



ANNUAL REPORT FORM FOR INDIVIDUAL NPDES PERMITS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS (RULE 62-624.600(2), F.A.C.)

- This Annual Report Form must be completed and submitted to the Department to satisfy the annual reporting requirements established in Rule 62-621.600, F.A.C.
- Submit this fully completed and signed form and any REQUIRED attachments by mail to the address in the box at right.
- Refer to the Form Instructions for guidance on completing each section.
- **Please print or type information in the appropriate areas below.**

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

SECTION I. BACKGROUND INFORMATION

| | | | |
|--|--|----------------------|----------------------------|
| A. | Permittee Name: City of Winter Haven | | |
| B. | Permit Name: Polk County Municipal Separate Storm Sewer System | | |
| C. | Permit Number: FLS000015-003 (Cycle 3) | | |
| D. | Annual Report Year: <input type="checkbox"/> Year 1 <input type="checkbox"/> Year 2 <input checked="" type="checkbox"/> Year 3 <input type="checkbox"/> Year 4 <input type="checkbox"/> Year 5 <input type="checkbox"/> Other, specify Year: | | |
| E. | Reporting Time Period (month/year): October 1, 2013 through September 30, 2014 | | |
| F. | Name of the Responsible Authority: Deric Feacher | | |
| | Title: City Manager | | |
| | Mailing Address: P. O. Box 2277 | | |
| | City: Winter Haven | Zip Code: 33883-2277 | County: Polk |
| | Telephone Number: (863) 291-5600 ex. 228 | | Fax Number: (863) 291-5623 |
| | E-mail Address: dfeacher@mywinterhaven.com | | |
| G. | Name of the Designated Stormwater Management Program Contact (if different from Section I.F above): Mary E. Thornhill | | |
| | Title: Natural Resources Specialist | | |
| | Department: Community Services | | |
| | Mailing Address: P. O. Box 2277 | | |
| | City: Winter Haven | Zip Code: 33883-2277 | County: Polk |
| | Telephone Number: (863) 291-5600 ex. 247 | | Fax Number: (863) 297-3090 |
| E-mail Address: mthornhill@mywinterhaven.com | | | |

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

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

SECTION III. MONITORING PROGRAM

| | |
|----|---|
| A. | 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> |
| | The monitoring plan is carried out through an inter-local agreement with Polk County. Polk County Natural Resources conducts quarterly monitoring. |
| B. | Provide a brief discussion of the monitoring results to date: • <i>If monitoring is done for the co-permittee by Polk County you may refer to the Polk County AR here as follows: "Please see the Polk County Annual Report for the monitoring information."</i> |
| | Please see the Polk County Annual Report for the monitoring information. <i>DEP Note: See Part V of the permit for the monitoring requirements.</i> |
| C. | Attach a monitoring data summary, as required by the permit. See attachment 003 |

SECTION IV. FISCAL ANALYSIS

| | |
|----|--|
| A. | Total expenditures for the NPDES stormwater management program for the current reporting year: \$1,912,619.26 <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: \$1,736,975.00 |

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 | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | ***DEP Note: Please complete Checklists A & B at the end of the tailored form.*** Any additional information required to be submitted in this current annual reporting year in accordance with Part III.A of your permit that is not otherwise included in Section VII below. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A monitoring data summary as directed in Section III.C above and in accordance with Rule 62-624.600(2)(c), F.A.C. |
| <input type="checkbox"/> | <input type="checkbox"/> | Year 1 ONLY: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM) in accordance with Rule 62-624.600(2)(a), F.A.C. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Year 3 ONLY: The estimates of pollutant loadings and event mean concentrations for each major outfall or each major watershed in accordance with Rule 62-624.600(2)(b), F.A.C. |
| <input type="checkbox"/> | <input type="checkbox"/> | 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): Deric C. Feacher

Title: City Manager

Signature: _____ Date: ____ / ____ / ____

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

| A. | B. | C. | D. | E. | F. | | | | |
|----------------------------------|--|---------------------------------------|------------------------------|--------------------------------|---|------------------------------|---|--|---|
| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments | | | | |
| Part III.A.1 | Structural Controls and Stormwater Collection Systems Operation | | | | | | | | |
| | <p>Maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures operated by the permittee, including, at a minimum, all of the types of control structures listed in Table II.A.1.a of the permit. Report the current known inventory.</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). Provide the outfall inventory and map with the Year 1 Annual Report.</p> <p>Report the number of inspection and maintenance activities conducted for each type of structure included in Table II.A.1.a, and the percentage of the total inventory of each type of structure inspected and maintained. If the minimum inspection frequencies set forth in Table II.A.1.a were not met, provide as an attachment an explanation of why they were not and a description of the actions that will be taken to ensure that they will be met.</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> | | | | | | | | |
| | Type of Structure | Number of Activities Performed | | | | | | | |
| | | Total Number of Structures | Number of Inspections | Percentage Inspected | Number of Maintenance Activities | Percentage Maintained | Documentation / Record | Entity Performing the Activity | Comments |
| | Dry retention systems | | | | | | | | |
| | Lake Silver Pond Airport (hangar) Diamond Plex (2) CoL Complex (Ballfield) (2) Winterset Water Plant Fairfax Water Plant Winterset Fire Station Fire Station No. 1 | 18 | 1462 | 100% | 646 | 100% | Quarterly Inspections Record Contractor Invoices and Payments Logos and Laserfische Files Parks and Grounds Daily Maintenance | Natural Resources Div, Natural Resources Specialist, Mary Thornhill Parks and Recreation Div, Parks and | Ponds inspected quarterly as part of inspection. Ponds inspected when herbicide and physical maintenance completed by contractors. |

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| | WalMart SR544 Motor Pool Pond Avenue S Paving Trailhead – Lake Silver Dr Trailhead Park (2) Downtown Parking Garage Pond Airport (terminal) | | | | | | Logs Water Plant Daily Logs | Grounds Utility Department, Water Plant Operator | Inspected during landscape maintenance activities. |
| | Wet retention systems Rotary Park Pond South Lake Howard Wetland Ponds (2) South Lake Howard Wetland Ditch Lake Hartridge Wetland Pond Airport (Pansy Ponds) (2) W. G. Roe Ponds (2) Lake May Ditch Lake May 6 th St SE Ditch Lake Lulu Ditch Motorpool Ditch Lake Maude Stormwater Pond Lake May Bordens Ditch | 15 | 485 | 100% | 321 | 100% | Quarterly Inspections Reports Contractor Invoices and Payments Logos and Laserfische Files Parks and Grounds Daily Maintenance Logs | Natural Resources Div, Natural Resources Specialist, Mary Thornhill (NR) Parks and Recreation Div, Parks and Grounds | Ponds inspected quarterly as part of inspection. Ponds inspected when herbicide and physical maintenance completed by contractors. Inspected during landscape maintenance activities. |
| | Exfiltration trench / French drains (linear feet) | 890 In ft | 48 | 100% | 0 | 0% | Daily Activity Sheets, Stormwater Maintenance / Streets Unit Quarterly Inspection | Streets/ Stormwater Division, Stormwater Crew Natural Resources Div, Natural Resources Specialist, Mary Thornhill | Regular Inspections and maintenance as needed Quarterly as part of inspection |
| | Grass treatment swales Lake Shipp Park Swales Legion Way (Chain O' Lakes Trail) Rolling Hills Cemetery Streets Division Roadway Swales | 4 | 83 | 100% | 78 | 100% | Quarterly Inspections Reports Parks and Grounds Daily Maintenance Logs | Natural Resources Div, Natural Resources Coordinator, Mary Thornhill Parks and | Ponds inspected quarterly as part of inspection. . Inspected during landscape |

