



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 mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

Submit the form and attachments to:
 Florida Department of Environmental Protection
 Mail Station 2500
 2600 Blair Stone Road
 Tallahassee, Florida 32399-2400

SECTION I. BACKGROUND INFORMATION

A.	Permittee Name: Lee County		
B.	Permit Name: Lee County Municipal Separate Storm Sewer System		
C.	Permit Number: FLS000035		
D.	Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 Year 5 <input checked="" type="checkbox"/> Other, specify Year: 7		
E.	Reporting Time Period (month/year): March / 2010 through March / 2011		
F.	Name of the Responsible Authority: Doug Meurer		
	Title: Assistant County Manager Public Works		
	Mailing Address: 1500 Monroe Street		
	City: Ft Myers	Zip Code: 33901	County: Lee
	Telephone Number: 239-533-8899		Fax Number: 239-533-8307
E-mail Address: dmeurer@leegov.com			
G.	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Tony Pellicer		
	Title: Operations Manager		
	Department: Public Works / Natural Resources		
	Mailing Address: 1500 Monroe Street		
	City: Ft Myers	Zip Code: 33901	County: Lee
	Telephone Number: 239-533-8129		Fax Number: 239-485-8408
E-mail Address: pellice@leegov.com			

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 <input checked="" type="checkbox"/> Not Applicable)
B.	Number of outfalls REMOVED from the outfall inventory in the current reporting year (insert "0" if none): 0 (Does this number include non-major outfalls? Yes No <input checked="" type="checkbox"/> Not Applicable)
C.	Is the change in the total number of outfalls due to lands annexed or vacated? Yes No <input checked="" type="checkbox"/> Not Applicable

SECTION III. MONITORING PROGRAM

A.	Provide a brief statement as to the status of monitoring plan implementation: No changes at this time.
B.	Provide a brief discussion of the monitoring results to date. We are using key parameter assessment to generate water quality trends as part of a complete watershed assessment to develop a plan of land use modifications, project selection and placement to target declining water quality trends.
C.	Attach a monitoring data summary, as required by the permit. Please see attached.

SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$ 17,919,304
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$ 25,412,764

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):

<u>Attached</u>	<u>N/A</u>	
	n/a	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.
X		A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C.
	n/a	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.
	n/a	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.
	n/a	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): _____

