



# 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/](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

<b>A.</b>	Permittee Name: City of Davenport, FL		
<b>B.</b>	Permit Name: Polk County Municipal Separate Storm Sewer System		
<b>C.</b>	Permit Number: FLS000015-003 (Cycle 3)		
<b>D.</b>	Annual Report Year: <input type="checkbox"/> Year 1 <input checked="" type="checkbox"/> Year 2 <input type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year:		
<b>E.</b>	Reporting Time Period (month/year): October 1, 2012 through September 30, 2013		
<b>F.</b>	Name of the Responsible Authority: Hank Harrison		
	Title: Public Works Director		
	Mailing Address: 1 South Allapaha Ave.		
	City: Davenport	Zip Code: 33836	County: Polk
	Telephone Number: (863) 419-3300		Fax Number: (863) 419-3302
	E-mail Address: hharrison@mydavenport.org		
<b>G.</b>	Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): <b>Same</b>		
	Title:		
	Department:		
	Mailing Address:		
	City:	Zip Code:	County:
	Telephone Number:		Fax Number:
E-mail Address:			

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

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

### SECTION III. MONITORING PROGRAM

d	Provide a brief statement as to the status of monitoring plan implementation: <i>DEP Note: If monitoring is done for the co-permittee by Polk County you may refer to the Polk County AR here as follows: "The monitoring plan is carried out through an inter-local agreement with Polk County. Please see the Polk County Annual Report for the monitoring information."</i> Status of Davenport's monitoring plan is sufficient with all requirements as specified in Polk County's report; our monitoring results have been sufficient and fulfill requirements as listed in Part V. In previous permit years, Polk County DNR monitored our city's four CDS units, but with the issuance of the new Interlocal agreement, the city now monitors these independently. Results are logged with the city's other SWMP records.
B.	Provide a brief discussion of the monitoring results to date: To date, the operation of our units has been satisfactory, capturing approximately 20-30% overall pollutant load count from point sources (this amount is still figured as part of the street sweeping pollutant load amounts collected). Two units were cleaned and emptied of debris during this reporting year. <i>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.</i>
C.	Attach a monitoring data summary, as required by the permit. Please refer to the Polk County Annual Report for this information.

### SECTION IV. FISCAL ANALYSIS

A.	Total expenditures for the NPDES stormwater management program for the current reporting year: \$23,421.00 <i>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.</i>
B.	Total budget for the NPDES stormwater management program for the subsequent reporting year: \$119,179.00

### 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	<b>***DEP Note: Please complete Checklists A &amp; B at the end of the tailored form.***</b>
<input type="checkbox"/>	X	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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	X	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.
<input type="checkbox"/>	X	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.
<input type="checkbox"/>	X	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): Hank Harrison

Title: Public Works Director

Signature: Hank Harrison

Date: 03 / 14 / 14

**SECTION III. MONITORING PROGRAM**

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C.	Attach a monitoring data summary, as required by the permit. Please refer to the Polk County Annual Report for this information.

**SECTION IV. FISCAL ANALYSIS**

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Attached	N/A	<b>***DEP Note: Please complete Checklists A &amp; B at the end of the tailored form.***</b>
<input type="checkbox"/>	X	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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	X	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.
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**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): Hank Harrison

Title: Public Works Director

Signature: Hank Harrison  Date: 03 / 14 / 14

**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
<b>Part III.A.1</b>	<b>Structural Controls and Stormwater Collection Systems Operation</b>								
<p>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. <b>Report the current known inventory.</b></p> <p><i>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.</i></p> <p>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). <b>Provide the outfall inventory and map with the Year 1 Annual Report.</b></p> <p><b>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.</b> If the minimum inspection frequencies set forth in Table II.A.1.a were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.</p> <p><i>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.</i></p>									
<b>Type of Structure</b>		<b>Number of Activities Performed</b>				<b>Documentation / Record</b>	<b>Entity Performing the Activity</b>	<b>Comments</b>	
		<b>Total Number of Structures</b>	<b>Number of Inspections</b>	<b>Percentage Inspected</b>	<b>Number of Maintenance Activities</b>	<b>Percentage Maintained</b>			
<b>Dry retention systems</b>		2	16	100	8	50	Structural Control Inspection Logbook	Public Works Department Personnel	None
<b>Exfiltration trench / French drains (linear feet)</b>		0	0	0	0	0	N/A	N/A	None
<b>Grass treatment swales (miles)</b>		0.7 mi	21	100	19	100	Structural Control Inspection Logbook	PW Personnel	None
<b>Dry detention systems</b>		2	12	100	4	52	Same	Same	Same
<b>Wet detention systems</b>		1	12	100	5	42	Same	Same	Same
<b>Alum injection systems</b>		0	0	0	0	0	N/A	N/A	N/A

**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
	Pollution control boxes	4	12	100	3	75	Structural Control Inspection Logbook	PW Personnel	None
	Stormwater pump stations	0	0	0	0	0	N/A	N/A	None
	Major stormwater outfalls	3	12	100	1	33	Structural Control Insp. Logbook	PW Personnel	None
	Weirs or other control structures	1	2	100	0	0	Same	Same	None
	MS4 pipes / culverts (miles)	24.0	4	10	2	.003	Same	Same	None
	Inlets / catch basins / grates	122	15	20	7	.006	Same	Same	None
	Ditches / conveyance swales (miles)	1.4 mi	12	100	24	100	Same	Same	% includes both grass and concrete-lined swales
	<b>ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were not met</b>						N/A		
	<b>Year 1 ONLY: Attach a map of all known major outfalls</b>						N/A		
<b>Part III.A.2</b>	<b>Areas of New Development and Significant Redevelopment</b>								
	Report the number of significant redevelopment projects reviewed by the permittee for post-development stormwater considerations.								
	<i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i>								
	<b>Number of significant redevelopment projects reviewed</b>				0		Building Permits Pending File	Development Services Staff	None
	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.								
	<i>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.</i>								
	<b>Year 2 ONLY: Attach the summary report of the review activity</b>						Current Building Code Activity	Development Services Director	None
	<b>Year 4 ONLY: Attach the follow-up report on plan implementation</b>						N/A	N/A	None
<b>Part III.A.3</b>	<b>Roadways</b>								
	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.								
	<i>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.</i>								

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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
	<b>PERMITTEE Litter Control Program: Frequency of litter collection</b>	As needed	Roadway Maintenance Log	Public Works Personnel	None
	<b>PERMITTEE Litter Control Program: Estimated amount of area maintained (miles)</b>	41.7	Same	Same	41.7 miles encompasses all city streets/ROWs
	<b>PERMITTEE Litter Control Program: Estimated amount of litter collected (30 gallon bags)</b>	267	Same	Same	Routine litter collection activities
	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.				
	<i>DEP Note: 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.</i>				
	<b>Trash Pick-up Events: Total miles cleaned</b>	1	Roadway Maintenance Log	Citizen Group Volunteers 10/25/14	None
	<b>Trash Pick-up Events: Estimated amount of litter collected (30 gallon bags)</b>	45	Same	Same	None
	<b>Adopt-A-Road Program: Total miles cleaned</b>	0	Same	Same	Adopt-A-Road not implemented/info rmal volunteer efforts only
	<b>Adopt-A-Road Program: Estimated amount of litter collected (cubic yards)</b>	0	Same	Same	None
	Report on the street sweeping program, including the frequency of the sweeping, total miles swept, an estimate of the quantity of sweepings collected, and the total nitrogen (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.				
	<i>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.</i>				
	<i>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.</i>				
	<b>Frequency of street sweeping</b>	Bi-Monthly	Street Sweeping Logbook	USA Street Sweeping, Inc.	None
	<b>Total miles swept (per year)</b>	247.56	Same	Same	None
	<b>Estimated quantity of sweeping material collected (cubic yards)</b>	144	Same	Same	None
	<b>Total nitrogen loadings removed (pounds)</b>	49.5 lbs	Same	Same	None
	<b>Total phosphorus loadings removed (pounds)</b>	29.1 lbs.	Same	Same	None

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	<p><b>Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned</b></p> <p>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. <b>Report the number of applicable facilities and the number of inspections conducted for each facility.</b></p> <p><i>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.</i></p>	<p><b>Number of Inspections</b></p>	<p>Facility Inspection Logbook</p>	<p>Polk County Personnel</p>	<p>None</p>
<p><b>Part III.A.4</b></p>	<p><b>Flood Control Projects</b></p>				
	<p><b>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.</b> 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.</p> <p><i>DEP Note: A "stormwater retrofit project" is one implemented primarily to provide stormwater treatment for areas currently without treatment.</i></p> <p><i>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.</i></p> <p><i>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.</i></p>				
	<p><b>Flood control projects completed during the reporting period</b></p> <p><b>Flood control projects completed during the reporting period that did <u>not</u> include stormwater treatment</b></p> <p><b>ATTACH a list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it was not</b></p> <p><b>Stormwater retrofit projects planned</b></p>	<p>0</p> <p>0</p> <p></p> <p>1</p>	<p>Drainage Projects Log</p> <p>Same</p> <p>N/A</p> <p>Same</p>	<p>N/A</p> <p>N/A</p> <p></p> <p>N/A</p>	<p>No projects were completed during the reporting period</p> <p>None</p> <p></p> <p>Retrofit project planned for</p>