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| | | | | | | | Streets Work Log | Recreation Div, Parks and Grounds Streets Division, Stormwater Crew | maintenance activities. Inspected during maintenance activities |
| | Raingardens (acres of drainage basin) | 12.38 acres | 252 | 100% | 234 | 100% | Quarterly Inspections Reports | Natural Resources Div, Natural Resources Specialist, Mary Thornhill | Raingardens inspected quarterly as part of inspection. |
| | | | | | | | Parks and Grounds Daily Maintenance Logs | Parks and Recreation Div, Parks and Grounds | Inspected during landscape maintenance activities. |
| | | | | | | | Streets Work Log | Streets Division, Stormwater Crew | Built by Streets Division and contractors |
| | Dry detention systems | 9 | 588 | 100% | 222 | 100% | Quarterly Inspections Reports | Natural Resources Div, Natural Resources Specialist, Mary Thornhill (NR) | Ponds inspected quarterly as part of inspection. |
| | Lucerne Park Fire Station Sportsman Park Q Block Improvements Kiwanis Park Pond Winter Haven Police Department Pond Senior Center W. G. Roe Ponds (2) Waste Water Treatment Plant II | | | | | | Contractor Invoices and Payments Logos and Laserfische Files Parks and Grounds Daily Maintenance Logs | | Ponds inspected when herbicide and physical maintenance completed by contractors. Inspected during landscape maintenance activities. |
| | Alum injection systems | 3 | 115 | 100% | 21 | 100% | Quarterly Inspections Reports | Natural Resources Div, Natural | Annual underground storage tank |
| | Lake Howard Alum Building | | | | | | | | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | | | | | | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Lake Lulu Alum Building Lake May Alum Building | | | | | | Contractors (alum system maintenance, physical maintenance) Invoices and Payments Logos and Laserfische Files | Resources Specialist, Mary Thornhill Technical Solutions Inc. Parks and Recreation Div, Parks and Grounds | inspection, monthly alum system inspections, quarterly alum building and catch basin inspections. | |
| | Pollution control structures Lake Lulu Trash / Sediment Catch Lake May Trash / Sediment Catch (3) Lake Hartridge Trash / Sediment Catch | 5 | 138 | 100% | 106 | 100% | Quarterly Inspections Reports Contractors Invoices and Payments Logos and Laserfische Files | Natural Resources Div, Natural Resources Specialist, Mary Thornhill | Bi-monthly trash/sediment catch basin inspections, quarterly alum building and catch basin inspections. | |
| | Major stormwater outfalls See Exceptions Report | 25 | 19 | 76% | 10 | 40% | Daily Activity Sheets, Stormwater Maintenance / Streets Unit Quarterly Inspections Reports | Streets Division, Stormwater Crew Natural Resources Div, Natural Resources Specialist, Mary Thornhill (NR) | Regular Inspections and maintenance as needed Bi-monthly trash/sediment catch basin inspections, quarterly alum building and catch basin inspections. | |
| | Weirs or other control structures | 14 | 82 | 20% | 81 | 20% | Daily Activity Sheets, Stormwater Maintenance / Streets Unit | Streets Division, Stormwater Crew Parks and Recreation Div, Parks and Grounds Natural Resources Staff | Regular Inspections and maintenance as needed | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | | | | | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | MS4 pipes / culverts (miles) | 92.95 mi | 0.14 mi | 1% | 0.14 mi | 1% | Daily Activity Sheets, Stormwater Maintenance / Streets Unit | Streets Division, Stormwater Crew | Regular Inspections and maintenance as needed |
| | See Exceptions Report | | | | | | | | |
| | Inlets / catch basins / grates | 1780 | 303 | 17% | 182 | 10% | Daily Activity Sheets, Stormwater Maintenance / Streets Unit | Streets Division, Stormwater Crew | Regular Inspections and maintenance as needed |
| | Ditches / swales (miles) | 5.1 mi | 44 | 100% | 32 | 100% | Daily Activity Sheets, Stormwater Maintenance / Streets Unit Parks and Grounds Daily Maintenance Logs Regular Maintenance Logs Quarterly Inspections Reports | Streets Division, Stormwater Crew Parks and Recreation Div, Parks and Grounds Contractor for Winter Haven Municipal Airport Natural Resources Div, Natural Resources Specialist, Mary Thornhill | Regular Inspections and maintenance as needed |
| | ATTACH explanation if any of the minimum inspection frequencies in Table II.A.1.a were <u>not</u> met Year 1 ONLY: Attach a map of all known major outfalls | | | | | | Attachment 002 | | |
| Part III.A.2 | Areas of New Development and Significant Redevelopment | | | | | | | | |
| | Report the number of significant redevelopment projects reviewed by the permittee for post-development stormwater considerations. | | | | | | | | |
| | DEP Note: Please provide an explanation in Column F for any "0" reported in Column C. | | | | | | | | |
| | Number of significant redevelopment projects reviewed | | | | | 5 | Development Review Committee Tracking Logs | Planning Division | Reviews performed by the Community and Economic Development Department |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | 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> | | | | |
| | Year 2 ONLY: Attach the summary report of the review activity | | | | |
| | Year 4 ONLY: Attach the follow-up report on plan implementation | | | | |
| Part III.A.3 | Roadways | | | | |
| | Annually review (and revise, as needed) and implement the permittee's written procedures for the litter control program(s) for public streets, roads, and highways, including rights-of-way, employed within the permittee's jurisdictional area and properly dispose of collected material. Implement the program on a monthly, or on an as needed, basis. Report on the litter control program, including the frequency of litter collection, an estimate of the total number of road miles cleaned or amount of area covered by the activities, and an estimate of the quantity of litter collected. <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> | | | | |
| | PERMITTEE Litter Control Program: Frequency of litter collection for City's Garbage Collection Services | Residential garbage 4 x wk = 208/year Commercial garbage 6 x wk = 312/year Yard debris 5 x wk = 260/year Weekend Warriors 1 or 2 x wk = 78/yr | Landfill tickets | Public Services Division, Solid Waste Staff, Weekend Warriors, Polk County Inmates | Public Services also utilize the weekend warrior program to assist with litter control. |
| | PERMITTEE Litter Control Program: Estimated amount of area maintained (acres & miles) | 25,408 acres within Winter Haven's City Limits Weekend Warriors = 200 miles | | Public Services Division, Solid Waste Staff, Weekend Warriors, Polk County Inmates | Public Services also utilize the weekend warrior program to assist with litter control. |
| | PERMITTEE Litter Control Program: Estimated amount of litter collected (tons & bags) | Residential garbage = 7,409 Tons | Landfill tickets | Public Services Division, Solid Waste Staff, | Public Services also utilize the weekend warrior |

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| | PERMITTEE Litter Control Program: Frequency of litter collection for City's landscape services operations PERMITTEE Litter Control Program: Estimated amount of area maintained (linear feet) PERMITTEE Litter Control Program: Estimated amount of litter collected (cubic yards) | Commercial garbage = 12,607 Tons Junk = 1,825 Tons Yard debris = 5,192 Tons C & D = 1,832 Tons Weekend Warriors = 1,937 bags | | Weekend Warriors, Polk County Inmates | program to assist with litter control. |
| | | 3 x week = 156 | Parks and Grounds Daily Maintenance Logs | Parks and Recreation Div, Parks and Grounds | Maintenance Mechanic Crew is dedicated to litter removal 3 days per week along downtown streets & trails. (M,W,F) |
| | | 158,400 In ft | Parks and Grounds Daily Maintenance Logs | Parks and Recreation Div, Parks and Grounds and Alternative Labor Crew | Estimated distance of Roadway linear feet. (52,800' Alternative Labor Crew; 105,600' Parks and Grounds Crews) Crew's daily routines include litter removal along right of way. |
| | | 5,500 bags / year | Parks and Grounds Daily Maintenance | Parks and Recreation Div, | Alternative Labor Crew tracks bags |

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| | PERMITTEE Litter Control Program: Frequency of litter collection for City of Winter Haven's Airport PERMITTEE Litter Control Program: Estimated amount of area maintained (linear feet and acres) PERMITTEE Litter Control Program: Estimated amount of litter collected (cubic yards) PERMITTEE Litter Control Program (Recycled Materials): Frequency of litter collection PERMITTEE: Litter Control Program: Recycled materials (tons) CONTRACTOR Litter Control Program (Recycled Materials): Frequency of litter collection CONTRACTOR Litter Control Program (Recycled Materials): Estimated amount of area maintained (linear feet) CONTRACTOR: Litter Control Program: Recycled materials (tons) | Est. 11,000 cu.yds | Logs for Alternative Labor Crew | Parks and Grounds and Alternative Labor Crew | used on routines. (55 gal. bags) Parks and Grounds staff performs litter removal at sites as part of their daily routines, record of amount not kept. |
| | | 260 times / year (Daily) | Airport Records | Airport Staff Airfield business partners | For airfield safety this is completed on a daily basis |
| | | Airport frontage on US Highway 92 West = 6,213 ft Airport frontage on 21 st Street NW = 5756 ft Airport property = 450 acres | Airport Records | Airport Staff Airfield business partners | Done in accordance with FAA guidelines to keep any debris away from runways and air traffic. |
| | | Unk | | Airport Staff Airfield business partners | The amount of material is not tracked |
| | | 1 – 2 times per week depending on volume | Public Services, Solid Waste Div Schedules | Public Services, Solid Waste Staff | Drop off sites and commercial |
| | | 909 Tons | Recycle Fee Docs | Public Services, Solid Waste Staff | Drop off sites and commercial |
| | | 1 time per week / residence | Public Services, Solid Waste Div Schedules | Florida Refuse | Tonnage Curbside pickup at residences |
| | | 25,408 acres within Winter Haven's City Limits | | | |
| | | 1,972 Tons | Recycle Fee Docs | Florida Refuse | Tonnage |

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| | | | | | Curbside pickup at residences |
| | If an Adopt-A-Road or similar program is implemented, report the total number of road miles cleaned and an estimate of the quantity of litter collected. | | | | |
| | DEP Note: 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 <u>not</u> remove the Adopt-A-Road Program reporting items. | | | | |
| | Trash Pick-up Events: Total miles cleaned | 153.71 Miles of roadway inside the City Limits 17 of the Chain of Lakes "Lakes" | Special Clean Ups Log | Public Services Division, Solid Waste Staff | |
| | Trash Pick-up Events | 9 | Special Events, Special Clean-Ups Log | Public Services Division, Solid Waste Staff, City Staff Volunteers, Residential Volunteers, Local Schools | Annual events and special events, scheduled by request. |
| | Trash Pick-up Events: Estimated amount of litter collected (tons & bags) | Clean it Up Winter Haven = 100 bags Project Eagle (Lakes Clean UP) = 1.24 Tons + 11 tires CDC – Day of Service = 40 bags Nighttime Christmas Parade Cleanup = collection boxes Household Hazardous Waste Day w/ Polk County 8490.00 pounds Xmas Recycling | Special Events, Special Clean-Ups Log | Public Services Division, Solid Waste Staff, City Staff Volunteers, Residential Volunteers, Local Schools, Boy Scouts, Fish and Wildlife Commission, Keep Winter Haven Clean and Beautiful, Lakes Education/Action Drive | Tonnage recorded by way of landfill invoices. |

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| | Trash Pick-up Events (Lakeshore Cleanups) | Drop Program = 67.5 cu yds (5,740 pounds) | | | |
| | | MLK Parade Cleanup = 42 bags | | | |
| | | Residential "Clean It Up" = 742.5 cu yds | | | |
| | Trash Pick-up Events (Lakeshore Cleanups): Estimated amount of litter collected (pounds) | Electronics Day | | | |
| | | 1 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Lakes Appreciation Month |
| | | 2,000 pounds + 74 bags | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Lakes Appreciation Month |
| <p>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.</p> <p><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></p> <p><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></p> | | | | | |
| | Frequency of street sweeping | Weekly | Daily Maintenance Logs | Parks and Recreation Div, Parks and Grounds | Staff performs street sweeping 1 time per week on all surround streets around the downtown parks. |
| | Total miles swept (per year) | 181.8 | Street Sweeping Daily Work Log | Parks and Recreation Div, Parks and Grounds | Forwarded to Natural Resources Div. for calculations |
| | Estimated quantity of sweeping material collected (cubic yards) | 84.15 | Street Sweeping | Parks and | Forwarded to |