Title: Public Works Director

Signature: _____ Date: ____ / ____ / ____

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A. Permit Citation/S WMP 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 stormwater facilities operated by the permittee. Provide any updates to the inventory in the subsequent ANNUAL REPORT.				
	Dry retention ponds	0		Lee Co Department of Transportation, Operations, Wsimmons@leegov.com , (LDOT)	LDOT reports none.
	Wet retention ponds	116	SDE_RO.DOT.Ponds	LDOT	
	Channels/canals (miles)	163	SDE_RO.DOT.Drainage Flow_Ways	LDOT	
	Ditches/swales (miles)	9,830	SDE_RO.DOT.Road Centerline	LDOT	(Road length x 2) – Curb Inv (401)
	Inlets/catch basins/grates	11,367	SDE_RO.DOT.Drainage Structure	LDOT	
	Pollution control structures	11	SDE_RO.DOT.Drainage Structure	LDOT	
	Weirs	21	SDE_RO.DOT.Drainage Structure	LDOT	
	Conduct inspections and maintenance of structural controls and roadway stormwater collection structures in accordance with Table II.A.1.a of the permit. Maintain an internal record keeping system to schedule and document inspections and maintenance activities performed on structural controls and roadway stormwater collection structures operated by the permittee. Report on the inspections and maintenance conducted in each ANNUAL REPORT.				
	Dry retention pond inspections	0			No dry retention ponds
	Dry retention pond maintenance	0			
	Wet retention pond inspections	116	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	
	Wet retention pond	116	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	maintenance				
	Channel/canal inspections (miles)	163	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	
	Channel/canal maintenance (miles/ acres)	183/122	Production with earned Hours (PEH) Work order Section 50(405,410,415,420,425)	LDOT	
	Ditch/swale inspections (miles)	9,830	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	
	Ditch/swale maintenance (miles)	1,904	PEH Work order Section 17, 30 (122, 179,183)	LDOT	
	Inlet/catch basin/grate inspections	11,367	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	
	Inlet/catch basin/grate maintenance	1,440	PEH Work order Section 39,41 (340, 345,300,304,306)	LDOT	
	Pollution control structure inspections	11	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	
	Pollution control structure maintenance	11	Division of Mowing Areas Map/SOP 3/10-3/11	LDOT	
	Weir inspections	153	PEH Work order Section 55 (440, 444)	LDOT	
	Weir maintenance	136	PEH Work order Section 55 (444)	LDOT	
	Pipe cleaning/clearing (miles)	13	PEH Work order Section 41 (302)	LDOT	
Part III.A.2	Areas of New Development and Significant Redevelopment				
	During Years 1 and 2, conduct a review of the permittee's current local codes and land development regulations to determine where changes can be made to reduce the stormwater impact of new development. In particular, focus on changes to the code that will promote: reductions in impervious surfaces, the use of swales, the incorporation of low impact development principles, stormwater reuse, and adherence to the principles of the Florida Yards and Neighborhoods program in new landscaping. Provide a summary of recommended changes to the local codes and				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	regulations with a schedule for implementation in the Year 3 ANNUAL REPORT. (Year 3 Only: Attach summary of recommended changes)				
Part III.A.3	Roadways				
	Continue to implement the litter control programs for public highways and streets, including rights-of-way, employed within the permittee’s jurisdictional area and properly dispose of collected material. Report on the litter collection activities, including the frequency of litter collection and an estimate of the quantity of litter collected, in each ANNUAL REPORT. Number of litter collections	249	Adrienne Solomon solomoaw@leegov.com “Bags and Outings.xlsx	LDOT, Volunteers	Adopt-A-Road
	Amount of litter collected -bags tons	1,310 845	Adrienne Solomon solomoaw@leegov.com “Bags and Outings.xlsx AND PEH Work Order Section 14 (112, 114)	LDOT, Volunteers	Bags = Adopt-A-Road Tons = LDOT
	Total miles of right-of-way maintained	2,595	GIS\SDE.DOT.Road Centerline	LDOT	
	Continue to implement standard practices employed 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. Applicable municipal equipment yards and maintenance shops	1	Year 6 Municipal Maintenance Yard Inspection, S:\NPDES\Facility Sites\Lee County Municipal\Equipment-Maintenance Yards	Division of Natural Resources (DNR), Simmons, lsimmons@leegov.com	LDOT Operations
	Frequency or number of inspections	Yearly	Year 5 Municipal Maintenance Yard Inspection	DNR, Simmons	
	Continue to maintain the Lee				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	County Department of Transportation (LDOT) 24-hour Request for Action (RFA) service for public reporting of roadway and drainage problems.				
	Number of Requests for Action (RFAs) reported	576	Intranet2/dotrfa/rfa_results.asp	LDOT Operations	Vactor, ditch & canal RFAs
	Number of RFAs resolved	510	Intranet2/dotrfa/rfa_results.asp	LDOT Operations	
	Continue to actively promote and coordinate, on a regular basis, public participation in the "Keep Lee County Beautiful, Inc." litter control program.				
	Amount of litter collected (tons)	52	Rudy Busch, Klcb32@cs.com Program Director "Year 7 NPDES Report Litter Data" e-mail 6/15/11	Volunteers	
	Total miles cleaned (per year)	93	Rudy Busch, Klcb32@cs.com Program Director "Year 7 NPDES Report Litter Data" e-mail 6/15/11	Volunteers	
Part III.A.4	Flood Control Projects				
	Maintain a list of stormwater capital improvement projects proposed by the Stormwater Management Master Plan. Report on the status of the projects, including a description of the stormwater quality improvement and/or protection measures for each project, in each ANNUAL REPORT. Include only those projects with activity during the reporting year.				
	Capital Improvement Projects (CIPs) proposed	15	S:\NPDES\ANNUAL\Annual2, Year 7,3-10 to 3-11\Yr 7 Data Collected\CIP	DNR, Anura Karuna-Muni – akaruna: muni@leegov.com, Wanda Wooten: wootenws@leegov.com	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	<p style="text-align: center;">CIPs active</p> <p style="text-align: center;">CIPs completed</p> <p>(Attach description of stormwater quality improvements/protection measures for each project)</p>	<p style="text-align: center;">4</p> <p style="text-align: center;">17</p>	<p>S:\NPDES\ANNUAL\Annual2, Year 7,3-10 to 3-11\Yr 7 Data Collected\CIP</p> <p>S:\NPDES\ANNUAL\Annual2, Year 7,3-10 to 3-11\Yr 7 Data Collected\CIP</p>	<p>Individual contractors hired by DNR</p> <p>Individual contractors hired by DNR</p>	