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	<p>Stormwater retrofit projects under construction during the reporting period</p> <p>Stormwater retrofit projects completed during reporting period</p>	<p>0</p> <p>0</p>	<p>Same</p> <p>Same</p>	<p>Same</p> <p>Same</p>	<p>Basins 2,3,4 and 5; currently seeking funding. Considering customer storm water fee rate increase as possible funding source.</p> <p>None</p> <p>None</p>																									
<b>Part III.A.5</b>	<b>Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit</b>																													
	<p>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:</p> <ul style="list-style-type: none"> <li>• Operating municipal landfills;</li> <li>• Municipal waste transfer stations;</li> <li>• Municipal waste fleet maintenance facilities; and</li> <li>• Any other municipal waste treatment, waste storage, and waste disposal facilities.</li> </ul> <p>Report the number of applicable facilities and the number of the inspections conducted for each facility.</p> <p><b>DEP Note:</b> 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. <b>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.</b> 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.</p> <table border="1" data-bbox="216 1166 2013 1365"> <thead> <tr> <th data-bbox="216 1166 1096 1224"></th> <th data-bbox="1096 1166 1327 1224">Number of Inspections</th> <th data-bbox="1327 1166 1575 1224"></th> <th data-bbox="1575 1166 1801 1224"></th> <th data-bbox="1801 1166 2013 1224"></th> </tr> </thead> <tbody> <tr> <td data-bbox="216 1224 1096 1279">Name of facility #1: Davenport “Lower Well” Storage Area (transfer station)</td> <td data-bbox="1096 1224 1327 1279">10</td> <td data-bbox="1327 1224 1575 1279">Lower Well Inspection Log II</td> <td data-bbox="1575 1224 1801 1279">Public Works Personnel</td> <td data-bbox="1801 1224 2013 1279">None</td> </tr> <tr> <td data-bbox="216 1279 1096 1305">Name of facility #2:</td> <td data-bbox="1096 1279 1327 1305"></td> <td data-bbox="1327 1279 1575 1305"></td> <td data-bbox="1575 1279 1801 1305"></td> <td data-bbox="1801 1279 2013 1305"></td> </tr> <tr> <td data-bbox="216 1305 1096 1331">Name of facility #3:</td> <td data-bbox="1096 1305 1327 1331"></td> <td data-bbox="1327 1305 1575 1331"></td> <td data-bbox="1575 1305 1801 1331"></td> <td data-bbox="1801 1305 2013 1331"></td> </tr> <tr> <td data-bbox="216 1331 1096 1365">Name of facility #4:</td> <td data-bbox="1096 1331 1327 1365"></td> <td data-bbox="1327 1331 1575 1365"></td> <td data-bbox="1575 1331 1801 1365"></td> <td data-bbox="1801 1331 2013 1365"></td> </tr> </tbody> </table>						Number of Inspections				Name of facility #1: Davenport “Lower Well” Storage Area (transfer station)	10	Lower Well Inspection Log II	Public Works Personnel	None	Name of facility #2:					Name of facility #3:					Name of facility #4:				
	Number of Inspections																													
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Name of facility #2:																														
Name of facility #3:																														
Name of facility #4:																														
<b>Part III.A.6</b>	<b>Pesticides, Herbicides, and Fertilizer Application</b>																													
	Continue to require proper certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for all applicators contracted to apply																													

**SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE**

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<p>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.</p> <p><i>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.</i></p>					
<p><b>PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides</b></p>		0	Public Works Training/Certification Log	Public Works Personnel Only	1 Public Works Employee currently holds certification; 2 others will be FDACS certified in April, 2014.
<p><b>CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides</b></p>		N/A			
<p><b>CONTRACTORS: FDACS certified / licensed applicators of fertilizer</b></p>		N/A			
<p><b>PERSONNEL: Green Industry BMP Program training completed</b></p>		0	Same	PW Personnel	No personnel trained under this program
<p><b>CONTRACTORS: Green Industry BMP Program training completed</b></p>		N/A			
<p>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. <u>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.</u></p>					
<p><i>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.</i></p>					
<p><i>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.</i></p>					
<p><b>Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance</b></p>			N/A		Not within impaired water shed
<p>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.</p>					
<p><i>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</i></p>					

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<p><i>reporting items please include in Column F an explanation for why no outreach was performed.</i></p>					
<p><b>DEP Note:</b> Polk County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Polk County). The co-permittees are to report just the public education and outreach activities that they performed.</p>					
<p><b>DEP Note:</b> 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:</p>					
<p style="text-align: center;"><b>FYN PROGRAM FUNDING: Permittee Provides Funding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Amount of Funding = \$</b></p>					
<p><b>Estimated percentage of the population reached by the activities in total</b></p>		25%	Public Education Logbook	Public Works Director	None
<p><b>Brochures/Flyers/Fact sheets distributed</b></p>		46	Same	Same	None
<p><b>Neighborhood presentations: Number conducted</b></p>		1	Same	Same	Conducted annually at citywide "Open House" event, each October
<p><b>Neighborhood presentations: Number of participants</b></p>		74	Same	Same	None
<p><b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b></p>		1	Same	Same	None
<p><b>Special events: Number conducted</b></p>		1	Same	Same	Materials distributed at "Concerned Citizens" meeting, August 2013

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	<p><b>Special events: Number of participants</b></p>	74	Public Ed. Logbook	Public Works Director	One-time only event
	<p><b>Web Site: Number of hits / visitors to the stormwater-related pages</b></p>	0	Same	Same	None
<b>Part III.A.7.a</b>	<b>Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures</b>				
	<p>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. <b>Report amendments, as needed.</b></p> <p><i>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.</i></p> <p><b>ATTACH a report on any amendments to the applicable legal authority</b></p> <p>No amendments; city has adopted P.C. Ordinance 93-06 for rules and enforcement</p>				
<b>Part III.A.7.c</b>	<b>Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal</b>				
	<p>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. <b>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.</b></p> <p><i>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.</i></p> <p><i>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.</i></p> <p><b>DEP Note: Polk County is to report ONLY the proactive inspections it performed in the unincorporated areas of Polk County – any proactive inspections it performed in the co-permittees' jurisdictions are to be reported by the co-permittees. Each co-permittee is to report the Polk County proactive inspections done in their jurisdiction separately from the proactive inspections that the co-permittee performed itself.</b></p> <p><b>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.</b></p>				
	<b>Proactive inspections performed by Polk County on behalf of a co-permittee for suspected illicit discharges / connections / dumping</b>	0	Illicit Discharge Inspection Logbook	Polk County DNR	None reported to the city during Year 2

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	Proactive inspections performed by the permittee for suspected illicit discharges / connections / dumping	3	Illicit Discharge Inspection Log	Public Works Personnel	2 discharge incidents found at metal fabricating facility; 1 additional incident found re: beauty salon. Warnings issued.
	Illicit discharges / connections / dumping found during a proactive inspection	2	Same	Same	Motor oil and hair dye discharged to 2 catch basins
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a proactive inspection	2	Same	Same	Warning letters issued to both facilities; removal/clean up completed.
	Fines issued for illicit discharges / connections / dumping found during a proactive inspection	0	Same	Same	Proper disposal orientation given to business owners
	<b>Year 1 ONLY: Attach the written proactive inspection program plan</b>		N/A		
<p>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. If a permittee relies on Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</p> <p><i>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.</i></p>					
	Reports received by Polk County of suspected illicit connections / discharges / dumping received	0	Illicit Discharge Inspection Log	Public Works Personnel	None
	Reports received by the permittee of suspected illicit connections / discharges / dumping received	0	Same	Same	None
	Reactive investigations of reports of suspected illicit discharges/ connections / dumping	0	Same	Same	None
	Illicit discharges / connections / dumping found during a reactive investigation	0	Same	Same	None
	Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation	0	Same	Same	None

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	<b>Fines issued for illicit discharges / connections / dumping found during a reactive investigation</b>		0	Same	Same	None	
	<p>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) <u>and contractors</u> 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).</p> <p><i>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.</i></p>						
		<b>Initial Training</b>	<b>Refresher Training</b>				
	<b>Personnel trained</b>	6	6		Public Works Training and Certification Log	Polk County Natural Resources	None
<b>Contractors trained</b>	0	2		Same	Same	No contractors attended the initial training in Year 1, refresher training in Year 2 attended by 2 LGI Homes representatives	
<b>Part III.A.7.d</b>	<b>Illicit Discharges and Improper Disposal — Spill Prevention and Response</b>						
	<p>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. If a permittee relies on the Polk County Fire Rescue or Fire Services Division to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County Fire Rescue/Fire Services Division shall make available) the necessary annual report information from the County.</p> <p><i>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.</i></p>						
	<b>Hazardous and non-hazardous material spills responded to</b>	0	Field Incident Report Log	PW Personnel	None		
	<p>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) <u>and contractors</u> 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).</p> <p><i>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.</i></p>						
		<b>Initial Training</b>	<b>Refresher Training</b>				
<b>Personnel trained</b>	6	6		Public Works	Polk County	None	

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				Training and Certification Log	Natural Resources	
	<b>Contractors trained</b>	0	0	Same	Same	No contractors attended the refresher course on this element.
<b>Part III.A.7.e</b>	<b>Illicit Discharges and Improper Disposal — Public Reporting</b>					
	<p>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).</p> <p><i>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.</i></p> <p><i>DEP Note: Polk County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Polk County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p>					
	<b>Estimated percentage of the population reached by the activities in total</b>		25%	Public Education Log	Public Works Director	Presented to public at the "Open House" event,
	<b>Brochures/Flyers/Fact sheets distributed</b>		45	Same	Same	None
	<b>Neighborhood presentations: Number conducted</b>		1	Same	Same	None
	<b>Neighborhood presentations: Number of participants</b>		74	Same	Same	None
	<b>Public displays (e.g., kiosks, storyboards, posters, etc.)</b>		1	Same	Same	None
	<b>Web Site: Number of visitors to the stormwater-related pages</b>		181	Same	City Clerk	None
<b>Part</b>	<b>Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control</b>					