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| | Frequency of street sweeping | | Daily Work Log | Recreation Div, Parks and Grounds | Natural Resources Div. for calculations |
| | | Monthly | Streets Work Log & Street Sweeping Spreadsheet | Streets Div Contractor (Monthly) | Contractor: USA Services |
| | Total miles swept (per year) | 3361.83 | Streets Work Log & Street Sweeping Spreadsheet | Streets Div Contractor | |
| | Estimated quantity of sweeping material collected (cubic yards) | 757.67 | Streets Work Log & Street Sweeping Spreadsheet | Streets Div | |
| | Total nitrogen loadings removed (pounds) | 1,087 lbs | NPDES/Cycle 3 Year 3 file | Natural Resources Div, Natural Resources Specialist, Mary Thornhill | MS4 Load Reduction Tool Version 1.2 used |
| | Total phosphorus loadings removed (pounds) | 697 lbs | NPDES/Cycle 3 Year 3 file | Natural Resources Div, Natural Resources Specialist, Mary Thornhill | MS4 Load Reduction Tool Version 1.2 used |
| | Year 1 ONLY: If have curbs and gutters, attach explanation of why no street sweeping program and the alternate BMPs used or planned | | NA | NA | NA |
| | Annually review (and revise, as needed) and implement the permittee's written standard practices to reduce the pollutants in stormwater runoff from areas associated with road repair and maintenance, and from permittee-owned or operated equipment yards and maintenance shops that support road maintenance activities. Report the number of applicable facilities and the number of inspections conducted for each facility. | | | | |
| | <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> | | | | |
| | | Number of Inspections | | | |
| | | Total = 254 | Daily Work Logs | Streets Coordinator Karen Ball (SD) | Monthly inspections consist of following |
| | Name of facility: Streets Facility Barn and Yard | 248 SD Daily | | | |

SECTION VII. STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY TABLE

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | 4 NR Quarterly 1 ES Annual 1 HR Annual | Quarterly Hazardous Materials Inspection logs Annual Safety Committee Citywide Inspections Annual MSDS or Right To Know (Safety) Inspection Reports | Natural Resources, Division, Natural Resources Specialist, Mary Thornhill (NR) Executive Services Director, Michele Stayner (ES) Human Resources, Shawn Dykes (HR) | guidelines established in BMPs |
| Part III.A.4 | Flood Control Projects | | | | |
| | <p>Report the total number of flood control projects that were constructed by the permittee during the reporting period and the number of those projects that did NOT include stormwater treatment. The permittee shall provide a list of the projects where stormwater treatment was not included with an explanation for each of why it was not. Report on any stormwater retrofit planning activities and the associated implementation of retrofitting projects to reduce stormwater pollutant loads from existing drainage systems that do not have treatment BMPs.</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> | | | | |
| | Flood control projects completed during the reporting period | 22 | Raingarden Projects Working File.xls | Natural Resources/ Natural Resources Specialist Mary Thornhill | Information received from various sources and compiled in spreadsheet |
| | Flood control projects completed during the reporting period that did <u>not</u> include stormwater treatment | 0 | | | |
| | ATTACH a list of the flood control projects that did <u>not</u> include stormwater | None | None | None | None |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | treatment and an explanation for each of why it was not | | | | |
| | Stormwater retrofit projects planned | | | | |
| | Stormwater retrofit projects under construction during the reporting period | 25 | Raingarden Projects Working File.xls | Natural Resources/ Natural Resources Specialist Mary Thornhill | Information received from various sources and compiled in spreadsheet |
| | Stormwater retrofit projects completed during the reporting period | 22 | Raingarden Projects Working File.xls | Natural Resources/ Natural Resources Specialist Mary Thornhill | Information received from various sources and compiled in spreadsheet |
| Part III.A.5 | Municipal Waste Treatment, Storage, and Disposal Facilities Not Covered by an NPDES Stormwater Permit | | | | |
| | <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"> • Operating municipal landfills; • Municipal waste transfer stations; • Municipal waste fleet maintenance facilities; and • Any other municipal waste treatment, waste storage, and waste disposal facilities. <p>Report the number of applicable facilities and the number of the inspections conducted for each facility.</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. An applicable facility under Part III.A.5 includes, but is not limited to, those facilities/yards where street sweeping material and/or yard waste are temporary stockpiled, and where solid waste collection vehicles are parked and/or maintained. In addition, if the same facility is applicable under both Parts III.A.3 and III.A.5 of the permit, the same site inspection can count towards both inspection requirements as long as it covers the applicable waste area(s). Be sure to report the site inspection under both Parts III.A.3 and III.A.5.</i></p> | | | | |
| | | Number of Inspections | | | |
| | Name of facility #1: Solid Waste Trucks and Heavy Equipment Maintenance and Storage Area | Total = 255 | Daily Check Sheets filed by date and | Solid Waste Staff Assistant, Betty | Inspected daily by crews, |
| | | | | | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | 248 PS Daily 1 FL Annual 4 NR Quarterly 1 ES Annual 1 HR Annual | truck number Fleet/Facility Maintenance Daily Inspections with any issued filed with Work Orders Quarterly Inspection Logs Annual Safety Committee City-Wide Inspection Annual MSDS or Right To Know (Safety) Inspection Report | Brown (PS) Fleet/Facility Maintenance Coordinator, Anna Mincey (FL) Natural Resources Division, Natural Resources Specialist, Mary Thornhill (NR) Executive Services Director, Michele Stayner (ES) Human Resources, Shawn Dykes (HR) | quarterly by Natural Resources' staff, annually by the Safety Committee and annually by Human Resources (Designee) for MSDS or Right to Know (Safety) |
| | Name of facility #2: Utilities Wastewater Treatment Plant #2 | Total = 371 365 WW Daily 4 NR Quarterly 1 ES Annual 1 HR Annual | WWTP#2 Daily Logs Quarterly Inspection Report Annual Safety Committee City-Wide Inspections Annual MSDS or | Utilities Department, Chief Operator and Pretreatment Coordinator, Terry Carver (WW) Natural Resources Division, Natural Resources Specialist, Mary Thornhill (NR) Executive Services Director, | Inspected daily by crews, quarterly by Natural Resources' staff, annually by the Safety Committee and annually by Human Resources (Designee) for MSDS or Right to Know (Safety) |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | | Right to Know (Safety) Inspection Report | Michele Stayner (ES) Human Resources, Shawn Dykes (HR) | |
| | Name of facility #3: Utilities Wastewater Treatment Plant #3 | Total = 371 365 WW Daily 4 NR Quarterly 1 ES Annual 1 HR Annual | WWTP#3 Daily Logs Quarterly Inspection Report Annual Safety Committee City-Wide Inspections Annual MSDS or Right to Know (Safety) Inspection Report | Utilities Department, Chief Operator and Pretreatment Coordinator, Terry Carver (WW) Natural Resources Division, Natural Resources Specialist, Mary Thornhill (NR) Executive Services Director, Michele Stayner (ES) Human Resources, Shawn Dykes (HR) | Inspected daily by crews, quarterly by Natural Resources' staff, annually by the Safety Committee and annually by Human Resources (Designee) for MSDS or Right to Know (Safety) |
| | Name of facility #4: Sage Road Landfill (closed) | Total = 19 12 NR Monthly 1 UT Annual 6 UT Bi-Monthly | Sage Road Inspection Logs Bi-Annual Well (Water) Monitoring Reports and Annual Gas Monitoring Reports | Natural Resources Division, Natural Resources Specialist, Mary Thornhill (NR) Utilities Services (UT) | Closed municipal yard debris landfill |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| Part III.A.6 | Pesticides, Herbicides, and Fertilizer Application | | | | |
| | <p>Continue to require proper certification and licensing by the Florida Department of Agriculture and Consumer Services (FDACS) for all applicators contracted to apply pesticides, herbicides, or fertilizers on permittee-owned property, as well as any permittee personnel employed in the application of these products. Report the number of permittee personnel applicators and contracted commercial applicators of pesticides and herbicides who are FDACS certified / licensed. Report the number of permittee personnel and contractors who have been trained through the Green Industry BMP Program, and the number of contracted commercial applicators of fertilizer who are FDACS certified / licensed.</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> | | | | |
| | PERSONNEL: Florida Department of Agriculture and Consumer Services (FDACS) certified applicators of pesticides and herbicides | 2 | Copies of certificates / licenses in personnel files | Parks and Recreation Div, Parks and Grounds | Steve Pruitt, Janet Thome |
| | CONTRACTORS: FDACS certified / licensed applicators of pesticides and herbicides | Total = 5 1 (PS) 4 (NR) | City of Winter Haven Procurement Services Files (PS) Natural Resources Division / Aquatic Herbicide Invoices | James Earl Wetzel – Apex Pest Control (PS) Amphibious Aquatics, Ground Level, Inc., Applied Aquatics, Inc., Water & Air Research Inc. (NR) | Copies of valid and proper licensure are required prior to awarding contracts |
| | PERSONNEL: Green Industry BMP Program training completed | 13 | Parks and Grounds files | Parks and Recreation Div, Parks and Grounds | |
| | CONTRACTORS: Green Industry BMP Program training completed | 1 | | Amphibious Aquatics, Ground Level, Inc., Applied Aquatics, Inc., Water & Air Research Inc. (NR) | |
| | <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 <u>all local governments within the watershed of a nutrient-impaired water body</u> shall adopt the Department's Model Ordinance for Florida-Friendly Fertilizer Use on Urban</p> | | | | |