Part III.A.5	Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit				
	<p>Continue the program to identify priorities and procedures for inspections, and implementation of measures to control discharges from municipal waste treatment, waste storage, and waste disposal facilities, including transfer stations and waste fleet maintenance facilities that are not otherwise covered by an NPDES stormwater permit. The program shall identify priority facilities and shall determine the necessary control measures and procedures to be employed at each facility. Report on the status and findings of the program, including the number and frequency of the inspections conducted, and the identification of the applicable facilities, in each ANNUAL REPORT</p>				
	Applicable municipal facilities	7			Ditch sediment storage areas
	Number of inspections	7			
	Frequency of inspections	Yearly			
Part III.A.6	Pesticides, Herbicides, and Fertilizer Application				
	Continue to require documentation of proper certification and licensing for all applicators contracted to apply pesticides or herbicides on permittee-owned property, as well as any permittee personnel				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	<p>employed in the application of these products, in accordance with Florida Department of Agriculture regulations.</p> <p>Certified/licensed applicators (personnel)</p> <p>Certified/licensed applicators (contractors)</p>	<p>13</p> <p>10</p>	<p>Adrienne Solomon solomoaw@leegov.com Mar 2010 to Mar 2011 Report.pdf</p> <p>Diana Khan, Lee County Purchasing 344-5450 'NPDES Report pest Applicator.xls' 5/31/11</p>	<p>LDOT</p> <p>Amer-Tech Inc., P&T Lawn & Tractor, Landscape Dimensions, Tropic Lawns, Greenwerx, Excavation Etc., Superior Landscaping, Vila & Son, Allstate Property Services, Big Tree</p>	<p>Licenses were verified at www.flaes.org (FL Dept of Agriculture and Consumer Services website)</p>
	<p>Continue to implement a public education program (using such means as the Internet, literature, lectures, special events, notices on Government Access television, radio announcements, utility bill inserts, bulletin board ads, etc) to encourage citizens to reduce their use of pesticides, herbicides, and fertilizers. Continue the distribution of public education materials describing the need to minimize the application of fertilizers, pesticides and herbicides, and promote actions such as incorporating native vegetation and xeriscape concepts into new landscaping projects. Report on the public education activities that occurred within the permittee's jurisdiction, such as the number of brochures/bill inserts distributed, the number of newspaper articles published, and the number of public presentations conducted, in each ANNUAL REPORT.</p>				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	Brochures/Flyers/Fact sheets distributed	23,619	Tom Becker tbecker@leegov.com email "RE FYN Stats" 6/26/11 ; Karen Bickford e-mail 7/15/11 NPDES Permit Data	Florida Yards and Neighbors (FY&N), Lee County DNR	Includes Lee County Fertilizer Ordinance brochures
	Public displays	44	Tom Becker tbecker@leegov.com email "RE: NPDES Annual Report March '09 – March '10/Part III.A.6" 6/10/10	FY&N	
	Special events	4,817	Tom Becker tbecker@leegov.com email "RE: NPDES Annual Report March '09 – March '10/Part III.A.6" 6/10/10 "Group Events"	FY&N	
	Website hits	40,795	Tom Becker tbecker@leegov.com email "RE: NPDES Annual Report March '09 – March '10/Part III.A.6" 6/10/10	FY&N	
	Continue to conduct annual seminars, training sessions, and/or on-the-job supervision for municipal applicators to emphasize the stormwater implications of pesticides and herbicide application. Report on the training activities, including the number of training sessions conducted and the number of municipal applicators trained, in each ANNUAL REPORT. Training sessions conducted	6	Adrienne Solomon solomoaw@leegov.com Mar 2010 to Mar 2011 Report.pdf	LDOT	
	Municipal applicators trained	4	Adrienne Solomon solomoaw@leegov.com Mar 2010 to Mar 2011 Report.pdf	LDOT	
Part III.A.7.a	Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures				
	No Reportable Items				
Part III.A.7.c	Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal				
	Continue to implement the standard investigative procedures (including pro-active inspections) to identify and terminate the source(s) of illicit connections or discharges to the MS4. Based upon reports received from personnel or				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	<p>citizens, investigate suspected illicit discharges. Maintain an internal log documenting the reports of suspected illicit discharges, investigations performed, and enforcement actions taken. Report on the program, including the number and the results of the investigations and enforcement actions conducted, in each ANNUAL REPORT.</p> <p>Pro-active inspections of suspected illicit connections/discharges/dumping</p> <p>Investigations of reports of suspected illicit connections/discharges/dumping</p> <p>Illicit connections/discharges/dumping found</p> <p>Citations (warnings) issued</p> <p>Tickets (fines) issued</p>	<p></p> <p>93</p> <p>23</p> <p>24</p> <p>7</p> <p>0</p>	<p></p> <p>S:\NPDES\Facility Sites\Fac_Insp.MDB</p> <p>Intranet2/dotrfa/rfa_results.asp</p> <p>Intranet2/dotrfa/rfa_results.asp</p> <p>Inspmap93editing Arcmap</p>	<p></p> <p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p>	<p></p> <p>(6) warning citations</p> <p>9 from Pro-active Insp</p>
	<p>Continue to implement a periodic training course to educate appropriate permittee personnel to identify and report conditions in the stormwater facilities that may indicate the presence of illicit discharges to the MS4. Report on the training activities, including the number of training courses conducted and the number of personnel trained, in each ANNUAL REPORT.</p> <p>Training sessions conducted</p>	<p>4</p>	<p>Illicit Discharge Identification Class Sign-In Sheets</p>	<p>DNR, Pellicer, Simmons</p>	<p></p>

