to turf.
- No fertilizer may be applied to impervious (non-porous) surfaces, and any spillage must be removed. Fertilizer may not be applied within 10 feet of any water body or wetland.
- A six-foot low-maintenance zone of landscape plants appropriate to preventing fertilizer runoff is recommended for any water body or wetland.
- A deflector shield is required on all broadcast spreaders to prevent fertilizer from being applied within 10 feet of any water body or wetland.
- No grass clippings, vegetative material or vegetative debris can be deposited in stormwater drains, ditches, conveyances, water bodies or roadways.

Enforcement
Fines start at $100 for failure to follow fertilizer management requirements or for directing a commercial company to disregard the requirements.

Sarasota County commercial fertilizer applicators are required to:

- Carry a wallet-size copy of Best Management Practices Training Certification;
- Display the Sarasota County Decal on their truck and trailer;
- Use a minimum of 50 percent slow-release nitrogen fertilizer product;
- Follow nitrogen and phosphorus fertilizer restrictions from June 1 to Sept. 30;
- Follow maximum amount restrictions for nitrogen and phosphorus;
- Use deflector shields on broadcast fertilizer spreaders;
- Remove deposited fertilizer from impervious surfaces;
- Remove grass clippings from roadways, storm drains and ditches;
- Promote the benefits of low-maintenance zones around water bodies; and
- Maintain a 10-foot fertilizer-free zone around water bodies and wetlands.

Air and Water Quality staff continues to respond to citizen concerns regarding fertilizer and the management of grass clippings and vegetative material. The County continues to partner with the Sarasota Bay Estuary Program and Tampa Bay

Estuary Program regarding public outreach efforts in the promotion of the Be Floridian campaign. The major success of the fertilizer program is a result of training and education and the partnership with UF/IFAS. The Fertilizer and Landscape Management Code educational brochures, final ordinance, resolution, and training schedules are available on the County's website at:
https://www.scgov.net/WaterServices/Pages/FertilizerManagement.aspx

https://www.scgov.net/WaterServices/Pages/FertilizerBMPTraining.aspx

Water-Efficient Landscaping Code, Chapter 22, Article VI of the Sarasota County Code, Ordinance No. 2001-081, as amended

No code amendments were proposed during Years 1 or 2. The Water-Efficient Landscaping Code was last amended on September 24, 2008.

On November 13, 2001 the Sarasota County Commission adopted Ordinance No. 2001-081 which regulates resourceful landscape planning and installation and water-efficient irrigation to promote water conservation. The Code was later amended on February 22, 2005 and on September 24, 2008, the sunset provision was removed.

Highlights of the Code:

- High water use area limited to 50% of irrigated area- contain turfgrass, annual flowers, and vegetable garden
- Impervious surfaces in planted area limited to 10%
- Organic mulch at least 3" deep
- No grass strips less than 4' (except next to contiguous properties)
- No plants under roof overhang and no irrigation
- Micro-irrigation for trees, shrubs, and groundcover beds
- Spray patterns to overlap 75-100%
- Separate irrigation zones for high and low water use zones
- Pop-up spray heads not mixed with rotors in same zone
- No excessive water sprayed on non-vegetated areas
- Functioning rain shutoff device
- Use of reclaimed water if available
- Copies of as-built drawings provided to property owner

Planning and Development Services staff continues to conduct inspections before a Certificate of Occupancy is given. Information is available on the County's website at:
https://www.scgov.net/Utilities/Pages/WaterRestrictions.aspx

Rain Barrel Harvesting Program, Resolution 2009-178

No resolution amendments were proposed during Years 1 or 2.

Rainwater harvesting - collecting rainwater in rain barrels or cisterns - is an age-old practice that modern society has abandoned in favor of a convenient, plumbed water supply. As a result of considerable community interest, staff implemented a program in November 2009 in which the citizens of Sarasota County may acquire the components necessary to assemble low cost rain barrels.

A simple rain barrel system has the potential to recover a substantial amount of rainwater. For example, 1 inch of rain falling on a 1,000-square-foot roof will yield more than 600 gallons of water. The use of this harvested water has several benefits:

- Rainwater harvesting can reduce the use of potable water and yield cost savings on water and wastewater utility bills;
- Rain barrels help to reduce stormwater runoff by diverting and storing runoff from impervious areas such as roofs. This decreases the undesirable impacts of runoff that would otherwise flow into receiving waters; and
- The use of rain barrels is a sustainable practice that also serves as an educational tool for water conservation.

Air and Water Quality staff partner with UF/IFAS Sarasota County Extension. At least one rain barrel workshop per month is held and is conducted at no cost.

The first sales event was held on November 14, 2009 and to date, over 2,500 barrels have been sold. At a minimum, 137,500 gallons of water have been captured if all barrels were filled at least once. Information is available on the County's website at:

https://www.scgov.net/AirAndWaterQuality/Pages/RainBarrel.aspx

ATTACHMENT II

TMDL UPDATE

TMDL Update
Sarasota County NPDES MS4 Annual Report for Year 2 of the Permit
May 23, 2016

- January 1, 2014 was the effective date of the NPDES MS4 permit.
- On May 19, 2014, the TMDL Prioritization Report established Alligator Creek WBID 2030 as the top priority for non-bacterial TMDLs in Sarasota County, and also established Phillippi Creek WBID 1937 as the top priority for bacterial TMDLs in Sarasota County.
- On October 14, 2015 the TMDL Monitoring and Assessment Report established a monitoring plan for Alligator Creek WBID 2030 TMDL, and the report also clarified the non-bacterial and bacterial TMDL priorities.
- The Briarwood Stormwater Treatment Facility is in operation and is removing nitrogen loading to Alligator Creek. Monitoring of nitrogen load reductions to Alligator Creek WBID 2030 is underway and an outline of a TMDL Implementation Plan is being drafted.
- Over 8,000 septic systems and 33 small wastewater plants have been connected to a modern sanitary sewage treatment system in the Phillippi Creek watershed. Substantial water quality monitoring of bacteria in Phillippi Creek WBID 1937 continues. Analysis of the data is underway, a pet waste ordinance is in place, bacterial reduction education is underway, and field investigations are beginning.
- On May 23, 2016, a proposed schedule adjustment for the Alligator Creek WBID 2030 TMDL was submitted to the FDEP requesting that the County provide the TMDL Implementation Plan (also known as the Supplemental Stormwater Management Plan) to the FDEP with the NPDES MS4 Annual Report for Year 4 by June 30, 2018.
- The May 23, 2016 a proposed schedule adjustment for the Phillippi Creek WBID 1937 TMDL was submitted to the FDEP requesting that the County provide the Bacterial Pollution Control Plan to the FDEP with the NPDES MS4 Annual Report for Year 4 by June 30, 2018.
- The October 2015 Final Report for the Gottfried Creek Walk the WBID Exercise included preventative actions to address the WBID 2049 Fecal Coliform TMDL. In 2015, the preventative actions were performed as per the report and the 2015 ambient water quality monitoring data did not indicate a need for additional actions.