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|----------------------------------|---|--------------------------------|------------------------------------|--|---|
| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | <p>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> | | | | |
| | Year 1 or Year 2 ONLY: Attach copy of adopted Florida-friendly ordinance | None | None | None | None |
| | <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. <u>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).</u> <u>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.</u></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> <p><i>DEP Note: Indicate under Column E "Entity Performing the Activity" if FYN or IFAS is performing any of the reported public education and outreach activities. In addition, please complete the following line:</i></p> <p style="text-align: right;">FYN PROGRAM FUNDING: Permittee Provides Funding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Amount of Funding = \$0.00</p> | | | | |
| | Estimated percentage of the population reached by the activities in total | 75% | | | |
| | Brochures/Flyers/Fact sheets distributed | 3832 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | Includes various materials |
| | Brochures/Flyers/Fact sheets distributed | 47,791 | Utility Accounts Mailing Log | Utility Account Services | Materials sent as insert to utility bills Annual Water Report (35,000), Annual Spring Clean Up Program (12,791) |
| | Brochures/Flyers/Fact sheets distributed | 600+ | Lakes Education / | Lakes Education / | Includes various |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | FYN: Brochure/Flyers/Fact sheets distributed | NA | Action Drive Files | Action Drive | materials |
| | FYN: Neighborhood presentations: Number conducted | NA | NA | FYN | NA |
| | FYN: Neighborhood presentations: Number of participants | NA | NA | FYN | NA |
| | Neighborhood presentations: Number conducted | NA | NA | FYN | NA |
| | Neighborhood presentations: Number of participants | 3 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | Neighborhood presentations: Number conducted | 83 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | Neighborhood presentations: Number of participants | 2 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Neighborhood presentations: Number of participants | 53 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Newsletter (Lakes LE/ADer): Number of articles published | 26 articles | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Quarterly Newsletter |
| | Newsletter (Lakes LE/ADer): Number of newsletters distributed | 2400 / annually | Lakes Education / Action Drive Files | Lakes Education / Action Drive | www.le-ad.org to view pdf |
| | Newspaper (The Ledger): Number of notices published | 4 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Ads run for litter clean up event |
| | Public displays (e.g., kiosks, storyboards, posters, etc.) | 4 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | Public displays (e.g., kiosks, storyboards, posters, etc.) | 3 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | FYN: Public displays (e.g., kiosks, storyboards, posters, etc.) | NA | NA | FYN | NA |
| | Movie Theater Public Service Announcements (PSAs) | Numerous airings daily | City of Winter Haven / Natural Resources Div Files / Invoice | Joint program with City of Lakeland / Polk County Natural Resources/ and City of Winter Haven Natural Resources Division | 3 – 30 sec PSAs @ 2 Theaters before all movies; WH Grand 10 and Lakeside Village |
| | Radio or television Public Service Announcements (PSAs) | 2 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | FYN: Radio or television Public Service Announcements (PSAs) | NA | NA | FYN | NA |
| | School presentations: Number conducted | 6 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | School presentations: Number of participants | 143 | NPDES Activities | City of Winter | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | School presentations: Number conducted | | Tracking Log.xlsx | Haven / Natural Resources Div | |
| | School presentations: Number of participants | 1 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | FYN: School presentations: Number conducted | 30 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | FYN: School presentations: Number of participants | NA | NA | FYN | NA |
| | Seminars/Workshops/Meetings: Number conducted | NA | NA | FYN | NA |
| | Seminars/Workshops/Meetings: Number of participants | 70 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | FYN: Seminars/Workshops: Number conducted | 1093 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | FYN: Seminars/Workshops: Number of participants | NA | NA | FYN | NA |
| | Special events: Number conducted | NA | NA | FYN | NA |
| | Special events: Number of participants | 24 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | Special events: Number conducted | 1618 | NPDES Activities Tracking Log.xlsx | City of Winter Haven / Natural Resources Div | |
| | Special events: Number of participants | 4 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | FYN: Special events: Number conducted | 500 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | FYN: Special events: Number of participants | NA | NA | FYN | NA |
| | Web Site: Number of hits / visitors to the stormwater-related pages | NA | NA | FYN | NA |
| | | Estimated 400/annually | Lakes Education / Action Drive Files | Lakes Education / Action Drive | www.le-ad.org |
| Part III.A.7.a | Illicit Discharges and Improper Disposal — Inspections, Ordinances, and Enforcement Measures | | | | |
| | Where applicable, strengthen the legal authority to conduct inspections, conduct monitoring, control illicit discharges, illicit connections, illegal dumping and spills into the MS4 and to require compliance with conditions in ordinances, permits, contracts, and orders. Report amendments, as needed. | | | | |
| | <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> | | | | |
| | ATTACH a report on any amendments to the applicable legal authority | None | None | None | None |
| Part III.A.7.c | Illicit Discharges and Improper Disposal — Investigation of Suspected Illicit Discharges and/or Improper Disposal | | | | |
| | During Year 1 of the permit, develop and implement a written proactive inspection program plan for identifying and eliminating sources of illicit discharges, illicit connections, or dumping to the MS4. Report on the proactive inspection program, including the number of inspections conducted, the number of illicit activities found, | | | | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | <p>and the number and type of enforcement actions taken.</p> <p><i>DEP Note:</i> 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.</p> <p><i>DEP Note:</i> 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.</p> <p><i>DEP Note:</i> Polk County is to report the 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.</p> <p><i>DEP Note:</i> 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.</p> | | | | |
| | Proactive inspections performed by Polk County on behalf of a co-permittee for suspected illicit discharges / connections / dumping | 79 | Spreadsheet & pdf file | Polk County Waste Resource Management Division | Mike Ferguson |
| | Proactive inspections performed by the permittee (City of Winter Haven) for suspected illicit discharges / connections / dumping | 12 | Sage Road Monthly Inspection spreadsheet | Natural Resources Division, Natural Resources Specialist, Mary Thornhill | Sage Road Landfill Site Monthly Inspections |
| | Illicit discharges / connections / dumping found during a proactive inspection | 0 | Sage Road Monthly Inspection spreadsheet | Natural Resources Division, Natural Resources Coordinator, Mary Thornhill | Sage Road Landfill Site Monthly Inspections |
| | Proactive inspections performed by the permittee (City of Winter Haven) for suspected illicit discharges / connections / dumping | 1793 | Fire Prevention Bureau Records | Winter Haven Fire Dept., Fire Marshal, Judy Rivera | Inspections for Fire Department are routine, performed daily. |
| | Illicit discharges / connections / dumping found during a proactive inspection | 0 | Fire Prevention Bureau Records | Winter Haven Fire Dept., Fire Marshal, Judy | Inspections for Fire Department are routine, |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | | | Rivera | performed daily. |
| | Proactive inspections performed by the permittee (City of Winter Haven) for suspected illicit discharges / connections / dumping | 70 | Fats, Oils and Grease (FOG) Program | Utility Department Grease Trap Inspector, Steve Rheiner | Inspections for Utility Department are routine, performed daily. |
| | Illicit discharges / connections / dumping found during a proactive inspection | 2 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | Inspections for Utility Department are routine, performed daily |
| | Notices of Violation (NOVs) issued for illicit discharges / connections / dumping found during a proactive inspection | 3 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | Inspections for Utility Department are routine, performed daily |
| | Fines issued for illicit discharges / connections / dumping found during a proactive inspection | 0 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | Inspections for Utility Department are routine, performed daily |
| | Year 1 ONLY: Attach the written proactive inspection program plan | | | | |
| | <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 | Spreadsheet & pdf file | Polk County Waste Resource Management | Mike Ferguson |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Reports received by the permittee (City of Winter Haven) of suspected illicit connections / discharges / dumping received Reactive investigations of reports of suspected illicit discharges/ connections / dumping Illicit discharges / connections / dumping found during a reactive investigation Notices of Violation (NOVs) / warning letters / citations issued for illicit discharges / connections / dumping found during a reactive investigation Fines issued for illicit discharges / connections / dumping found during a reactive investigation Reports received by the permittee (City of Winter Haven) of suspected illicit connections / discharges / dumping received Reactive investigations of reports of suspected illicit discharges/ connections / dumping | | | Division | |
| | | 11 | Code Enforcement Program Cases | Community Development Department, Code Enforcement | Most Code Enforcement investigations are complaint driven. |
| | | 11 | Code Enforcement Program Cases | Community Development Department, Code Enforcement | Most Code Enforcement investigations are complaint driven. |
| | | 7 | Code Enforcement Program Cases | Community Development Department, Code Enforcement | Most Code Enforcement investigations are complaint driven. |
| | | 5 | Code Enforcement Program Cases | Community Development Department, Code Enforcement | Most notices of violation are resolved within the allotted timeframe. |
| | | 0 | Code Enforcement Program Cases | Community Development Department, Code Enforcement | Fines are mostly issued for non-compliance, failure to correct and/or repeat offenders. |
| | | 5 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |
| | | 5 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Illicit discharges / connections / dumping found during a reactive investigation | 0 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |
| | Notices of Violation (NOVs) issued for illicit discharges / connections / dumping found during a reactive investigation | 0 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |
| | Fines issued for illicit discharges / connections / dumping found during a reactive investigation | 0 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |
| | Reports received by the permittee (City of Winter Haven) of suspected illicit connections / discharges / dumping received | 17 | NPDES Activities Log | Natural Resources Division, Natural Resources Specialist, Mary Thornhill | Most Natural Resources investigations are complaint driven. |
| | Reactive investigations of reports of suspected illicit discharges/ connections / dumping | 17 | NPDES Activities Log | Natural Resources Division, Natural Resources Specialist, Mary Thornhill | Most Natural Resources investigations are complaint driven. |
| | Illicit discharges / connections / dumping found during a reactive investigation | 8 | NPDES Activities Log | Natural Resources Division, Natural Resources Specialist, Mary Thornhill | Most Natural Resources investigations are complaint driven. |
| | Reports received by the permittee (City of Winter Haven) of suspected illicit connections / discharges / dumping received | 11 | Winter Haven PD Records System | Winter Haven Police Department | |
| | Reactive investigations of reports of suspected illicit discharges/ connections / dumping | 11 | Winter Haven PD Records System | Winter Haven Police Department | |
| | Illicit discharges / connections / dumping found during a reactive investigation | 7 | Winter Haven PD Records System | Winter Haven Police Department | |
| | Notices of Violation (NOVs) issued for illicit discharges / connections / | 0 | Winter Haven PD | Winter Haven | |
| | | | | | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | dumping found during a reactive investigation | | Records System | Police Department | |
| | Fines issued for illicit discharges / connections / dumping found during a reactive investigation | 0 | Winter Haven PD Records System | Winter Haven Police Department | |
| | <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> | | | | |
| | | Initial Training | Refresher Training | | |
| | Personnel trained | 5 (PD) | Total = 654 450 (HR) 67 (FD) 85 (PD) 52 (NR) | MSDS Training Response Sheets (HR) Fire Records Mgmt. System (FD) NPDES Activities Log (NR) | Human Resources, Shawn Dykes (HR) WH Fire Dept. spill response training (FD) Winter Haven Police Dept in house training (PD) Natural Resources Division, Natural Resources Specialist, Mary Thornhill |
| | Contractors trained | 0 | 23 | | Natural Resources Division, Natural Resources Specialist, Mary Thornhill |
| Part III.A.7.d | Illicit Discharges and Improper Disposal — Spill Prevention and Response | | | | |
| | <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</p> | | | | |