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III.A.7.f					
	<p>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).</p> <p><i>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.</i></p> <p><i>DEP Note: Polk County is to report the public education and outreach activities that it performed county-wide (and not just in the unincorporated areas of Polk County). The co-permittees are to report just the public education and outreach activities that they performed.</i></p>				
	Estimated percentage of the population reached by the activities in total	25%	Public Education Logbook	PW Director	"Open House" event/in-house materials used exclusively
	Household Chemical Collection Center Program: Amount of waste collected / recycled / properly disposed (tons)	0	Same	Same	None
	Household Chemical Collection Center Program: Events	0	Same	Same	"Spring Cleaning" event is sponsored each year by Republic Services/does not qualify for credit
	Household Hazardous Waste Materials Guides distributed	0	Same	Same	None
	Brochures/Flyers/Fact sheets distributed	45	Same	Same	"Open House" event
	Neighborhood presentations: Number conducted	0	Same	Same	None
	Neighborhood presentations: Number of participants	0	Same	Same	None
	Public displays (e.g., kiosks, storyboards, posters, etc.)	1	Same	Same	"Open House" event



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	<p style="text-align: center;"><b>Storm sewer inlets newly marked/replaced</b></p> <p><b>Web Site: Number of visitors to the stormwater-related pages</b></p>				
		35	Public Education Log	PW Personnel	Placards donated by Haines City
		181	Same	Same	None
<b>Part III.A.7.g</b>	<b>Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage</b>				
	<p>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. <b>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.</b></p> <p><i>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.</i></p> <p><i>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.</i></p> <p><b>DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.</b></p>				
	<p><b>Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer pipe inspected for infiltration (linear feet)</b></p> <p><b>Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer pipe sealed, lined, and / or replaced (linear feet)</b></p> <p><b>Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer line breaks repaired</b></p> <p><b>Activity to reduce/eliminate SSOs and inflow / infiltration: Septic systems removed</b></p> <p><b>Activity to reduce/eliminate SSOs and inflow / infiltration: Emergency generator added</b></p> <p><b>SSO incidents discovered</b></p> <p><b>SSO incidents resolved</b></p> <p><b>Inflow / infiltration incidents discovered</b></p>	75 LF	Sanitary Sewer Inspection Log	Public Works Utilities Division Personnel	Inspection of storm line from new subdivision construction inlet to wet retention area; reported effluent discharge
		0	Same	Same	No damage or discharges found
		0	Same	Same	None
		0	Same	Same	None
		0	Same	Same	None
		0	Same	Same	None
		0	Same	Same	None

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	Inflow / infiltration incidents resolved		0	Same	Same	None	
	Name of owner of the sanitary sewer system		City of Davenport, Florida (current Contracted Licensed Operator: David Blount, Blount Utilities)				
Part III.A.8.a	<b>Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections</b>						
	<p>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:</p> <ul style="list-style-type: none"> <li>• Operating municipal landfills;</li> <li>• Hazardous waste treatment, storage, disposal and recovery facilities;</li> <li>• 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</li> <li>• 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.</li> </ul> <p>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 Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note:</i> The TRI is updated every spring / summer by the U.S. EPA at <a href="http://www.epa.gov/triexplorer">www.epa.gov/triexplorer</a>. 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.</p> <p>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 Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</p> <p><i>DEP Note:</i> 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.</p> <p><i>DEP Note:</i> Polk County is to report ONLY the inventory of high risk facilities in the unincorporated areas of Polk 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 Polk 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 Polk County that pertains to its jurisdiction.</p>						
	Number of Facilities	Number of Inspections	For violations discovered during a high risk inspection		High Risk Facility	Polk County	Our one high-risk
Fines issued			Notices of Violation (NOVs) / warning letters / citations issued				
	<b>Total high risk facilities</b>		0				

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						Logbook	Natural Resources	facility, <u>Holly Hill Fruit Packing, Inc.</u> has shut down all processing operations as of 2013; NPDES Permit discontinued.
	<b>New high risk facilities added to the inventory during the current reporting period</b>	0				Same	Same	None
	<b>Operating municipal landfills</b>	0	N/A	N/A	N/A	N/A	N/A	N/A
	<b>Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities</b>	0	N/A	N/A	N/A	N/A	N/A	N/A
	<b>EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities)</b>	0	N/A	N/A	N/A	N/A	N/A	N/A
	<b>Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c</b>	0	N/A	N/A	N/A	N/A	N/A	N/A
	<b>Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections)</b>	0	N/A	N/A	N/A	N/A	N/A	N/A
<b>Part III.A.8.b</b>	<b>Industrial and High-Risk Runoff — Monitoring for High Risk Industries</b>							
	<p>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. <b>Report the number of high risk facilities sampled. If a permittee relies on Polk County to conduct these activities on its behalf, the permittee shall obtain (and, upon request, Polk County shall make available) the necessary annual report information from the County.</b></p> <p><b>DEP Note: Polk County is to report ONLY the number of high risk facilities in the unincorporated areas of Polk County that were sampled – the high risk facilities located in the co-permittees' jurisdictions that were sampled by the County are to be reported by the co-permittees.</b></p>							
	<b>High risk facilities sampled</b>	0				Polk County HRFI Log	Polk County Personnel	None
<b>Part III.A.9.a</b>	<b>Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices</b>							
	<p>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. <b>Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.</b></p> <p><i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i></p>							

**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	0	Davenport Development Services Permit Files	Development Services Permit Technician	None
	PERMITTEE SITES: Construction site plans approved	0	Same	Same	None
	PRIVATE SITES: Construction site plans reviewed	6	Same	Same	None
	PRIVATE SITES: Construction site plans approved	6	Same	Same	Residential Home <i>phased</i> construction site plans/multiple acreage/structural BMPs in place
	<p>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.</p> <p><i>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.</i></p>				
	Notified of ERP stormwater permit requirements	6	Same	Same	While other permits were approved, these represent building plans associated directly with this program requirement
	Confirmed ERP coverage	6	Same	Same	None
	Notified of CGP stormwater permit requirements	6	Same	Same	None
	Confirmed CGP coverage	6	Same	Same	None
Part III.A.9.b	<b>Construction Site Runoff — Inspection and Enforcement</b>				
	<p>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 active construction sites inspected, and the number and type of enforcement actions / referrals taken.</p> <p><i>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%,</i></p>				

**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
	<p><i>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.</i></p> <p><b>DEP Note:</b> 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.</p>						
	<p><b>PERMITTEE SITES: Active construction sites</b></p>			0	Construction Site Inspection Logbook	Public Works Director/Personnel	No active construction sites during reporting period
	<p><b>PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs</b></p>			0	Construction Site Inspection Log	Same	None
	<p><b>PERMITTEE SITES: Percentage of active construction sites inspected</b></p>			0	Same	Same	None
	<p><b>PRIVATE SITES: Active construction sites</b></p>			5	Same	Same	None
	<p><b>PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs</b></p>			12	Same	Same	None
	<p><b>PRIVATE SITES: Percentage of active construction sites inspected</b></p>			100	Same	Same	None
	<p><b>Red Tags issued</b></p>			0	Same	Same	"Red Tags" are not used in our program
	<p><b>Notices of Violation (NOVs) issued</b></p>			0	Same	Same	No violations detected
	<p><b>Stop Work Orders issued</b></p>			0	Same	Same	None
	<p><b>Fines issued</b></p>			0	Same	Same	None
	<p><b>Year 1 ONLY: Attach the written construction site inspection program plan</b></p>				N/A		
Part III.A.9.c	<b>Construction Site Runoff — Site Operator Training</b>						
	<p>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.</p> <p><i>DEP Note:</i> 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.</p> <p><i>DEP Note:</i> 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.</p>						
	Inspector Certification	Non-Inspector Initial	Refresher Training				

**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
	Training	Training (non-certification)					
Permittee construction site inspectors	0		0		Training and Certification Log	Public Works Director	Public Works Director is licensed through FDEP as a certified construction site inspector; license #2475
Permittee construction site plan reviewers		1			Training and Certification Log	PW Director	Development Services Permit Tech trained on all SWPP and permit construction procedures.
Permittee construction site operators		0			Same	Same	None
Private construction site operators		0			Same	Same	None

**SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)**

Permit Citation/ SWMP Element	SWMP EVALUATION
<b>Part II.A.1 Structural control inspection and maintenance</b>	<p>Strengths: Generally Speaking, the City's SWMP is effective in reaching the desired NPDES goals, with regard to structural control inspection and maintenance. Our city remains small enough in population density and overall municipal area to allow department personnel to maintain a highly efficient level of inspection and maintenance of all structural controls. This allows us to quickly inspect, evaluate, repair and/or replace any structural controls which are operating at a substandard level. All personnel are trained in inspection and maintenance procedures regarding this element.</p>
	<p>Weaknesses: As our city continues to annex new areas, and our economy remains sluggish, we sometimes do not have the fiscal resources available to maintain the above-average level of compliance that we would like. Also, we have only enough personnel in the Public Works Department to remain compliant, but not to perform the above-average level of maintenance. For instance, several areas remain which have localized flooding issues from municipal streets; unfortunately, the funding is not yet in place to correct these through retrofit, as we would like.</p>
	<p>SWMP Revisions to address deficiencies: At present, our personnel are sufficiently addressing inspection and maintenance activities; we have updated our SWS map to reflect quadrant areas systematically designed to allow for more efficient maintenance schedules. Employees will soon be able to download these quadrants and information directly to their smart phones.</p>
<b>Part II.A.2 Significant redevelopment</b>	<p>Strengths: The city has experienced a rise in development of single family homes, as reflected in this report; however, redevelopment continues to be negligible. Department personnel are quite capable of monitoring and addressing any issues with regard to this element as needed.</p>
	<p>Weaknesses: To date, weaknesses in this area are negligible.</p> <p>SWMP Revisions to address deficiencies: Continue close monitoring and cooperation with our Development Services Department to remain informed of any redevelopment projects that might occur in our area.</p>
<b>Part II.A.3 Roadways</b>	<p>Strengths: We currently employ street sweeping and cleaning with USA Street Sweeping, Inc, through Republic Services. So far, in conjunction with our litter control efforts, we do manage to reduce pollutant amounts efficiently (see our reported level reduction vs. other co-permittees our size).</p>
	<p>Weaknesses: Due to our small Public Works crew and wide expanses of state and county roads which bisect our city, we cannot always perform all the control tasks we would like to in a given reporting year. We also have not been able to encourage the level of volunteer efforts for liter control/waste removal that we would like.</p>
	<p>SWMP Revisions to address deficiencies: Reach out to the community at large in a more timely and efficient manner to attract more citizens to the cause of keeping litter and waste removed from our system.</p>
<b>Part II.A.4 Flood control</b>	<p>Strengths: See above, as areas of isolated flood areas are discussed; overall, we have very few flood control problems, and have isolated the ones we do have. During this permit year, we utilized a private company to open several hundred lineal feet of drain line, removing roots and other organic waste, and significantly reducing flooding problems in two of our major flood areas.</p>
	<p>Weaknesses: With the line clearing, the city is in actuality just buying time; what must ultimately be done is a retrofit of piping and control structures to raise the level of drainage and treatment capacity.</p>
	<p>SWMP Revisions to address deficiencies: We are still looking for funding/grant opportunities to address this issue; we have a set of engineered plans available, but must procure funding to actually break ground in the problem areas.</p>

**SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)**

<b>Part II.A.5 Waste TSD Facilities</b>	Strengths: The city presently has no outstanding deficiencies with regard to this element.
	Weaknesses: None at present
	SWMP Revisions to address deficiencies: Transfer Station areas present no problem with regard to permit compliance at this time.
<b>Part II.A.5 Waste TSD Facilities</b>	Strengths: <u>See response to Part II.A.5 above.</u>
	Weaknesses:
	SWMP Revisions to address deficiencies:
<b>Part II.A.6 Pesticide, herbicide, fertilizer application</b>	Strengths: The city currently utilizes a secure storage area to store all such chemicals used in these types of treatments, and it is inspected regularly. The city currently has a staff member on hand who is licensed to use the chemicals. We employ no pesticides in the city, and our city offices are professionally treated for pests. We use only commercially available Round Up products to control weed and grass growth within our ROWs, used by trained city personnel. Fertilizers (for ball fields, parks, etc) are used under this employee's supervision, and are clearly marked and stored.
	Weaknesses: None at present
	SWMP Revisions to address deficiencies: We will be adding two newly trained employees in April, 2014, when they complete pesticide/herbicide training.
<b>Part II.A.7 Illicit Discharge Detection and Elimination</b>	Strengths: We are currently using a proactive method of inspection for these types of incidents, and have actually had very few incidents (generally) to respond to. We utilize a standard form for investigating illicit discharges; our methods have produced good results with regard to public compliance as well.
	Weaknesses: Our department remains understaffed, but still effective in inspecting and responding to these incidents; some of our contributing businesses in the city change ownership quite frequently, and the need for education on illicit discharges becomes a factor.
	SWMP Revisions to address deficiencies: We are trying to reach more of the general public and more business owners through our public education efforts, as well as our electronic media presentations on our website.
<b>Part II.A.8 High Risk Industry Runoff</b>	Strengths: During the reporting year, our one high-risk industrial facility closed down all of its processing operations and dropped its NPDES Industrial Permit.
	Weaknesses: None at present
	SWMP Revisions to address deficiencies: Remain vigilant and continue random inspections of the remaining property to make certain all production equipment and any materials are removed and/or eliminated. Part of the facility remains open, but the processing plant area is closed.
<b>Part II.A.9 Construction Site Runoff</b>	Strengths: The Public Works Director is presently licensed (since 2002) through FDEP to inspect all BMPs involved in all construction sites, private or public. A standardized form is used for inspections of these areas (the form has been updated as of November 2013 to increase efficiency of inspections since single family home site construction has risen sharply).
	Weaknesses: Some of the construction sites are building and finishing construction areas so quickly now that staff is having difficulty maintaining two inspections per week, which is the mandated rule for the department. However, personnel are to date able to inspect all sites at minimum once per week during construction activities.



**SECTION VIII. EVALUATION OF THE STORMWATER MANAGEMENT PROGRAM (SWMP)**

		SWMP Revisions to address deficiencies: The department is considering availing itself of assistance in this area from neighboring cities, but since we are able to maintain at least one inspection per week, we will wait to ascertain whether construction will continue to rise or will level off before we reach out to other cities.
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**SECTION IX. CHANGES TO THE STORMWATER MANAGEMENT PROGRAM (SWMP) ACTIVITIES (Not Applicable In Year 4)**

<b>A.</b>	<b>Permit Citation/ SWMP Element</b>	<p><b>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></p> <p><i>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.</i></p>
		<b>The City of Davenport requests no changes to the Storm Water Management Program Activities at this time.</b>
<b>B.</b>	<b>Permit Citation/ SWMP Element</b>	<p><b>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)</b></p> <p><i>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.</i></p>
		<b>The City of Davenport requests no changes to the Storm Water Management Program Activities at this time.</b>

## 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
<input type="checkbox"/>	X	Part II.F	<b>EACH ANNUAL REPORT:</b> If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP.		
<input type="checkbox"/>	X	Part III.A.1	<b>EACH ANNUAL REPORT:</b> An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable.		
<input type="checkbox"/>	X	Part III.A.4	<b>EACH ANNUAL REPORT:</b> A list of the flood control projects that did <u>not</u> include stormwater treatment and an explanation for each of why it did not, if applicable.		
<input type="checkbox"/>	X	Part III.A.7.a	<b>EACH ANNUAL REPORT:</b> A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable.		
X	<input type="checkbox"/>	Part V.B.9	<b>EACH ANNUAL REPORT:</b> Reporting and assessment of monitoring results. <b>[Also addressed in Section III of the Annual Report Form]</b>	1	SWMP General Monitoring Results
X	<input type="checkbox"/>	Part VI.B.2	<b>EACH ANNUAL REPORT:</b> An evaluation of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4 that, <u>at a minimum</u> , must include responses to the questions listed in the permit.	2	Pollutant Load Reductions
<input type="checkbox"/>	X	Part VIII.B.3.e	<b>EACH ANNUAL REPORT:</b> 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.		
<input type="checkbox"/>	X	Part VIII.B.4.f	<b>EACH ANNUAL REPORT after approval of the BPCP:</b> The status of the implementation of the Bacterial Pollution Control Plan (BPCP).		
<input type="checkbox"/>	X	Part III.A.1	<b>YEAR 1:</b> An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM).		
<input type="checkbox"/>	X	Part III.A.3	<b>YEAR 1:</b> 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.		
<input type="checkbox"/>	X	Part III.A.6	<b>YEAR 1 or YEAR 2:</b> A copy of the adopted Florida-friendly Ordinance, if applicable.		
<input type="checkbox"/>	X	Part III.A.7.c	<b>YEAR 1:</b> A proactive illicit discharge / connection / dumping inspection program plan.		
<input type="checkbox"/>	X	Part III.A.9.b	<b>YEAR 1:</b> A construction site inspection program plan. <b>[For approval by DEP]</b>		
X	<input type="checkbox"/>	Part III.A.2	<b>YEAR 2:</b> A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment.	3	Development Services Pollutant Reduction Effectiveness
<input type="checkbox"/>	X	Part V.A.2	<b>YEAR 3:</b> Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs.		
<input type="checkbox"/>	X	Part III.A.2	<b>YEAR 4:</b> A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development / redevelopment.		
<input type="checkbox"/>	X	Part V.A.3	<b>YEAR 4:</b> If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate.		
<input type="checkbox"/>	X	Part V.B.3	<b>YEAR 4:</b> The monitoring plan (with revisions, if applicable).		
<input type="checkbox"/>	X	Part VII.C	<b>YEAR 4:</b> An application to renew the permit.		
<input type="checkbox"/>	X	Part VIII.B.3.d	<b>YEAR 4:</b> 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
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.1	SOP and/or schedule of inspections and maintenance activities of the structural controls and roadway stormwater collection system.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.3	SOP for the litter control program.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.3	SOP for the street sweeping program.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.3	SOP for inspections of equipment yards and maintenance shops that support road maintenance activities.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.5	SOP for inspections of waste treatment, storage, and disposal facilities not covered by an NPDES stormwater permit.
<input type="checkbox"/>	<input type="checkbox"/>		X	Part III.A.6	Plan for public education and outreach on reducing the use of pesticides, herbicides and fertilizer.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<b>Part III.A.7.c</b>	<b>Plan for proactive illicit discharge / connections / dumping inspections.*</b>
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.7.c	SOP for reactive illicit discharge / connections / dumping investigations.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.7.c	Plan for illicit discharge training.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	Part III.A.7.d	SOP for spill prevention and response efforts.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.7.d	Plan for spill prevention and response training.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	Part III.A.7.f	Plan for public education and outreach on the proper use and disposal of oils, toxics and household hazardous waste.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.7.g	SOP to reduce / eliminate sanitary wastewater contamination of the MS4.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.8	SOP for inspections of high risk industrial facilities.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Part III.A.9.a	SOP for construction site plan review for stormwater, erosion and sedimentation controls, and ERP and CGP coverage.
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	<b>Part III.A.9.b</b>	<b>Plan for inspections of construction sites.*</b>
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	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**