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	Personnel trained	4	Illicit Discharge Identification Class Sign-In Sheets	DNR, Pellicer, Simmons	
Part III.A.7.d	Illicit Discharges and Improper Disposal — Spill Prevention and Response				
	Continue to implement the spill-prevention/spill-response plan and procedures to prevent, contain, and respond to spills that may discharge into the MS4. Ensure that spills, regardless of whether they are hazardous, are properly addressed. Report on the spill prevention and response activities, including the number of spills addressed, in each ANNUAL REPORT.				
	Hazardous and non-hazardous material spills responded to	164	State Fire Departments, Lee County Emergency Management, S:\NPDES\ANNUAL\Annual2, Year 7,3-10 to 3- 11\Yr 7 Data Collected\Rene's Annual report data\Fire Dept Spills Yr 7	Individual Local Fire Departments	
	Citations (warnings) issued	0			
	Tickets (fines) issued	0			
	Enforcement referrals to DEP/agency	17	State Fire Departments, Lee County Emergency Management, S:\NPDES\ANNUAL\Annual2, Year 7,3-10 to 3- 11\Yr 7 Data Collected\Rene's Annual report data\Fire Dept Spills Yr 7	Individual Local Fire Departments	
	Provide periodic training courses on proper spill prevention, containment, and response techniques and procedures for appropriate permittee personnel. Report on the training activities completed, including the number of training courses provided and the number of personnel trained, in each ANNUAL REPORT.				
	Training courses provided	2	Sign-in Sheets, All-Pro Occupational Trainers, 813-662-0986, allprojmb@msn.com	Dan Buechner, All-Pro Occupational Trainers	40-hour class and 8-hour refresher
	Personnel trained	39	Sign-in Sheets, All-Pro Occupational Trainers, 813-662-0986, allprojmb@msn.com	Dan Buechner, All-Pro Occupational	