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|---|---|--|---|--|--|---|
| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments | |
| | 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. | | | | | |
| | DEP Note: The permittee may report the number of hazardous material spills separately from the number of non-hazardous material spills, or report one combined number, to more accurately reflect its tracking of these spills. | | | | | |
| | Hazardous and non-hazardous material spills responded to | Total = 17 9 (FD) 0 (PD) 4 (UD) 4 (NR) | Fire Records Management System (FD) Police Dept. Vehicle Accident Reports (PD) Utilities Division Abnormal Event Reports (UT) NPDES Log (NR) | Winter Haven Fire Department (FD) Winter Haven Police Department (PD) Utility Services Dept., Chief Operator / Industrial Pretreatment, Terry Carver (UT) Natural Resources Division (NR) | Complaint and observation driven responses. | |
| | During Year 1 of the permit, develop and implement a written plan for the training of all appropriate permittee personnel (including field crews, firefighters, fleet maintenance staff and inspectors) and contractors on proper spill prevention, containment, and response techniques and procedures. Refresher training shall be provided annually. Report the type of training activities, and the number of permittee personnel and contractors trained (both in-house and outside training). | | | | | |
| DEP Note: If "0" is reported for either reporting item, please include in Column F an explanation of why training was not provided to / obtained by personnel and contractors during the applicable reporting year, the most recent year that training was previously provided / obtained, and the names of the personnel and contractors previously trained. | | | | | | |
| | Initial Training | Refresher Training | | | | |
| Personnel trained | 5 (PD) | Total = 654 450 (HR) 67 (FD) 52 (NR) 85 (PD) | | MSDS Training Response Sheets (HR) Fire Records Mgmt. System (FD) NPDES Activities Log (NR) | Human Resources, Shawn Dykes (HR) WH Fire Dept. spill response training (FD) Natural Resources | All City staff are trained, annually, on proper handling and disposal at the time of MSDS or Right To Know (Safety) training. Storm Watch training is provided as |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | | | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | | | | | Division, Natural Resources Coordinator, Mary Thornhill (NR) | requested. Special Hazardous Materials training is provided to emergency personnel. |
| | Contractors trained | 0 | 23 | | | Natural Resources Division, Natural Resources Specialist, Mary Thornhill Technical Services Division, City Engineer and Planning | Pre-construction meetings – materials given and discussed |
| Part III.A.7.e | Illicit Discharges and Improper Disposal — Public Reporting | | | | | | |
| | <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> | | | | | | |
| | Estimated percentage of the population reached by the activities in total | | | 75% | | | |
| | Publicize the Polk County or local Pollution Complaint Hotline | | | Numerous airings daily | City of Winter Haven / Natural Resources Div Files / Invoice | Joint program with City of Lakeland / Polk County Natural Resources/ and City of Winter Haven Natural Resources | 3 – 30 sec PSAs @ 2 Theaters before all movies; WH Grand 10 and Lakeside Village |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Brochures/Flyers/Fact sheets distributed | 3832 | NPDES Activities Tracking Log.xlsx | Division City of Winter Haven/Natural Resources Div | Includes various materials |
| | Brochures/Flyers/Fact sheets distributed | 2320 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |
| | Brochures/Flyers/Fact sheets distributed | 47,791 | Utility Accounts Mailing Log | Utility Account Services | Materials sent as insert to utility bills Annual Water Report (35,000), Spring Clean Up (27,541) |
| | Brochures/Flyers/Fact sheets distributed | 600+ | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Includes various materials |
| | Neighborhood presentations: Number conducted | 3 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Neighborhood presentations: Number of participants | 75 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Neighborhood presentations: Number conducted | 2 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Neighborhood presentations: Number of participants | 53 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Neighborhood presentations: Number conducted | 10 | | Utilities Dept | Rain Barrel Workshops |
| | Neighborhood presentations: Number of participants | 404 | | Utilities Dept. | Rain Barrel Workshops |
| | Newsletter (Lakes LE/ADer): Number of articles published | 26 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Quarterly newsletter |
| | Newsletter (Lakes LE/ADer): Number of newsletters distributed | 2400 / annually | Lakes Education / Action Drive Files | Lakes Education / Action Drive | www.le-ad.org to view pdf(s) |
| | Newspapers (The Ledger): Number of notices published | 8 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Ads run for litter clean up event |
| | Public displays (e.g., kiosks, storyboards, posters, etc.) | 4 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural | Utilities Accounts Payable Public |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | | | Resources Div | Access area, WH Public Library display area, Walk-in Public Access at City Hall |
| | Public displays (e.g., kiosks, storyboards, posters, etc.) | 3 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | 2 schools, Project EAGLE |
| | Movie Theater Public Service Announcements (PSAs) | Numerous airings daily | City of Winter Haven / Natural Resources Div Files / Invoice | Joint program with City of Lakeland / Polk County Natural Resources/ and City of Winter Haven Natural Resources Division | 3 – 30 sec PSAs @ 2 Theaters before all movies; WH Grand 10 and Lakeside Village |
| | Radio or television Public Service Announcements (PSAs) | 2 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | School presentations: Number conducted | 6 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | School presentations: Number of participants | 143 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | School presentations: Number conducted | 1 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | School presentations: Number of participants | 30 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Seminars/Workshops/Meetings: Number conducted | 70 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Seminars/Workshops/Meetings: Number of participants | 1618 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Special events: Number conducted | 24 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Special events: Number of participants | 1618 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Special events: Number conducted | 4 | Lakes Education / | Lakes Education / | |

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|----------------------------------|--|--------------------------------|--|--|--|
| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Special events: Number of participants | | Action Drive Files | Action Drive | |
| | | 500 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Web Site: Number of visitors to the stormwater-related pages | ~400 annually | Lakes Education / Action Drive Files | Lakes Education / Action Drive | www.le-ad.org |
| Part III.A.7.f | Illicit Discharges and Improper Disposal — Oils, Toxics, and Household Hazardous Waste Control | | | | |
| | <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 | 95% | | | |
| | Household Chemical Collection Center Program: Amount of waste collected / recycled / properly disposed (tons) | Total = 4.24 tons | NPDES/Cycle 3 Year 3/ Incoming Data File | Public Services, Solid Waste Staff Joint event with Polk County Waste & Recycling Division | Batteries = 190 Chemicals = 705.25 Electronics = 3 Florescents = 108.50 Mercury Items = 0.13 Motor Oil = 440 Paint = 5,374.11 Tanks = 103.00 Televisions = 1,477 Total = 8,480.99 lbs = 4.24 tons |
| | Household Chemical Collection Center Program: Events | 1 | NPDES/Cycle 3 Year 3/ Incoming Data File | Public Services, Solid Waste Staff Joint event with Polk County | Event sponsored by Polk County – advertised by them |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Household Hazardous Waste Materials Guides distributed | | | Waste & Recycling Division | |
| | | 0 | | Public Services, Solid Waste Staff Joint event with Polk County Waste & Recycling Division | Distributed at event by Polk Co staff |
| | Brochures/Flyers/Fact sheets distributed | 12,791 | Special Clean Ups Documents | Utility Account Services and Public Services, Solid Waste Staff | Household Chemical Collection Center Program flyers sent out in water bill |
| | Brochures/Flyers/Fact sheets distributed | 93 | Fats, Oils and Grease (FOG) Program | Utility Department, Grease Trap Inspector, Steve Rheiner | |
| | Brochures/Flyers/Fact sheets distributed | 3,832 | NPDES Activities Tracking Log.xlsx | Natural Resources Div | Includes various materials |
| | Brochures/Flyers/Fact sheets distributed | 500+ | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Includes various materials |
| | Neighborhood presentations: Number conducted | 3 | NPDES Activities Tracking Log.xlsx | Natural Resources Div | |
| | Neighborhood presentations: Number of participants | 83 | NPDES Activities Tracking Log.xlsx | Natural Resources Div | |
| | Neighborhood presentations: Number conducted | 2 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Neighborhood presentations: Number of participants | 53 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Newsletter (Lakes LE/ADer): Number of articles published | 26 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Quarterly newsletter |
| | Newsletter (Lakes LE/ADer): Number of newsletters distributed | 2400 / annually | Lakes Education / Action Drive Files | Lakes Education / Action Drive | www.le-ad.org to view pdf(s) |
| | Newspaper (The Ledger): Number of notices published | 8 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | Ads run for litter clean up event |
| | Public displays (e.g., kiosks, storyboards, posters, etc.) | 4 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | Utilities Accounts Payable Public Access area, WH Public Library |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | | | | display area, Walk-in Public Access at City Hall, Lake Hartridge Nature Park message board |
| | Public displays (e.g., kiosks, storyboards, posters, etc.) | 3 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Movie Theater Public Service Announcements (PSAs) | Numerous airings daily | City of Winter Haven / Natural Resources Div Files / Invoice | Joint program with City of Lakeland / Polk County Natural Resources/ and City of Winter Haven Natural Resources Division | 3 – 30 sec PSAs @ 2 Theaters before all movies; WH Grand 10 and Lakeside Village |
| | Radio & Television Public Service Announcements (PSAs) | 2 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | School presentations: Number conducted | 6 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | School presentations: Number of participants | 143 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | School presentations: Number conducted | 1 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | School presentations: Number of participants | 30 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Seminars/Workshops/Meetings: Number conducted | 70 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Seminars/Workshops/Meetings: Number of participants | 1,093 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Special events: Number conducted | 24 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |
| | Special events: Number of participants | 1,618 | NPDES Activities Tracking Log.xlsx | City of Winter Haven/Natural Resources Div | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | Special events: Number conducted | 4 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Special events: Number of participants | 500 | Lakes Education / Action Drive Files | Lakes Education / Action Drive | |
| | Storm sewer inlets newly marked/replaced | 0 | Streets Work Logs | Streets Division/ Stormwater Crew | |
| | Web Site: Number of visitors to the stormwater-related pages | ~400 annually | Lakes Education / Action Drive Files | Lakes Education / Action Drive | www.le-ad.org |
| Part III.A.7.g | Illicit Discharges and Improper Disposal — Limitation of Sanitary Sewer Seepage | | | | |
| | <p>Annually review (and revise, as needed) and implement the permittee's written procedures to reduce or eliminate <u>sanitary wastewater contamination into the MS4</u>, 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. <u>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.</u></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><i>DEP Note: Report only the SSOs and inflow / infiltration incidents into the MS4.</i></p> | | | | |
| | Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer pipe inspected for infiltration (linear feet) | 26,990.1 | Daily Work Logs | Utility Services | |
| | Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer pipe sealed, lined, and / or replaced (linear feet) | 19,629 | Daily Work Logs of Utility Services | Miller Pipeline | |
| | Activity to reduce/eliminate SSOs and inflow / infiltration: Sanitary sewer line breaks repaired | 4 | Work Orders | Utility Services | |
| | Activity to reduce/eliminate SSOs and inflow / infiltration: Septic systems removed | 0 | Daily Work Logs | Utility Services | |
| | Activity to reduce/eliminate SSOs and inflow / infiltration: Emergency generator added | 0 | Daily Work Logs | Utility Services | |
| | SSO incidents discovered | 4 | Daily Work Logs | Utility Services | No discharge to MS4 |
| | SSO incidents resolved | 4 | Daily Work Logs | Utility Services | |
| | Inflow / infiltration incidents discovered | 4 | Daily Work Logs | Garner Construction | |
| | Inflow / infiltration incidents resolved | 4 | Daily Work Logs | Garner Construction | |
| | Name of owner of the sanitary sewer system | City of Winter Haven | | | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| Part III.A.8.a | Industrial and High-Risk Runoff — Identification of Priorities and Procedures for Inspections | | | | | |
| | <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"> • Operating municipal landfills; • Hazardous waste treatment, storage, disposal and recovery facilities; • Facilities that are subject to EPCRA Title III, Section 313 (also known as the Toxics Release Inventory (TRI) maintained by the U.S. EPA); and • 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. <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: The TRI is updated every spring / summer by the U.S. EPA at www.epa.gov/triexplorer. Select "Facility" on the left, chose your Geographic Location, and then select "Generate Report." Please indicate in Column F when (month / year) you last checked EPA's TRI for applicable facilities.</i></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: 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.</i></p> <p><i>DEP Note: 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.</i></p> | | | | | |
| | | Number of Facilities | Number of Inspections | For violations discovered during a high risk inspection | | |
| | | | | Fines issued | Notices of Violation (NOVs) / warning letters / citations issued | |
| | Total high risk facilities | 4 | | | Industrial Pretreatment Logs and Bi-Weekly Reports | Utility Services Dept., Chief Operator / Industrial |
| | | | | | | Borden Dairy, Blue Lake Citrus, Indian River Transport, and |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | | | | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| | | | | | | | Pretreatment, Terry Carver | Wal-Mart Distribution Center |
| | New high risk facilities added to the inventory during the current reporting period | 0 | | | | Industrial Pretreatment Logs and Bi-Weekly Reports | Utility Services Dept., Chief Operator / Industrial Pretreatment, Terry Carver | |
| | Operating municipal landfills | 0 | | | | | | |
| | Hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities | 0 | | | | | | |
| | EPCRA Title III, Section 313 facilities (that are not landfills or HWTSDR facilities) | 0 | | | | | | |
| | Facilities determined as high risk by the permittee through the proactive inspections as per Part III.A.7.c | 4 | 104 | 0 | 0 | Industrial Pretreatment Logs and Bi-Weekly Reports | Utility Services Dept., Chief Operator / Industrial Pretreatment, Terry Carver | Borden Dairy, Blue Lake Citrus, Indian River Transport, and Wal-Mart Distribution Center |
| | Other facilities determined as high risk by the permittee (that are <u>not</u> facilities identified through the proactive inspections) | 0 | | | | | | |
| Part III.A.8.b | Industrial and High-Risk Runoff — Monitoring for High Risk Industries | | | | | | | |
| | <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. 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.</p> <p><i>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.</i></p> | | | | | | | |
| | High risk facilities sampled | | | | | | | |
| | Borden Dairy, Blue Lake Citrus, Indian River Transport, Wal-Mart Distribution Center | | | | 4 | Industrial Pretreatment Logs and Bi-Weekly Reports | Utility Services Dept., Chief Operator / Industrial Pretreatment, Terry Carver | |
| Part | Construction Site Runoff — Site Planning and Non-Structural and Structural Best Management Practices | | | | | | | |