<b>Rule / Permit Citation</b>	<b>Report Title</b>	<b>Due Date</b>
Part VIII.B.3.a	<b>6 MONTHS from effective date of permit:</b> TMDL Prioritization Report.	3/12/12
Part VIII.B.3.b	<b>12 MONTHS from effective date of permit:</b> TMDL Monitoring and Assessment Plan.	
Part VIII.B.3.c	<b>6 MONTHS from receiving analyses from the lab:</b> TMDL Monitoring Report.	TBD
Part VIII.B.4	<b>30 MONTHS from start date per TMDL Prioritization Report:</b> 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:

<b>Rule/Permit Citation</b>	<b>BMAP Title</b>	<b>Date BMAP Annual Report Submitted to DEP</b>
Part VIII.B.2		N/A
Part VIII.B.2		N/A
Part VIII.B.2		N/A
Part VIII.B.2		N/A

**END OF REVISED TAILORED MS4 AR FORM  
CYCLE 3 PERMIT**

## Attachment 1

### SWMP GENERAL MONITORING RESULTS

As discussed earlier in the Annual Report (Part III), the city's monitoring program currently functions within established requirements regarding this element. While Polk County Natural Resources Personnel have in the past annually inspected the city's four (4) CDS units (and one source point discharge associated with a CDS unit), for operational status, city personnel have taken over that task as of the activation of the new Interlocal Agreement. Results of these inspections are now filed immediately by the Public Works Director in the appropriate log book for necessary action (if any), and if anything, the new process of inspections has yielded better results with regard to monitoring pollutants from the MS4. Polk County Personnel had also monitored the city's Public Works Compound, where herbicides, fertilizers, engine oils and fuels are stored for use in various machinery and in various city operations; city staff are conducting these inspections now. Our lower well transfer station is also inspected annually. Each inspection rates the city's compliance with BMPs regarding runoff, standing water issues, chemical/herbicide/fertilizer leakage and proper storage, etc. The program is efficient and complies with the current permit regulations for these considerations.

Any corrective issues needed are brought to the attention of the department director, who is to immediately initiate corrective action. The program works well to date, and has had the overall effect of improving our program in general. No outstanding compliance issues were reported during the current reporting period. Please refer to the records kept in the Public Works Director's office for individual inspection details.

## Attachment 2

### Pollutant Load Reductions

#### Part VI.B.2: Summary assessment of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4

- 1. Have storm water pollutant loadings discharged from the MS4 decreased? Why or why not?**

**Response:** Yes, pollutant load discharges have been reduced through the use of street sweeping (see Annual Report Section), CDS units for four separate direct out falls, litter collection (our public education efforts have yielded litter collection events initiated and carried out by Davenport citizens), routine maintenance and cleaning of the entire SWS, public outreach and education, as well as proactive and reactive illicit discharge inspections. Our newly reorganized inspection tasks (see attachment 1) have had the effect of improving our reduction efforts as well during the reporting year. All Public Works personnel have been trained in proper procedures for reduction efforts, and the program for pollutant reductions works sufficiently overall.

- 2. Which components of the SWMP are working well and are effective in reducing storm water pollutant loadings?**

**Response:** The street sweeping program works at the highest practical level to directly impact pollutant loadings and the removal thereof. Also, our Public Works Department's quick and efficient response to illicit discharge reports (and related proactive inspections) remains a major factor as well. Routine cleaning of storm drains is kept at an efficient level (as much as current manpower will allow), and the CDS units we have in operation remove a significant amount of pollutants from the MS4.

- 3. Which components of the SWMP are not working well and need to be revised to make them more effective in reducing storm water pollutant loadings?**

**Response:** Our small staff is always a concern in maintaining a significant amount of pollutant loadings; as construction of single and multiple family homes increases in our area, we will need to remain involved in cooperative efforts with our contractors to inspect and reduce pollutant loads from these sites. Six phased subdivision construction

projects were approved and began during this reporting year, and maintaining sufficient inspection of each is always a challenge. Other concerns include our inability to motivate citizens in our debris removal efforts, although our public education efforts are showing positive results with this element. Overall, however, the program remains sufficient at this time.

**4. Which components of the SWMP do not contribute to reducing the storm water pollutant loads and could be revised or eliminated, and why?**

**Response:** As all facets of the program contribute in some way (some certainly with a more direct effect than others), I would not recommend that any of them be eliminated at this time, with the possible exception of some localized flooding issue procedures which do not directly affect traffic, persons, or property, and whose resolution does little to reduce pollutant loads, but this is of course an arguable point.

**5. Is the monitoring program providing data that can be used to assess the effectiveness of the SWMP in reducing storm water pollutant loadings, assess the effectiveness of the specific BMPs, and determine where storm water retrofitting projects should be prioritized for implementation?**

**Response:** The short answer is yes, in conjunction with hard percentage data such as that obtained from street sweeping calculations, CDS loading data, etc. Several cities have expressed their intent to the Davenport Public Works Director to possibly purchase a data loader, which will make the answer to a question like this much more accurate; we intend to explore the possibilities of purchasing such a device in the near future to add to our program materials.

Hank Harrison, Davenport Public Works Director

### ATTACHMENT 3

#### PART 111.A.2: A SUMMARY REPORT OF A REVIEW OF CODES AND REGULATIONS TO REDUCE THE STORM WATER IMPACT FROM NEW DEVELOPMENT/REDEVELOPMENT

*Attached are Sections 14.05.00, 17.01.00, 17.02.00 and the Section Appendix of Davenport's Land Development Regulations regarding storm water management and design standards for development and redevelopment projects.*

**Note:** The attached LDR standards address most storm water design and management issues ; however, an effort should be made to highlight the main points herein, simplify the message, and create a short “guide for contractors” that can be attached to all approved building codes. This will encourage developers to review it more thoroughly during project construction. Also, a subsection should be created and approved by the Davenport City Commission and Planning Board, requiring all builders to post their Construction Generic Permits, ERP Permits, SWPPP, and any other documents in a central location on site for review by inspectors and/or building officials. These changes will be relayed to the city's Development Services Department for consideration.



## **SECTION 14.05.00 Stormwater Management**

Treatment of stormwater runoff shall be required for all development, redevelopment and, when expansion occurs, existing developed areas. The stormwater treatment system or systems can be project specific, or serve sub-areas within the City. The design and performance of all stormwater management systems shall comply with applicable State Regulations (Chapter 17-25 and Chapter 17-302, Florida Administrative Code) and the rules of the SWFWMD stated in Chapter 40D-4, F.A.C. Stormwater discharge facilities shall be designed so as to not lower the receiving water quality or degrade the receiving water body below the minimum conditions necessary to maintain their classifications as established in Chapter 17-302, F.A.C. Steps to control erosion and sedimentation shall be taken for all development.

### **14.05.01 Stormwater Management Requirements**

- (A) *Performance Standards.* All development must be designed, constructed and maintained to meet the following performance standards and Appendix A, whichever is more restrictive:
- (1) While development activity is underway and after it is completed, the characteristics of stormwater runoff shall approximate the rate, volume, quality, and timing of stormwater runoff that occurred under the site's natural unimproved or existing state, except that the first one inch of stormwater runoff shall be treated in an off-line retention system or according to FDEP's Best Management Practices.
  - (2) Maintenance activity may be undertaken so long as it does not change or affect the quality, rate, volume or location of stormwater flows on the site or of stormwater runoff.
  - (3) Actions may be undertaken during emergency conditions that violate these regulations to prevent imminent harm or danger, or to protect property from fire, violent storms, hurricanes or other hazards. Upon cessation of the emergency, all activities shall conform to this Section.
  - (4) Agriculture activity may be engaged in, provided farming activities are conducted in accordance with the requirements set forth in an approved Soil Conservation Service conservation Plan. If the Conservation Plan is not implemented accordingly, this exemption shall become void and a stormwater permit shall be required.
- (B) *Residential Performance Standards.* It is intended that all of the standards in the citations from the Florida Administrative Code are to apply to all development and redevelopment and that exemptions based on project size thresholds and

management facilities would be adversely impacted by the proposed discharge, the developer shall install and pay for such additional improvements as may be required. Where additional capacity is required to handle the needs of the general stormwater system of the City, costs of such extra capacity shall be prorated between the developer and other interests in a manner acceptable to the City.