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
				Trainers	
Part III.A.7.e	Illicit Discharges and Improper Disposal — Public Reporting				
	Continue to maintain a complaint log documenting all reports of illicit discharges and improper disposal and the actions taken to investigate and resolve the problem in the permittee's jurisdictional area. Report the number and type of complaints received and the results of the investigations (i.e., whether an illicit discharge was found and subsequently eliminated) in each ANNUAL REPORT.				
	Citizen reports of suspected illicit connections/discharges/dumping received	23	Intranet2/dotrfa/rfa_results.asp	DNR, Simmons, Joselin	
	Illicit connections/discharges/dumping found	15	Intranet2/dotrfa/rfa_results.asp	DNR, Simmons, Joselin	
	Illicit connections/discharges/dumping eliminated	15	Intranet2/dotrfa/rfa_results.asp	DNR, Simmons, Joselin	
	Continue to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4. Continue to maintain a dedicated phone line for reporting of suspected illicit discharges and improper disposal. The permittee shall publicize the existence of this number on a routine basis and shall include information on the problems associated with illicit discharges				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	<p>and improper disposal, how to identify them, and how to report incidents found. Report on the public outreach activities conducted in each ANNUAL REPORT.</p> <p>Brochures/Flyers/Fact sheets/ rain gauges distributed</p> <p>Public displays</p> <p>Seminars/Workshops</p> <p>Special events</p> <p>Website hits</p>	<p>285</p> <p>10</p> <p>22</p> <p>28</p> <p>1,702</p>	<p>NPDES Calendar Notes</p> <p>NPDES Calendar Notes</p> <p>S:\NPDES\ANNUAL\Annual2, Year \AR Documents\Special Events\School P2 Presentations.xls</p> <p>Earth Week Presentations.xls, Presentation Flyers</p> <p>Website Counter www.lee-county.com/NPDES</p>	<p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p> <p>DNR, P2, Becky Alexander, Ralexander@leegov.com</p> <p>DNR, P2, Becky Alexander; Leigh Simmons</p> <p>DNR</p>	<p>Echo event, markers to P2, Lee Co Fair</p> <p>10 days Lee County Fair</p> <p>Elementary School Presentations</p> <p>Earth Week Presentations, Clean Energy & Sustainable Technology Expo, Bonita Springs Environmental Workshop</p>
Part III.A.7.f	Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control				
	<p>Continue implementation of the outreach program to instruct the public on responsible environmental management and the proper disposal of used motor oil, leftover hazardous household products, and lead acid batteries. The outreach program could include an activity such as the stenciling/marketing of municipally-owned storm sewer inlets, and providing information through the Internet, utility bill inserts, brochures, flyers, PSAs, presentations, etc. Continue to support and publicize Household Hazardous Waste Collection Days and Conditionally Exempt Business Collection Days to facilitate proper disposal of oil, toxics, and household hazardous materials. Lee County shall provide the other permittees with</p>				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	<p>adequate advance notification of these planned events. Report on the public outreach activities conducted in each ANNUAL REPORT</p> <p>Brochures/Flyers/Fact sheets distributed</p> <p>Direct mailings</p> <p>Newspaper and newsletter articles/notices</p> <p>Newsletters distributed</p> <p>Number of Household Hazardous Waste Collection Day events</p> <p>Public displays</p> <p>Radio or television Public Service Announcements (PSAs)</p> <p>Special events</p> <p>Storm sewer inlets marked</p>	<p></p> <p>6,881</p> <p>524,062</p> <p>90</p> <p>0</p> <p>260</p> <p>10</p> <p>0</p> <p>0</p> <p>20</p>	<p></p> <p>Solid Waste Billing invoices (Fiscal, Rosi 533-8541); Bridgette Kantor, 533-8000,</p> <p>LC Fiscal, Rosi 533-8541</p> <p>News-Press, Florida Weekly, Southwest Florida Business and Breeze Newspapers Invoices (Fiscal, Rosi 533-8541)</p> <p></p> <p>Brigitte Kantor kantorbx@leegov.com</p> <p>P2 Jayne Coles jcoles@leegov.com</p> <p></p> <p></p> <p>s:\NPDES\ANNUAL\Annual2, Year 6, 3-09 to 3-10\AR Documents\GIS exports 2009-2010\Markedinlets.xls</p>	<p></p> <p>P2 , LC Solid Waste</p> <p>LC Solid Waste</p> <p>LC Solid Waste</p> <p></p> <p>Lee County Solid Waste</p> <p>Lee County Pollution Prevention, Jayne Coles, jcoles@leegov.com</p> <p>Lee County Solid Waste</p> <p></p> <p>DNR, Aliucci</p>	<p></p> <p></p> <p>Reduce, Reuse, Recycle Calendar</p> <p>Number notices, not circulation</p> <p>Discontinued newsletter due to budget constraints</p> <p>Days open in permanent facility. Mon – Fri and every first Sat. of the month</p> <p>Lee County Fair 2/25/11 to 3/6/11</p> <p>No radio or television announcements were reported</p> <p></p>
Part III.A.7.g	Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage				
	<p>Continue to implement procedures to reduce or eliminate discharges to the MS4 from sanitary sewer seepage and sanitary sewer overflows (SSOs). Report on the activities to reduce or eliminate seepage and SSOs, such as number of incidents discovered and resolved, in each ANNUAL REPORT.</p> <p>Sanitary sewer seepage</p>	<p></p> <p>0</p>			