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| Permit Citation/ SWMP Element | Permit Requirement/Quantifiable SWMP Activity | Number of Activities Performed | Documentation / Record | Entity Performing the Activity | Comments |
| III.A.9.a | <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. Report the number of permittee and private pre-construction site plans reviewed for stormwater, erosion, and sedimentation controls, and the number approved.</p> <p><i>DEP Note: Please provide an explanation in Column F for any "0" reported in Column C.</i></p> | | | | |
| | PERMITTEE SITES: Construction site plans reviewed | 6 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| | PERMITTEE SITES: Construction site plans approved | 6 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| | PRIVATE SITES: Construction site plans reviewed | 21 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| | PRIVATE SITES: Construction site plans approved | 26 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| | <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 | 21 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |

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 |
| | Confirmed ERP coverage | 21 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| | Notified of CGP stormwater permit requirements | 21 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| | Confirmed CGP coverage | 21 | Technical Services, Building/Permitting Plan Review Logs and DRC List | Technical Services Division, City Engineer and Planning | The Technical Services Division tracks private and municipal plans / permits tracked together. |
| Part III.A.9.b | Construction Site Runoff — Inspection and Enforcement | | | | |
| | <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%, 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><i>DEP Note: Refer to Part III.A.9.b of the permit for what must be included in the construction site inspection program plan. Please provide the title of the attached plan in Column D and the name of the entity who finalized the plan in Column E.</i></p> | | | | |
| | PERMITTEE SITES: Active construction sites | 5 | DRC Tracking Log | Planning Division, Erin Tilghman | |
| | PERMITTEE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs | 723 | City of Winter Haven Field Inspection Report and Building Division Logs | Technical Services Division, Senior Staff Assistant, Felicia Nouami | The Technical Services Division tracks private and municipal construction site inspections |

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: Percentage of active construction sites inspected | | | | cumulatively |
| | | 100% | | | |
| | PRIVATE SITES: Active construction sites | 27 | DRC Tracking Log | Planning Division, Erin Tilghman | |
| | PRIVATE SITES: Inspections of active construction sites for proper stormwater, erosion and sedimentation BMPs | 435 | City of Winter Haven Field Inspection Report and Building Division Logs | Technical Services Division, Senior Staff Assistant, Felicia Nouami | The Technical Services Division tracks private and municipal construction site inspections cumulatively |
| | PRIVATE SITES: Percentage of active construction sites inspected | 100% | | | |
| | Red Tags issued | 0 | City of Winter Haven Field Inspection Report and Building Division Logs | Technical Services Division, Senior Staff Assistant, Felicia Nouami | The Technical Services Division tracks private and municipal construction site inspections cumulatively |
| | Notices of Violation (NOVs) issued | 0 | City of Winter Haven Field Inspection Report and Building Division Logs | Technical Services Division, Senior Staff Assistant, Felicia Nouami | The Technical Services Division tracks private and municipal construction site inspections cumulatively |
| | Stop Work Orders issued | 0 | City of Winter Haven Field Inspection Report and Building Division Logs | Technical Services Division, Senior Staff Assistant, Felicia Nouami | The Technical Services Division tracks private and municipal construction site inspections cumulatively |
| | Fines issued | 0 | City of Winter Haven Field Inspection Report and Building Division Logs | Technical Services Division, Senior Staff Assistant, Felicia Nouami | The Technical Services Division tracks private and municipal construction site inspections cumulatively |
| | Year 1 ONLY: Attach the written construction site inspection program plan | | | | |
| Part | Construction Site Runoff — Site Operator 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 |
| III.A.9.c | <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 <u>or under contract with</u> the permittee) and private persons involved in the site plan review, inspection or construction of stormwater management, erosion, and sedimentation controls. All inspectors 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 number and 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 persons trained by the permittee.</p> <p>DEP Note: If "0" is reported for any of these reporting items, please include in Column F an explanation of why training was not provided to / obtained by the permittee's staff and private persons during the applicable reporting year.</p> <p>DEP Note: The permittee should report only the number of staff and private persons (i.e., private construction site operators) trained / certified during the applicable reporting year, and then note in Column F the number of staff and private persons who were previously trained / certified. Private site operator training can include pre-construction meetings.</p> | | | | | | |
| | | Inspector Certification Training | Non-Inspector Initial Training (non-certification) | Refresher Training | | | |
| | Permittee construction site inspectors | 0 | 0 | 4 | Polk County FDEP Erosion & Sedimentation (E&S) Certification Training Course City of Winter Haven, Technical Services Documentation System City of Winter Haven, Natural Resources Documentation City of Winter Haven, Technical Services Documentation System | Polk County Natural Resources Division Natural Resources Division, Natural Resources Specialist, Mary Thornhill Technical Services Division, City Engineer and Planning | Countywide trainings scheduled periodically Pre-Construction Meetings held by Tech Svcs Div 5 existing: 3 existing (TS) 2 existing (NR) |
| | Permittee construction site plan reviewers | 0 | 0 | 2 | Polk County FDEP Erosion & | Polk County Natural | Countywide trainings |

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 |
| | | | | | | Sedimentation (E&S) Certification Training Course City of Winter Haven, Technical Services Documentation System | Resources Division Natural Resources Division, Natural Resources Specialist, Mary Thornhill Technical Services Division, City Engineer and Planning | scheduled periodically Pre-Construction Meetings held by Tech Svcs Div |
| | Permittee construction site operators | 0 | 0 | 0 | | | | City of Winter Haven uses contractors for construction projects |
| | Private construction site operators | 15 | 0 | 24 | | Polk County FDEP Erosion & Sedimentation (E&S) Certification Training Course City of Winter Haven, Natural Resources Documentation City of Winter Haven, Technical Services Documentation System | Polk County Natural Resources Division Natural Resources Division, Natural Resources Specialist, Mary Thornhill Technical Services Division, City Engineer and Planning | Countywide trainings scheduled periodically held by Polk County (I help instruct these classes) 23 Pre-Construction Meetings held by Tech Svcs Div |