- (D) Stormwater management systems shall be designed so that the peak predevelopment discharge rate at the point of stormwater discharge is not exceeded by the peak post-development rate during a 25-year, 24-hour storm event, having a total rainfall of 8.5 inches as required by the water management district. Detention and/or retention with filtration of the first one-half inch of runoff or the runoff from the first inch of rainfall shall be provided as required by FDEP.
- (E) The developer shall furnish the City with approved stormwater permits and/or exemptions prior to commencing any site work.
- (F) If on-site retention with no positive outfall is to be provided, the stormwater management system shall be designed to retain all runoff from a 100-year, 72-hour storm event (13.5 inches in a continuous 72 hour period) without flooding of buildings. In addition, the plat or stormwater management plan shall indicate that no positive outfall is provided and that, if applicable, some lots may flood during extreme storm events.
- (G) Along with preliminary construction plans, a stormwater management plan and a complete set of stormwater management calculations shall be provided the City for review by the City (consulting) engineer. The stormwater management plan shall include all areas that drain into, or through, the proposed subdivision or development and the subdivision or development outfall system. The diameter, types, sizes, and flow lines of all existing and proposed storm sewer and cross-drain pipes shall be shown, along with the inlets and manholes. The stormwater management areas that drain into each inlet shall be depicted, along with the stormwater management areas to the nearest 1/10<sup>th</sup> of an acre and the "C" factor used. In addition, the stormwater management plan shall indicate flood plain areas as indicated on the FEMA Maps, locations and boundaries of wetland areas or water of the State; locations and results of soils borings and percolation tests; and an SCS soil map with soil classifications and descriptions of characteristics.
- (H) All retention areas shall be designed based on a SCS Type II Florida Modified storm distribution with antecedent moisture condition per water management district.
- (I) All stormwater management structures shall be in accord with FDOT

management system is dedicated to and accepted by another acceptable entity. All stormwater management systems that are not dedicated to the City shall be operated and maintained by one of the following entities:

- (A) The property owner or developer if:
  - (1) Written proof is submitted in the appropriate form by either letter or resolution, that a governmental entity or such other acceptable entity as set forth in paragraphs A-F below accept the operation and maintenance of the stormwater management and discharge facility at a time certain in the future; or
  - (2) A bond or other assurance of continued financial capacity to operate and maintain the system is submitted;
- (B) For-profit or non-profit corporations including homeowners associations, property owners associations, condominium owners associations or master associations if:
  - (1) The owner or developer submits documents constituting legal capacity and a binding legal obligation between the entity and the City affirmatively taking responsibility for the operation and maintenance of the stormwater management facility; or
  - (2) The association has sufficient powers reflected in its organizational or operational documents to operate and maintain the stormwater management system as permitted by the City, establish rules and regulations, assess members, contract for services and exist perpetually, with the Articles of Incorporation providing that if the association is dissolved, the stormwater management system will be maintained by an acceptable entity as described above;
- (C) An active water control district created pursuant to Chapter 298, Florida Statutes, or stormwater management district created by special act, or Community Development District created pursuant to Chapter 190, Florida Statutes, or Special Assessment District created pursuant to Chapter 170, Florida Statutes;
- (D) A State or Federal agency;
- (E) An officially franchised, licensed or approved communication, water, sewer, electrical or other public utility; or
- (F) Polk County.

**APPENDIX A**

This Appendix is provided to establish minimum standards to be used by engineers and contractors in constructing development projects throughout the City of Davenport.

**Section A101 Purpose and Intent**

This Section establishes the minimum engineering design standards applicable to all developments exclusive of private parking lots and drive aisles. The standards are intended to promote the public health, safety and welfare by insuring the improvements are designed to adequately provide for transportation and drainage features of the development.

**Section A102 Authority**

In the event of a conflict between the requirements/standards listed in this Appendix, or in the interest of the public safety, health and welfare, or a conflict with the best management practices or requirements/standards recommend or adopted by the appropriate State Agencies and/or Professional Organizations/Associations, the more restrictive or stringent requirement/standard shall apply, as determined by the Administrative Official, Public Works Director or City Engineer/Consultant.

**Section A103 Drainage Design Requirements**

**A. Storm Sewer Design**

1. Manning's equation will be used for storm sewer design with coefficient of roughness (n) of 0.012 for concrete pipes and 0.012 for smooth lined corrugated metal pipes. Coefficient of roughness (n) for all other pipes shall be as shown in Table A1.

**Table A-1 Values of Coefficient of Roughness (n) for Standard Corrugated Steel (Manning's Formula)**

Corrugations	Annular 2-2/3" x 2"	Helical 1-1/2" x 1/4"	Helical 2-2/3" x 2"				
	All Diameters	Diameter 8" 10"	Pipe Diameter				
			15"	18"	24"	36"	48"
Unpaved	.024	.013 .016	.013	.014	.017	.019	.020
25% Paved	.021				.015	.017	.020
Fully Paved	.012				.012	.012	.012

7. Time of Concentration will be determined by using Figures A3 and A4. The minimum Time of Concentration used in computations will be ten minutes.

**Table A2 Maximum Capacity (Q cfs) for 80% Efficiency Total**

Cross Slopes	Longitudinal Slopes							
	0.20%	0.50%	1.0%	2.0%	3.0%	4.0%	5.0%	6.0%
<b>Type 1 Inlet</b>								
1/4	6.5	5.0	4.0	3.2	2.5	2.3	2.0	1.5
3/8	*7.3/85	6.8	5.5	4.7	4.2	3.5	3.0	2.3
2	*5.5/95	7.7	6.6	4.9	4.5	4.0	3.5	2.8
5/8	*3.9/100	8.5	7.9	6.5	5.3	4.5	4.0	3.5
3/4	*2.7/100	6.7/95	8.6	7.7	8.7	5.9	4.9	4.0
<b>Type 3 Inlet</b>								
1/4	3.0	2.3	1.8	1.6	1.3	1.1	0.9	0.8
3/8	4.3	3.8	3.2	2.7	2.4	2.1	1.8	1.5
2	5.1	4.1	3.3	2.6	1.8	1.6	1.4	1.2
5/8	*7.0/75	5.0	3.9	3.2	2.7	2.3	1.9	1.6
3/4	*6.0/85	5.8	4.5	3.7	3.0	2.7	2.4	2.0
<b>Type 5 Inlet</b>								
1/4	4.8	4.3	3.7	3.2	2.8	2.7	2.6	2.5
3/8	6.4	5.7	5.2	4.6	4.2	3.8	3.6	3.3
2	7.7	7.2	6.7	6.1	5.7	5.3	4.9	4.6
5/8	*5.6/95	*8.0/80	7.5	6.9	6.2	5.5	5.2	5.0
3/4	*4.9/100	*7.0/90	*7.6/85	8.2	7.5	7.0	6.5	6.2
<b>Type Y Inlet</b>								
3/4	9.3/82.5	----	8.0/75	6.0	8.0/72.5	8.5/75	-----	----

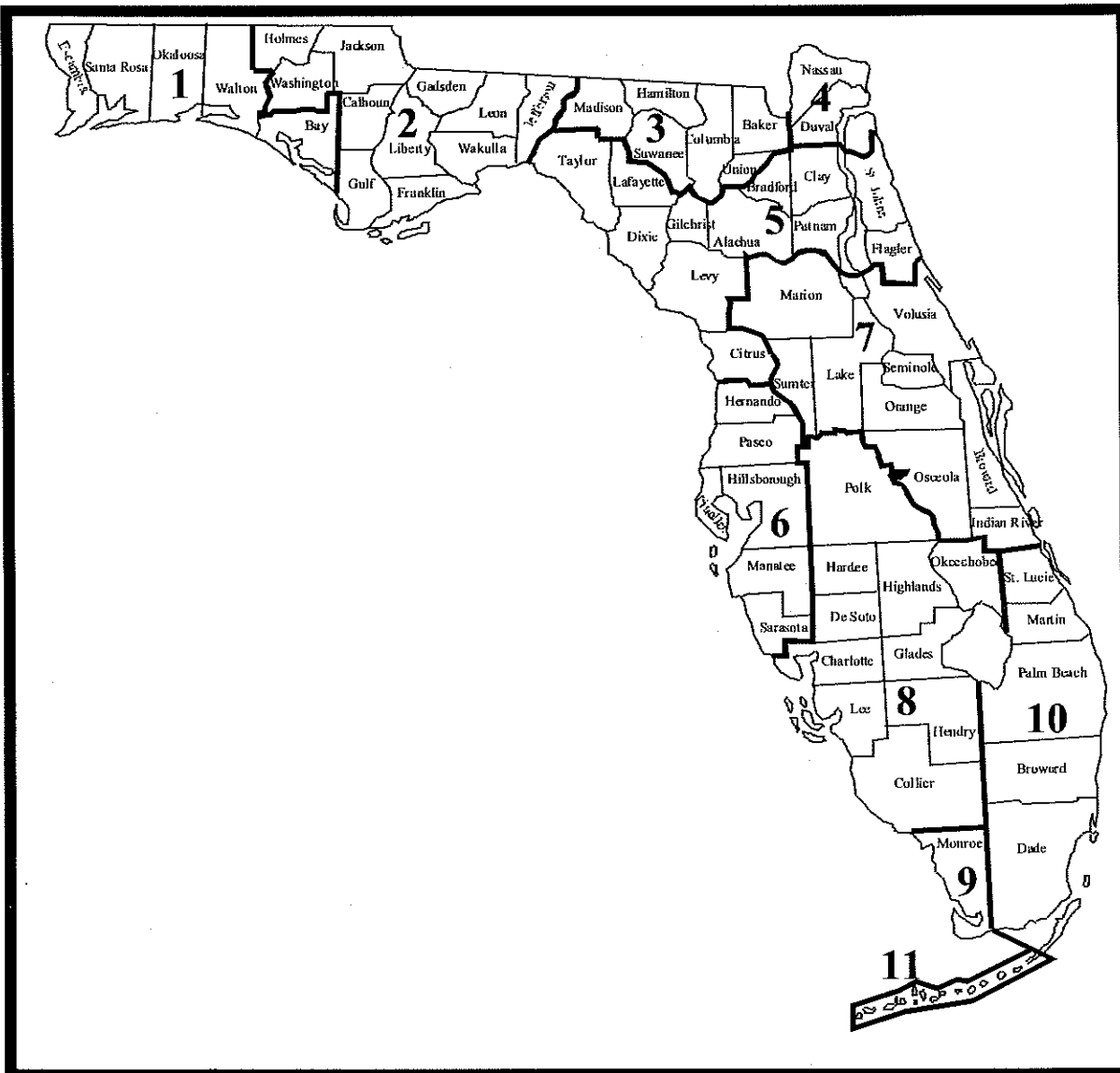
\* = Road Flooded @ cfs/% efficiency - = No data