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	incidents discovered				
	Sanitary sewer seepage incidents resolved	0			
	Sanitary sewer overflows (SSOs) discovered	15	North Fort Myers Utilities, Abnormal Event Reports, Lina Quintero, lquintero@uswatercorp.com ; Lee County Utilities Abnormal Event Report, Michael Currier, mcurrier@leegov.com	North Ft Myers Utilities (FGUA), LC Utilities	
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 waterbody into which each high-risk facility discharges.				
	Total high risk facilities	9	S:\NPDES\Facility Sites	DNR, Simmons	
	New high risk facilities	1	S:\NPDES\Facility Sites	DNR, Simmons	Modern Leased Lots
	Continue the inspection program procedures for high-risk facilities, according to the priority and established inspection schedules, to determine compliance with all appropriate aspects of the stormwater program (e.g., no illicit connections and compliance with local stormwater regulation requirements). Maintain a log documenting the inspections performed and enforcement actions taken. Report on the inspection program, including the number and results of inspections conducted and enforcement actions taken, in each ANNUAL REPORT.				
	High risk facility inspections	9	S:\NPDES\Facility Sites	DNR, Simmons	
	Citations (warnings) issued	0			
	Tickets (fines) issued	0			

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
Part III.A.8.b	Industrial and High-Risk Runoff — Monitoring for High Risk Industries				
	Monitoring 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. New high risk facilities evaluated High risk facilities monitored				
		1	S:\NPDES\Facility Sites	DNR, Simmons	
		1	S:\NPDES\Facility Sites\Lee County Municipal\Lee Hendry Landfill	DNR	Lee/Hendry landfill
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 that require construction site planning approval and structural and non-structural erosion and sediment controls during construction to reduce the discharge of pollutants to the MS4. Construction site plan reviews (private and municipal sites)				
		39	Lee County Development Review Services Report, Development Review Applications Received	DNR, Simmons, Joselin	
Part III.A.9.b	Construction Site Runoff — Inspection and Enforcement				
	Continue to implement the inspection program for construction projects to ensure compliance with local stormwater requirements and the permittee's development requirements concerning erosion and sediment control. Maintain				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	<p>enforcement of inspection program by issuing a violation notice and/or a stop work order to those construction site operators that repeatedly do not maintain compliance with the approved erosion and sediment control BMPs and permit conditions. Maintain an internal log documenting the inspections performed and any enforcement actions taken. Report on the inspection program, including the number of construction inspections conducted and the number and type of enforcement actions taken, in each ANNUAL REPORT.</p> <p>Construction site inspections (private and municipal sites) Citations (warnings) issued</p> <p>Stop Work Orders issued</p> <p>Tickets (fines) issued</p>	<p>1677</p> <p>11</p> <p>0</p> <p>12</p>	<p>Access Query "All Const Inspections Year 7"</p> <p>Access Query "All Const Inspections Year 7"</p> <p>Access Query "All Const Inspections Year 7"</p> <p>Access Query "All Const Inspections Year 7"</p>	<p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p> <p>DNR, Simmons, Joselin</p>	<p></p> <p></p> <p>No Stop Work Issued</p> <p></p>
	<p>Develop and implement a formalized construction inspection checklist covering current stormwater management and water quality inspection items in order to standardize the inspection process. Provide a copy of the developed checklist in the Year 1 ANNUAL REPORT.</p> <p>(Year 1 Only: Attach inspection checklist)</p>		<p>DNR, Simmons, Joselin</p>		
<p>Part III.A.9.c</p>	<p>Construction Site Runoff — Site Operator Training</p>				
	<p>Continue the stormwater training/outreach program for construction site operators and inspectors. Provide periodic training courses for public and</p>				

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

A.	B.	C.	D.	E.	F.
Permit Citation/S WMP Element	Permit Requirement/Quantifiable SWMP Activity	Number of Activities Performed	Documentation/ Record	Entity Performing the Activity	Comments
	private persons involved in the construction or inspection of stormwater management, erosion and sediment controls. Report on the training activities, including the number of training courses provided and the number of personnel trained, in each ANNUAL REPORT.				
	Training courses provided	4	FDEP Class Flyers & Sign-in Sheets, Applied Polymer Class Sign-in Sheet	DNR, Pellicer, Simmons	
	Private participants trained	82	FDEP Class Flyers & Sign-in Sheets, Applied Polymer Class Sign-in Sheet	DNR, Pellicer, Simmons	
	Municipal construction inspectors/ site operator trained	4	FDEP Class Flyers & Sign-in Sheets, Applied Polymer Class Sign-in Sheet	DNR, Pellicer, Simmons	
	Municipal construction site plan reviewers trained	1	NPDES calendar	DNR, Pellicer, Simmons	Rene Joselin
	Continue to implement the procedures to notify building permit applicants of their potential application responsibilities under the Department's NPDES generic permit for stormwater discharge from construction activities (Rule 62-621.300(4), F.A.C.).				
	Number of development orders applicants notified	39	Lee County Development Review Services Report, Development Review Applications Received	Lee County Development Services	
	Provide a description of the notification procedures for building permit applicants required above, and include any supporting materials, in the Year 1 ANNUAL REPORT. (Year 1 Only: Attach description of procedures and supporting material)				

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

SECTION VIII. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)

A.	Permit Citation/ SWMP Element	Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY.
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)

ATTACHMENTS

TABLE OF CONTENTS

Water Quality and Monitoring Data Assessment/Summary 2 of 6

Capital Improvement Project Status..... 4 of 6

NPDES Annual Report Water Quality Assessment of Lee County Watersheds March 2010 thru February 2011

In order to provide a water quality assessment for Lee County, the period of the current NPDES permit was chosen as the period of evaluation. The evaluation was done by comparing the variation in quality of three analytes (Total Nitrogen, BOD and Total Suspended Solids) for the period between January 2002 and February 2011.