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

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

| A. | Permit Citation/ SWMP Element | SWMP EVALUATION |
|----|--|---|
| | | |
| | Part II.A.1 Structural control inspection and maintenance | Strengths: Most work can be done by City's stormwater maintenance crew allowing for greater flexibility. |
| | | Weaknesses: Loss of personnel with historical knowledge base; quality of data in current GIS system is lacking much clarity, due to personnel shortages some routine inspection work has been put off to get more immediate issues dealt with. |
| | | SWMP Revisions to address deficiencies: Update GIS system with higher quality data to insure less dependence on historical knowledge is necessary and replace personnel as quickly as possible when vacancies occur. |
| | Part II.A.2 Significant redevelopment | Strengths: Good record keeping by Planning Division, progressive attitude of staff and desire of staff to see redevelopment occur in the best possible manner. Current land development code requires some stormwater treatment when state standards may provide exemptions. |
| | | Weaknesses: There are some standards in current Land Development Codes that need updating. |
| | | SWMP Revisions to address deficiencies: Update current Land Development Codes is under way. Continue to encourage progressive attitude toward land development. |
| | Part II.A.3 Roadways | Strengths: City's Streets Division maintenance crews work diligently to keep up with maintenance to insure discharge of pollutants in stormwater is minimized. City's street sweeping program is active. |
| | | Weaknesses: Switch to contracted street sweeping has been underway (level of service is different); quality of data in current GIS system is lacking. |
| | | SWMP Revisions to address deficiencies: Update GIS system with higher quality data to insure less dependence on historical knowledge is necessary. Continue to work with contractor to improve sweeping program. |
| | Part II.A.4 Flood control | Strengths: City personnel's efficiency and desire to improve our City's infrastructure. |
| | | Weaknesses: Current flood standards still allow additional stormwater runoff. |
| | | SWMP Revisions to address deficiencies: Review flood control standards. |
| | Part II.A.5 Waste TSD Facilities | Strengths: Employees with strong desire to do the right thing and be the best they can be. |
| | | Weaknesses: None at this time. |
| | | SWMP Revisions to address deficiencies: None at this time. |
| | Part II.A.6 Pesticide, herbicide, fertilizer application | Strengths: Parks and Grounds has a high level of competence with good training and expertise. Employee desire for excellence. |
| | | Weaknesses: None |
| | | SWMP Revisions to address deficiencies: None at this time. |

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

| | | |
|--|--|---|
| | Part II.A.7 Illicit Discharge Detection and Elimination | Strengths: Cooperation of City employees and citizens to report incidents to keep our water bodies from being harmed. Good training and information sharing. |
| | | Weaknesses: Haven't reached everyone yet. |
| | | SWMP Revisions to address deficiencies: Keep educating personnel and citizens, keep improving detection, reporting and response methods. |
| | Part II.A.8 High Risk Industry Runoff | Strengths: Cooperative efforts by City and County personnel. |
| | | Weaknesses: None at this time. |
| | | SWMP Revisions to address deficiencies: Continue public and internal education efforts. |
| | Part II.A.9 Construction Site Runoff | Strengths: Cooperation of City employees and citizens to report incidents to keep our water bodies from being harmed. Good training and information sharing. |
| | | Weaknesses: Continue education both with citizens, employees and contractors. |
| | | SWMP Revisions to address deficiencies: Continue with program and fill vacancies. Continue public education efforts. Continue internal and external education efforts. |

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

| | | |
|----|----------------------------------|---|
| A. | Permit Citation/ SWMP Element | Proposed Changes to the Stormwater Management Program Activities Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) — REQUIRES DEP APPROVAL PRIOR TO CHANGE IF PROPOSING TO REPLACE OR DELETE AN ACTIVITY. <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> |
| | NA | None at this time |
| | | |
| | | |
| B. | Permit Citation/ SWMP Element | Changes to the Stormwater Management Program Activities NOT Established as Specific Requirements Under Part III.A of the Permit (Including the Rationale for the Change) <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> |
| | NA | None at this time |
| | | |
| | | |

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 checked="" type="checkbox"/> | <input type="checkbox"/> | Part II.F | EACH ANNUAL REPORT: If program resources have decreased from the previous year, a discussion of the impacts on the implementation of the SWMP. | 001 | 001 CoWH Program Resource Change Report.doc |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.1 | EACH ANNUAL REPORT: An explanation of why the minimum inspection frequency in Table II.A.1.a was not met, if applicable. | 002 | 002 CoWH Minimum Inspection Report.doc |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.4 | EACH ANNUAL REPORT: 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"/> | <input checked="" type="checkbox"/> | Part III.A.7.a | EACH ANNUAL REPORT: A report on amendments / changes to the legal authority to control illicit discharges, connections, dumping, and spills, if applicable. | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part V.B.9 | EACH ANNUAL REPORT: Reporting and assessment of monitoring results. [Also addressed in Section III of the Annual Report Form] | 003 | 003 CoWH Monitoring Data Summary Report.doc |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part VI.B.2 | EACH ANNUAL REPORT: 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. | | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part VIII.B.3.e | EACH ANNUAL REPORT: A status report on the implementation of the requirements in this section of the permit and on the estimated load reductions that have occurred for the pollutant(s) of concern. | 004 | 004 CoWH Part 8B3e Annual Status Report.doc |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part VIII.B.4.f | EACH ANNUAL REPORT after approval of the BPCP: The status of the implementation of the Bacterial Pollution Control Plan (BPCP). | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.1 | YEAR 1: An inventory of all known major outfalls and a map depicting the location of the major outfalls (hard copy or CD-ROM). | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.3 | YEAR 1: If have curbs and gutters but no street sweeping program, an explanation of why no street sweeping program and the alternate BMPs used or planned. | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.6 | YEAR 1 or YEAR 2: A copy of the adopted Florida-friendly Ordinance, if applicable. | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.7.c | YEAR 1: A proactive illicit discharge / connection / dumping inspection program plan. | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.9.b | YEAR 1: A construction site inspection program plan. [For approval by DEP] | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.2 | YEAR 2: A summary report of a review of codes and regulations to reduce the stormwater impact from new development / redevelopment. | | |

| | | | | | |
|-------------------------------------|-------------------------------------|-----------------|--|-----|-----------------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part V.A.2 | YEAR 3: Estimates of annual pollutant loadings and EMCs, and a table comparing the current calculated loadings with those from the previous two Year 3 ARs. | 005 | 005 CoWH Pollutant Loading Report |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.2 | YEAR 4: A follow-up report on plan implementation of changes to codes and regulations to reduce the stormwater impact from new development / redevelopment. | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part V.A.3 | YEAR 4: If the total annual pollutant loadings have not decreased over the past two permit cycles, revisions to the SWMP, as appropriate. | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part V.B.3 | YEAR 4: The monitoring plan (with revisions, if applicable). | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part VII.C | YEAR 4: An application to renew the permit. | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part VIII.B.3.d | YEAR 4: A TMDL Implementation Plan / Supplemental SWMP. | | |

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

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

| Did not complete review of existing SOP / Plan | Developed <u>new</u> written SOP / Plan | Reviewed & <u>no revision needed</u> to existing SOP / Plan | Reviewed & <u>revised</u> existing SOP / Plan | Permit Citation | Description of Required SOPs / Plans |
|--|---|---|---|-----------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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"/> | <input checked="" type="checkbox"/> | <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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.3 | SOP for the litter control program. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.3 | SOP for the street sweeping program. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <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"/> | <input checked="" type="checkbox"/> | <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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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"/> | <input checked="" type="checkbox"/> | <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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.7.c | Plan for proactive illicit discharge / connections / dumping inspections.* |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.7.c | SOP for reactive illicit discharge / connections / dumping investigations. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.7.c | Plan for illicit discharge training. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.7.d | SOP for spill prevention and response efforts. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Part III.A.7.d | Plan for spill prevention and response training. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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"/> | <input checked="" type="checkbox"/> | 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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.7.g | SOP to reduce / eliminate sanitary wastewater contamination of the MS4. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.8 | SOP for inspections of high risk industrial facilities. |

| | | | | | |
|--------------------------|--------------------------|-------------------------------------|-------------------------------------|-----------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <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"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Part III.A.9.b | Plan for inspections of construction sites.* |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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.

BMAP

| REMINDER LIST OF THE TMDL / BMAP REPORTS TO BE SUBMITTED <u>SEPARATELY</u> FROM AN ANNUAL REPORT | | |
|--|---|----------|
| Rule / Permit Citation | Report Title | Due Date |
| Part VIII.B.3.a | 6 MONTHS from effective date of permit: TMDL Prioritization Report. | 3/12/12 |
| Part VIII.B.3.b | 12 MONTHS from effective date of permit: TMDL Monitoring and Assessment Plan. | 8/1/13 |
| Part VIII.B.3.c | 6 MONTHS from receiving analyses from the lab: TMDL Monitoring Report. | TBD |
| Part VIII.B.4 | 36 MONTHS from start date per TMDL Prioritization Report: A Bacterial Pollution Control Plan (BPCP). | TBD |

Reporting

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

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

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

City of Winter Haven
NPDES Permit # FLS000015-003 Annual Report
Cycle 3 Year 2 → October 01, 2013 through September 30, 2014
Program Resource Change Report

Section IV. Fiscal Analysis

Winter Haven's revenues for NPDES stormwater management fluctuates on a yearly basis due to changes in numbers of commercial and residential utilities accounts that exist during the given time frame. Winter Haven's expenditures for NPDES stormwater management fluctuate in response to projects that come to completion, are adapted or changed; and also in response to needed repairs, replacements or new areas of services during the given time frame. Implementation of the SWMP continues to move forward.

City of Winter Haven
NPDES Permit # FLS000015-003 Annual Report
Cycle 3 Year 2 → October 01, 2013 through September 30, 2014
Minimum Inspection Frequency Shortfall Report

Section VII. Stormwater Management Program (SWMP) Summary Table

Part III.A.1 Structural Controls and Stormwater Collection Systems Operation

Major Stormwater Outfalls

The NPDES Permit requires 100% of all major stormwater outfalls to be inspected within each reporting period. During this reporting period 76% were inspected. The deficiency in inspections is a result of previous personnel changes that led to a loss of historic knowledge and leadership. The Streets Division was extremely short staffed during the time period covered by this annual report. They were in a reactionary response mode in an attempt to handle necessary repairs and still manage as much maintenance as possible all of which is part of the multi-faceted responsibilities of the City of Winter Haven Streets Division. A scheduling system has been created that will help insure all inspections are up to date. This system has been put into action and should be fully functional for the next reporting period.