**Table A-4 Design Storm Frequency Factors**

DESIGN STORM FREQUENCY FACTORS FOR PERVIOUS AREA RUNOFF COEFFICIENTS	
Return Period (years)	Design Storm Frequency Factor, $X_T$
2 to 10	1.00
25	1.10
50	1.20
100	1.25

Reference: Wright-McLaughlin Engineers (1969).

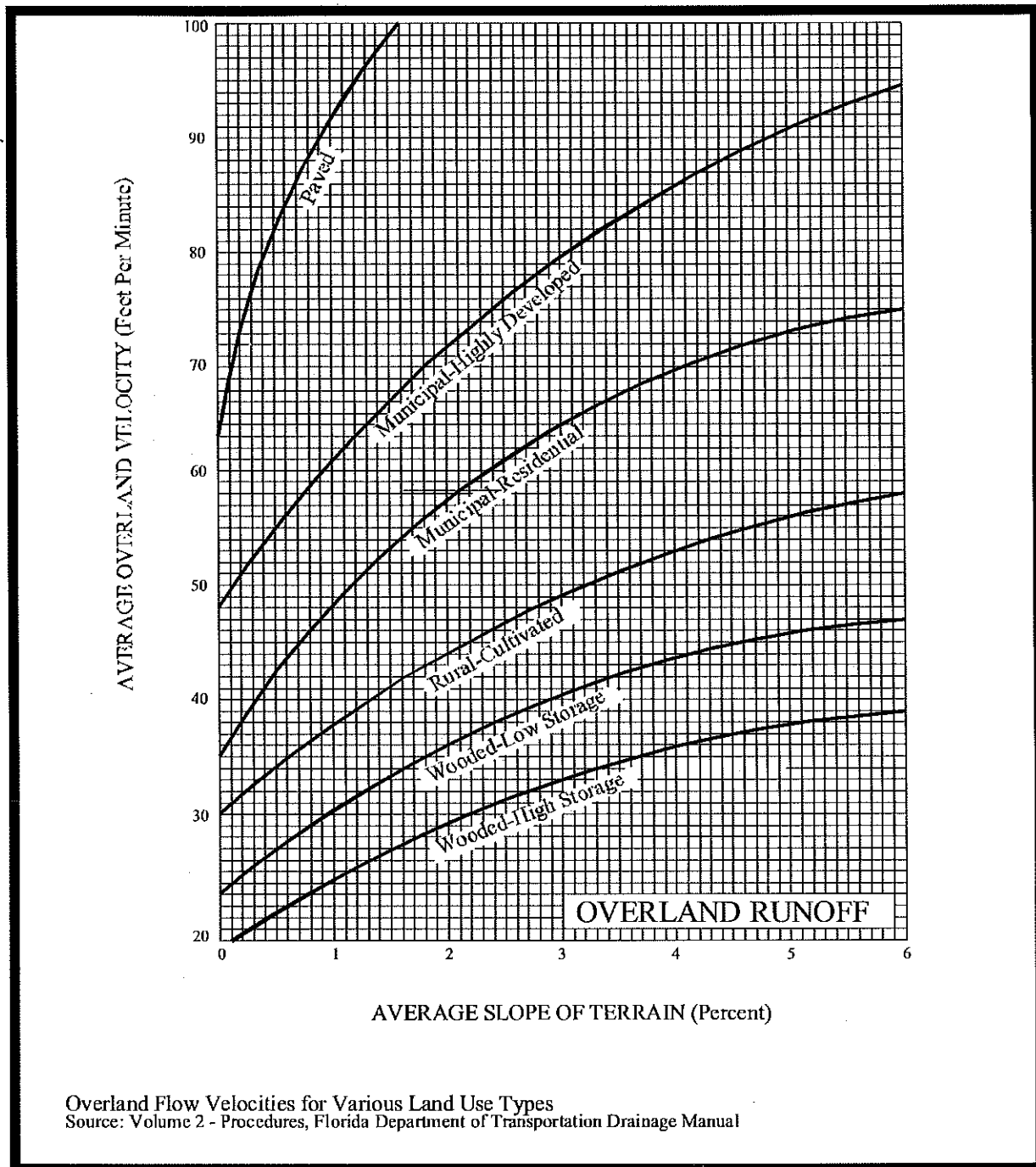
**Figure A-1 Zones for Precipitation Intensity Duration Frequency**



**Zones for Precipitation Intensity Duration Frequency (IDF) Curves**

Source: Volume 2 \_ Procedures, Florida Department of Transportation Drainage Manual

**Figure A-3 Overland Flow Velocities for Various Land Use Types**



**B. Ditches**

1. The maximum ditch velocity allowed, without erosion protection, shall be governed by the following table:

**Table A-5 Maximum Ditch Velocity**

Type of Soil	Maximum Allowable Velocity (Feet Per Second)
Fine Sand	1.5
Silt Loam	2.0
Fine Gravel	2.5
Clay	3.0

2. Ditch protection shall be determined by the following table:

**Table A-6 Ditch Protection**

DITCH PROTECTION		
Grade	Flow	Protection
Less Than 2%	Less Than Allowable Velocities Shown Above	Grass and Mulch
Less Than 2%	More Than Allowable	*Sod
Up to 3%	Less Than 15 cfs	*Sod
Exceeds 3%	Exceeds 15 cfs	Paved

\* Where watering, either natural or artificial, is available

3. Outfall ditches and ditches not adjacent to a road shall be situated within a drainage easement of sufficient width to allow a 15 feet wide maintenance berm on one side and a five feet stability berm on the opposite side. The bottom width of an outfall ditch should be two feet wider than any culvert it serves. Side slopes of outfall ditches shall be 2:1 or flatter, unless ditches are paved. Drainage easements located on platted lots will be noted on the plat to be maintained by the property owner or other specified entity. Drainage easements will not serve as utility easements unless specifically approved by the City Engineer.
4. Highway section ditches shall be a minimum of two feet below shoulder point elevation. Roadway centerline grades shall be higher than surrounding natural ground where wet conditions are encountered to prevent damage to base material. Ditch bottom width shall not be less than four feet.



- a. Filter fabric for use in underdrains shall conform to the following minimum properties:

<b>Fabric Property</b>	<b>Test Method</b>	<b>Unit</b>	<b>Typical Value</b>
Grab Tensile Strength	ASTM D-1682	lb.	120
Grab Tensile Elongation	ASTM D-1682	%	55
Trapezoidal Tear Strength	ASTM D-1117	lb.	50
Mullen Burst Strength	ASTM D-3786	psi	210
Puncture Strength	ASTM D-3787	lb.	70
Water Flow Rate	CFMC-GET-2	gal/min/sf	285

- b. The filter fabric pipe wrap shall be an approved strong, tough, porous nylon, polyester, polypropylene, or other approved fabric which completely covers and is secured to the perforated plastic tubing pipe underdrain in such a way as to prevent infiltration of trench backfill material. The filter envelope shall weigh a minimum of four ounces (4 oz.) per square yard and shall retain soil particles larger than 212 microns (No. 70 sieve), when tested in accordance with ASTM D-1682, the grab strength (wet) of the filter wrap shall not be less than 100 lbs. and the grab elongation shall not be less than 60 percent. Storage and handling of filter envelope shall be in accordance with the manufacturer's recommendations. Torn or punctured filter wrap shall not be used.
- c. An example of a filter aggregate (fine aggregate) would be sand. Sand used for backfilling trenches under, around and over underdrain pipe shall consist of hard, durable, clean quartz sand and shall be reasonably well graded from coarse to fine and when tested by means of laboratory sieves, it shall meet the following requirements in percent of total weight.

Total Retained on:

<b>Sieve</b>	<b>Percent</b>	<b>Sieve</b>	<b>Percent</b>
No. 4	0 to 5	No. 30	30 to 75
No. 8	0 to 15	No. 50	65 to 95
No. 16	3 to 35	No. 50	93 to 100

- d. Examples of a filter aggregate (other) would be:
- i. When stone is used for filter aggregate it shall be composed clean, durable rock that is noncementous when exposed to water for extended periods and shall be so certified by a geotechnical engineer.