The county was divided into 5 major watersheds or sub watersheds in order to normalize the concentrations over similar geographic areas. The Caloosahatchee River and Estero Bay were selected because their drainages comprise the majority of unincorporated Lee County. The Caloosahatchee River is physically divided into fresh and tidal segments by the W. P. Franklin Locks near Olga. The northern and southern tributaries of these two segments represent defined “watersheds” associated with the Caloosahatchee River in Lee County. The area drained by tributaries to Estero Bay is the fifth “watershed” considered for this assessment.

The monthly value for each watershed was determined by averaging the most downstream freshwater sample stations tested by the Lee County Ambient Monitoring program (as part of the NPDES Monitoring program) for each of the 5 “watersheds” outlined in the previous paragraph. The data used for the assessment was taken from a database download obtained from the Lee County Lab Data web site. The data is in a MS Access format and available to anyone having an internet connection and a commonly available computer and software. The period of record is typically from 1992 to present for most sites, however initial testing dates vary and the entire period between 1992 and 2011 may not be available for some sites. The period between January 2002 and February 2011 was selected to be queried from the database.

The parameters chosen provide key assessments of factors influencing water quality. Total Nitrogen (TN) has a potential impact on dissolved oxygen as well as flora and fauna and is particularly influential in estuarine waters. BOD is similarly influential having negative impacts on dissolved oxygen. Finally, TSS is an indicator of changes in the watershed. These changes can be due to anthropogenic activities or possibly due to erosion caused by accelerated runoff caused by seasonally heavy rain. In all cases, the results are reflective of events within the watersheds and subsequently on the receiving waters. As the watersheds contain urban as well as rural land uses, the data should be more influenced by anthropogenic activity in the more urban watersheds and to a lesser degree in the more rural and undisturbed lands.

Chart 1 showing the relative trends and changes in water quality by parameter and by watershed is presented below. All 5 of the selected watersheds show an increase in TN. This is regardless of their being in a developing basin or one of a more rural nature with little if any developmental activity. BOD and TSS are not uniformly increasing or decreasing but may be grouped into

three quality groupings: Estero (increase or do not change), North of the Caloosahatchee River (both TSS and BOD decrease over the period of evaluation) and South of the Caloosahatchee River (TSS and BOD have moderate to high increases during the period of evaluation).

By reviewing the BOD and TSS, one may see a trend for the Estero Bay watershed where there has been substantial development during the period of evaluation. Thus, the associated impact of new development (presumed compliant) on BOD and TSS is evidenced by an increase during the period. This has a negative potential impact on dissolved oxygen to Estero Bay.

The northern watersheds of the Caloosahatchee (fresh and tidal) display associated trend commonality. This is manifested in that the northern watersheds show decreasing trends in the TSS and BOD concentrations. However, southern watersheds of the Caloosahatchee (fresh and tidal) display increasing trends for the same parameters. The major distinctions between the northern and southern watersheds are land uses and amount of intense development.

From the analysis above, it is evident the northern watersheds of the Caloosahatchee River may have more opportunity for policy implementation in the undeveloped land uses. While this limited assessment indicates their degradation may be limited to that of nitrogen impacts with the BOD and erosion components in decline. On the other hand, the southern watersheds of the Caloosahatchee River lend themselves more to projects and retrofits as the opportunity for policy related improvements is not as significant as undeveloped lands are more limited. It is the type of key parameter assessment which is a valuable component in a complete watershed assessment used to develop a plan of land use modifications, project selection and placement to target declining water quality trends.

Chart 1 Demonstrates a summary of the trends and changes over time of the 5 Lee County Watersheds.

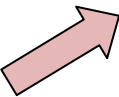
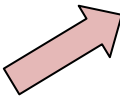
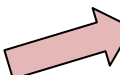
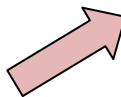
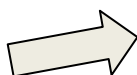
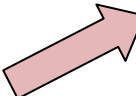

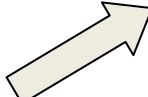
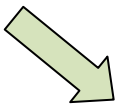
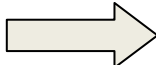
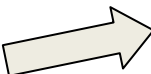


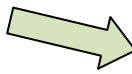
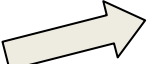
Relative Water Quality Trends January 2002 through February 2011					
Pollutant	Freshwater Caloosahatchee		Tidal Caloosahatchee		Estero Bay Watershed
	South Watershed	North Watershed	South Watershed	North Watershed	
TN	 0.45 to 0.75	 0.85 to 1.21	 0.80 to 0.95	 0.80 to 1.25	 .95 to 1.08
TSS	 2.5 to 4.0	 9.0 to 2.0	 4.0 to 6.5	 8.0 to 6.5	 6.5 to 6.5
BOD	 1.05 to 1.15	 1.55 to 1.00	 1.55 to 1.65	 1.8 to 1.55	 1.95 to 2.2

Chart 1 above conveys the relative changes over time. The changes are broken into three types: Increasing by a large degree (red arrow), Increasing slightly (neutral beige) and decreasing (green arrow). Values shown are approximate starting concentrations for the period of evaluation.

Lee County
Capital Improvement Project

Capital Improvement Projects: Permit 2 Year 7

March 2010 - March 2011 Project Name	Status	Improvement/Protection
Ten Mile Canal Filter Marsh - 2nd phase	proposed	WQ
Eagle Ridge/Legend Interconnect	proposed	WQ, FP
Yellow Fever Creek/Gator Slough Transfer Facility (WMD funds may be available)	proposed	WQ, FP
Lakes Park Water Quality Restoration	proposed	WQ
Lakes Park Water Quality Project	proposed	WQ
Briarcliff/Fiddlestck water quality improvement	active	WQ
Spanish Creek restoration	proposed	WQ, CS
Fichter Creek restoration	proposed	WQ, FP
Halfway Creek filter marsh and weir at US 41	active	WQ
Powel creek hydrological restoration (preserve 20/20)	proposed	WQ
Poling Lane drainage	proposed	FP
Sunniland/9 mile run drainage	proposed	FP, WQ, CS
Powell Creek Hydrologic restoration (sedimentation in the natural creek)	proposed	WQ, CS
Matlacha Pass Hydrologic Restoration	active	WQ
Kehl canal weir modification.	proposed	FP
Popash creek preserve - hyd restoration and enhancement of 20/20 land	completed	WQ, FP
Water quality improvement request by Conservancy	proposed	WQ
North Lee county surface water management study	completed	FM
Culvert Replacement	active	FP
Powell Creek Weir/Valencia	proposed	FP
Prairie Pine Restoration	proposed	WQ, OM
Torrey Ct – Ditch cleaning project	completed	FP
Southdale Rd. – Ditch cleaning project	completed	FP
Cross Way Church/Broadway Mobile Home Village – Ditch cleaning project	completed	FP
Saddlewood Farms Drainage Improvement – Ditch cleaning/culvert replacement	completed	FP
Colonial Ranchettes- Ditch cleaning/grading	completed	FP
Daughtrey/Palm Cr – Minor maintenance	completed	WQ, CS
Marsh Pt – Invasive vegetation removal/replanting	completed	WQ, CS
Ten Mile Canal @ Hanson – Follow up maintenance	completed	OM
Nine Mile Run @Buckingham Trails Preserve – Removal of invasive vegetation/debris from one mile of canal	completed	WQ, CS

CIP Projects Continued

Mud Creek – Flow way restoration/grading/invasive vegetation removal/culvert replacement	completed	CS, FP
N. Ft. Myers Creek Maintenance – Removal of invasive vegetation/debris from segments of Daughtrey's Creek/Popash Creek	completed	CS, FP
Minor Drainage Improvements- Tree removal from canal;removal of invasive vegetation/debris from E. Daughtrey's Cr & removal of abandoned BMP from Hendry Creek; S. Ft. Myers Maintenance Projects – Tree removal from Halfway Cr; Invasive vegetation debris removal from W. Broadway Ditch; Maintenance at Halfway Creek Filter Marsh	completed	CS,FP
Imperial River Boat Ramp- Invasive vegetation/debris removal from flow way & freshwater marsh system	completed	FP
Powell Creek – Removal/herbicidal treatment of emergent vegetation	completed	OM
Removal of invasive vegetation/debris from creek	completed	WQ, CS

Projects

Proposed	15
Active	4
Completed	17

Key:

- WQ:** Water Quality Improvements, retention, bioenhancements, habitat restoration
- FP:** Flood prevention, flowway restoration, hydrolic improvements, culvert replacement
- OM:** On-going maintenance, removing sediments and excess plant materials
- CS:** Cleaning and Snagging, removing excess sediments and trash, exotic plants
- FM:** Funding mechanism, planning tools, site monitoring