## CHAPTER 17

### *ENVIRONMENTAL PROTECTION*

#### *SECTION 17.01.00 General*

The City is committed to the protection of environmental resources through the adoption of the Comprehensive Plan and more specifically the adoption of the Conservation Element of the Plan. Some of the issues addressed in this Element include surface water, water well, lakes and wetlands. This Section provides the regulations necessary to implement stormwater management systems, water well protection, impervious surface coverage, and protection of lakes and wetlands; threatened or endangered species habitat, conservation area, native ecological communities and water shortages.

#### *SECTION 17.02.00 Stormwater Management*

##### (A) Stormwater Management Systems

- (1) Stormwater management systems shall be installed by the developer which the City Engineer/Consultant certifies as adequate to handle a minimum rainfall of 5.5 inches per hour without damage to the facilities and shall be governed by the City, SWFWMD, FDEP and FDOT Stormwater Management regulation, whichever is more restrictive.
- (2) When existing off-site stormwater management facilities would be adversely impacted by the proposed discharge, the developer shall install and pay for such additional improvements as may be required.
- (3) Where additional capacity is required to handle the needs of the general stormwater system of the City, costs of such extra capacity shall be prorated between the developer and other interests in a manner acceptable to the City.
- (4) Stormwater management systems shall be designed so that the peak predevelopment discharge rate at the point of stormwater discharge is not exceeded by the peak post-development rate during a 25 year - 24 hour storm event, having a total rainfall of 8.5 inches as required by the SWFWMD.
- (5) Detention and or retention with filtration of the one-half inch of runoff or the runoff from the first inch of rainfall shall be provided as required by FDEP. All installations shall be in conformance with all applicable SWFWMD, FDEP and FDOT rules.

- (6) The development shall furnish the City with approved stormwater permits and/ or exemptions prior to commencing any site work. However, if the developer can produce written evidence to the City Staff demonstrating that an accepted application to either or both of these agencies has been in process for more than 120 days but with no permit issued, and in the opinion of the City Engineer/Consultant, all of the developer's construction plans are in order and meet the requirements of this code, then the City Commission may waive this requirement, if in their opinion the public health, safety and welfare would not be impaired by such action.
- (7) If on-site retention with no positive outfall is to be provided, the stormwater management system shall be designed to retain all runoff from a 100 year - 72 hour storm event (13.5 inches in a continuous 72 hour period) without flooding of buildings. In addition, the plat or stormwater management plan shall indicate that no positive outfall is provided and that, if applicable, some lots may flood during extreme storm events.
- (8) Along with construction plans, a stormwater management plan and a complete set of calculations shall be provided the City for review by the City Engineer/Consultant.
- (9) The stormwater management plan shall include:
  - a. all areas that drain into, or through, the proposed subdivision or development and the subdivision or development outfall system;
  - b. the diameter, types, sizes and flow lines of all existing and proposed storm sewer and cross-drain pipes, along with the inlets and manholes;
  - c. stormwater management areas that drain into each inlet, along with the stormwater management areas to the nearest one-tenth of an acre and the "C" factor used;
  - d. indicate flood plain areas indicated on the FEMA maps, as well as locations and boundaries of wetland areas or waters of the State; and
  - e. locations and results of soils borings and percolation tests, along with an SCS soil map with soil classifications and descriptions of characteristics.
- (10) All retention areas shall be designed based on a SCS Type II Florida Modified storm distribution with antecedent moisture condition per SWFWMD regulations.

- (11) All construction shall be in accordance with City specifications and all structures shall be in accordance with FDOT specifications. Stormwater may empty into an existing storm sewer system or any other outlet approved by the City Engineer/Consultant at a rate not to exceed the peak predevelopment rate. Overland flow over roadways shall not be permitted.
- (12) Any new construction that is proposed to drain to a FDOT stormwater management system shall be required to secure a FDOT stormwater management permit and submit such to the Administrative Official prior to the issuance of a development order.
- (B) Sub-drainage. Sub-drainage facilities shall be required in “wet soils” areas if the City Engineer/Consultant determines that the bottom of any base material used for foundations or streets would otherwise be less than one foot above highest anticipated groundwater levels. Such decisions shall be based on SCS soil surveys, wet season water table determined by field borings or area history of flooding. Soil cement base may be used in lieu of sub-drains when approved by the City Engineer/Consultant. Sub-drainage facilities shall conform to SWFWMD, FDEP and FDOT specifications and standards.
- (C) Special considerations. Special consideration shall be given in the layout of streets, lots, blocks, buildings, and easements to the preservation of resource and specimen individual trees. Special consideration shall also be given to preserving natural drainage methods and natural topography and landscape. Special consideration shall be given to providing special screening, buffers, or berms where developments abut incompatible land uses.
- (D) Maintenance requirements. It shall be the duty of the developer/property owner to provide proper maintenance of the stormwater management system so that the system continues to meet the requirements of this section. The City shall have access to inspect stormwater management systems and facilities and to require such maintenance, repair, and replacement of facilities as necessary.

***SECTION 17.03.00 Wellhead Protection***

***17.03.01 Wellhead Protection Area Established***

- (A) A 200 foot zone of exclusion and 400 foot zone of protection shall be established around all public potable water wells of the City, as depicted in Figure 17.1 and shown on a map, which shall be maintained by the Administrative Official. The wellhead protection area shall also be shown on the Future Land Use Map of the Comprehensive Plan.

Attachment 1

SWMP GENERAL MONITORING RESULTS

As discussed earlier in the Annual Report (Part III), the city's monitoring program currently functions within established requirements regarding this element. While Polk County Natural Resources Personnel have in the past annually inspected the city's four (4) CDS units (and one source point discharge associated with a CDS unit), for operational status, city personnel have taken over that task as of the activation of the new Interlocal Agreement. Results of these inspections are now filed immediately by the Public Works Director in the appropriate log book for necessary action (if any), and if anything, the new process of inspections has yielded better results with regard to monitoring pollutants from the MS4 . Polk County Personnel had also monitored the city's Public Works Compound, where herbicides, fertilizers, engine oils and fuels are stored for use in various machinery and in various city operations; city staff are conducting these inspections now. Our lower well transfer station is also inspected annually. Each inspection rates the city's compliance with BMPs regarding runoff, standing water issues, chemical/herbicide/fertilizer leakage and proper storage, etc. The program is efficient and complies with the current permit regulations for these considerations.

Any corrective issues needed are brought to the attention of the department director, who is to immediately initiate corrective action. The program works well to date, and has had the overall effect of improving our program in general. No outstanding compliance issues were reported during the current reporting period. Please refer to the records kept in the Public Works Director's office for individual inspection details.

## Attachment 2

### Pollutant Load Reductions

#### Part VI.B.2: Summary assessment of the effectiveness of the SWMP in reducing pollutant loads discharged from the MS4

- 1. Have storm water pollutant loadings discharged from the MS4 decreased? Why or why not?**

**Response:** Yes, pollutant load discharges have been reduced through the use of street sweeping (see Annual Report Section), CDS units for four separate direct out falls, litter collection (our public education efforts have yielded litter collection events initiated and carried out by Davenport citizens), routine maintenance and cleaning of the entire SWS, public outreach and education, as well as proactive and reactive illicit discharge inspections. Our newly reorganized inspection tasks (see attachment 1) have had the effect of improving our reduction efforts as well during the reporting year. All Public Works personnel have been trained in proper procedures for reduction efforts, and the program for pollutant reductions works sufficiently overall.

- 2. Which components of the SWMP are working well and are effective in reducing storm water pollutant loadings?**

**Response:** The street sweeping program works at the highest practical level to directly impact pollutant loadings and the removal thereof. Also, our Public Works Department's quick and efficient response to illicit discharge reports (and related proactive inspections) remains a major factor as well. Routine cleaning of storm drains is kept at an efficient level (as much as current manpower will allow), and the CDS units we have in operation remove a significant amount of pollutants from the MS4.

- 3. Which components of the SWMP are not working well and need to be revised to make them more effective in reducing storm water pollutant loadings?**

**Response:** Our small staff is always a concern in maintaining a significant amount of pollutant loadings; as construction of single and multiple family homes increases in our area, we will need to remain involved in cooperative efforts with our contractors to inspect and reduce pollutant loads from these sites. Six phased subdivision construction

projects were approved and began during this reporting year, and maintaining sufficient inspection of each is always a challenge. Other concerns include our inability to motivate citizens in our debris removal efforts, although our public education efforts are showing positive results with this element. Overall, however, the program remains sufficient at this time.

**4. Which components of the SWMP do not contribute to reducing the storm water pollutant loads and could be revised or eliminated, and why?**

**Response:** As all facets of the program contribute in some way (some certainly with a more direct effect than others), I would not recommend that any of them be eliminated at this time, with the possible exception of some localized flooding issue procedures which do not directly affect traffic, persons, or property, and whose resolution does little to reduce pollutant loads, but this is of course an arguable point.

**5. Is the monitoring program providing data that can be used to assess the effectiveness of the SWMP in reducing storm water pollutant loadings, assess the effectiveness of the specific BMPs, and determine where storm water retrofitting projects should be prioritized for implementation?**

**Response:** The short answer is yes, in conjunction with hard percentage data such as that obtained from street sweeping calculations, CDS loading data, etc. Several cities have expressed their intent to the Davenport Public Works Director to possibly purchase a data loader, which will make the answer to a question like this much more accurate; we intend to explore the possibilities of purchasing such a device in the near future to add to our program materials.

Hank Harrison, Davenport Public Works Director

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