MS4 Pipes / Culverts

The NPDES Permit requires 10% of all MS4 pipes and culverts to be inspected within each reporting period. During this reporting period 1% of the MS4 pipes were inspected within the City of Winter Haven. The pipes inspected were done in response to issues that were discovered. The deficiency in inspections is a result of previous personnel changes that led to a loss of historic knowledge and leadership. The Streets Division was extremely short staffed during the time period covered by this annual report. They were in a reactionary response mode in an attempt to handle necessary repairs and still manage as much maintenance as possible all of which is part of the multi-faceted responsibilities of the City of Winter Haven Streets Division. A scheduling system has been created that will help insure all inspections are up to date. This system has been put into action and should be fully functional for the next reporting period.

City of Winter Haven
NPDES Permit # FLS000015-003 Annual Report
Cycle 3 Year 2 → October 01, 2013 through September 30, 2014
Additional Information and Non-Standard Answer Explanation Report

Section III.C. Monitoring Data Summary

Data from FDEP's Storet database for water samples taken 4 times a year on average from Winter Haven lakes was downloaded and a pivot table used to analyze the data for trends over a 5 year period from 2010 to 2014. Chlorophyll a, total nitrogen, total phosphorus, total suspended solids, trophic state index, and turbidity are all trending downward. Dissolved oxygen and Secchi disk measurements are trending upward. True color is trending upward over a 3 year period from 2012 to 2014. Submerged aquatic vegetation surveys demonstrate that many of our lakes contain healthy diverse populations of aquatic vegetation. During the reporting period 20 new raingardens were installed, street sweeping in the downtown area is conducted weekly while City wide street sweeping is conducted on a monthly basis. Lakeshore cleanup as well as maintenance projects and programs are conducted routinely as well as being enhanced by special events whenever possible. Public education is approached from many different avenues and more interaction is constantly being sought to improve knowledge. Gaining compliance and active participation of both businesses and citizens in the Winter Haven area concerning pollutant sources, pollution prevention and reporting is an overarching goal of many programs and projects that are done. Favorable trends shown by data analysis lend credence to the belief that programs being conducted are having a positive effect on the water quality in area lakes. Current programs will be continued and enhanced to continue the favorable trend that has been witnessed.

City of Winter Haven
NPDES Permit # FLS000015-003 Annual Report
Cycle 3 Year 2 → October 01, 2013 through September 30, 2014
Part VIII.B.3.e Status Report Requirement

Part VIII.B.3.a. TMDL Prioritization Report – completed and accepted by DEP on March 20, 2012.

The City of Winter Haven's top 5 TMDL lakes in priority order are: Lake Lulu, Lake Shipp, Lake May, Lake Howard and Lake Cannon.

This report will be revised in the near future to show target dates that are updated as soon as sampling has begun.

Part VIII.B.3.b. TMDL Monitoring and Assessment Plan – completed and submitted to DEP on May 3, 2013; acceptance of plan received December, 2014. Plan established the best location for major stormwater outfall (interconnect) monitoring to be done on Lake Lulu. Equipment has been purchased to do needed sampling. Installation is planned during April, 2015.

CITY OF WINTER HAVEN

Comparison of Pollutant Loadings for 1999, 2006, and 2014

Winter Haven Natural Resources Division

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Introduction:

The City of Winter Haven is required by the National Pollutant Discharge and Elimination System Municipal Separate Storm Sewer Systems (NPDES MS4) permit to assess an estimate of pollutant loadings for major outfalls or major watersheds. Due to the interconnectivity of stormwater systems in the City of Winter Haven the end analysis on pollutant loading is reported in terms of all major outfalls entering a water body, indicated by Water Body Identification Numbers (WBID) assigned by the State of Florida.

Accurately estimating pollutant loading is a key element of stormwater management for water quality. Doing so provides insight into how land use changes in the region effect potential nutrient loads, and allows stormwater managers to make informed decisions when applying Best Management Practices (BMPs), and when designing additional stormwater features. The City is working on a system to assess these changes and the addition of BMP's in near real time to incorporate into their overall stormwater management planning. This effort provides comparisons of snapshots from 1999, 2006, and 2014. This provide a valuable picture of pollutant loading through time and the effects changes in land use and BMPs can have in the local area. This information can be used as part of an adaptive management approach to stormwater inputs as well as surface water quality.

Study Area Identification:

The study area was identified by delineating watersheds that feed “major outfalls” as defined and inventoried in COMPONENT 1: STRUCTURAL CONTROLS AND STORMWATER SYSTEM OPERATION of the NPDES Permit. A digital elevation model was analyzed for flow direction and flow accumulation, the results of which were combined with GIS inventory data maintained by the City, of both stormwater inlets and stormwater pipes. The combination of this data was used to delineate the basins that feed the major outfalls identified by WBID. (Figure 1)

Land Use Determination:

This Major Outfall Basin overlay was used to select the underlying land use information provided by the South West Florida Water Management District (SWFWMD) “Florida Land Use Cover Classification” data for 1999, 2006, and 2011. The 2011 data was determined to be representative of existing land use for the purpose of this analysis. This was determined by evaluating SWFWMD

Comparison of Pollutant Loadings for 1999, 2006, and 2014

Environmental Resource Permits (ERPs) that have been constructed since 2011 within each of the Major Outfall Basins. The lack of land use change in this period is likely related to an economy in recession. A list of major land uses can be found in Table 1. Land use acreage was determined for each WBID for each study year.

Comparison of Pollutant Loadings for 1999, 2006, and 2014

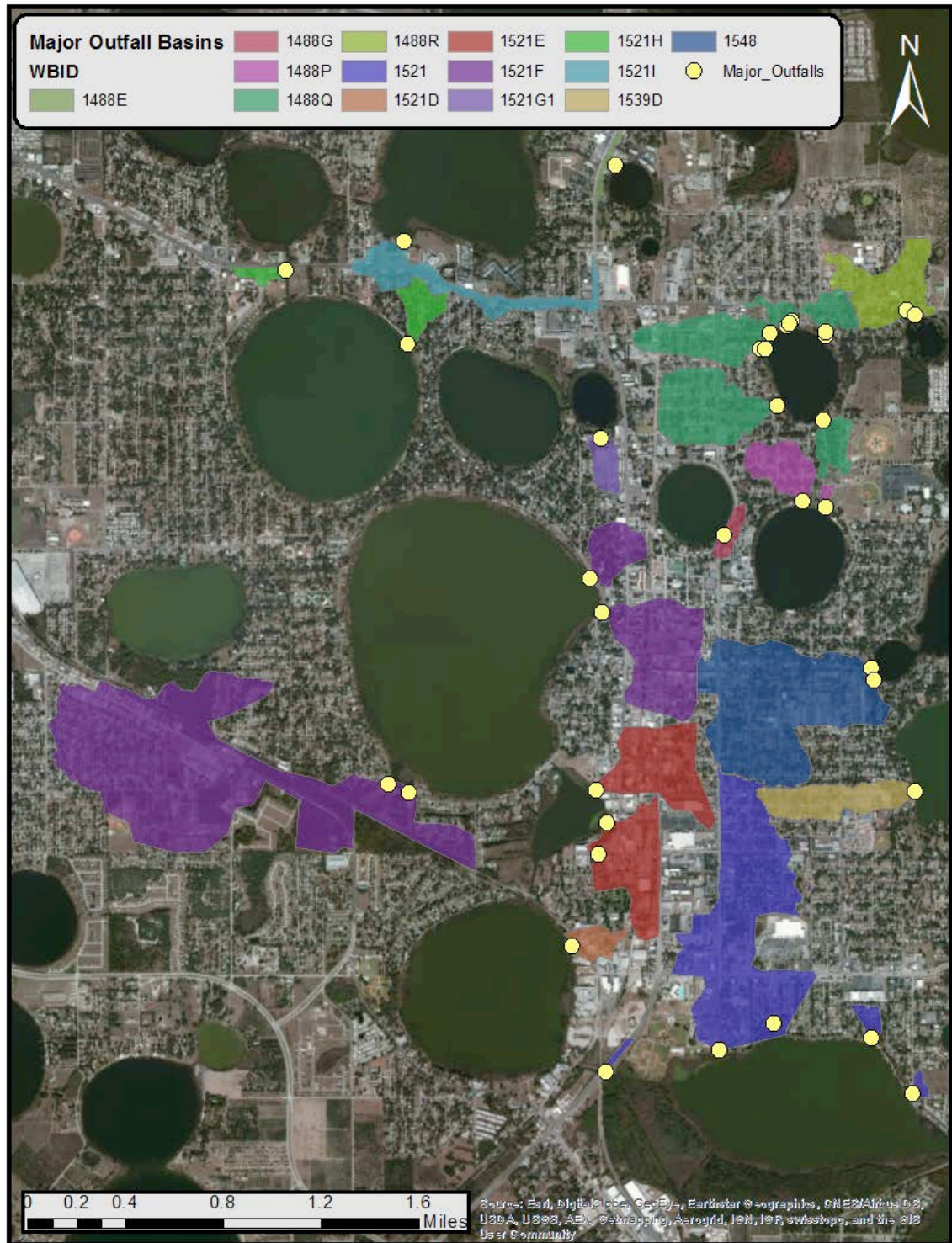


Figure 1: Major Outfall Basins Based on Digital Elevation Model hydrologic interpretations and City of Winter Haven Stormwater infrastructure database information.

Comparison of Pollutant Loadings for 1999, 2006, and 2014

| FLUCCCODE | FLUCSDISC |
|-----------|--|
| 1100 | RESIDENTIAL LOW DENSITY < 2 DWELLING UNITS |
| 1200 | RESIDENTIAL MED DENSITY 2->5 DWELLING UNIT |
| 1300 | RESIDENTIAL HIGH DENSITY |
| 1400 | COMMERCIAL AND SERVICES |
| 1500 | INDUSTRIAL |
| 1700 | INSTITUTIONAL |
| 1800 | RECREATIONAL |
| 1900 | OPEN LAND |
| 2200 | TREE CROPS |
| 2600 | OTHER OPEN LANDS <RURAL> |
| 5100 | STREAMS AND WATERWAYS |
| 5200 | LAKES |
| 5300 | RESERVOIRS |
| 6150 | STREAM AND LAKE SWAMPS (BOTTOMLAND) |
| 6300 | WETLAND FORESTED MIXED |
| 6410 | FRESHWATER MARSHES |
| 6430 | WET PRAIRIES |
| 6530 | INTERMITTENT PONDS |
| 8100 | TRANSPORTATION |
| 8200 | COMMUNICATIONS |
| 8300 | UTILITIES |

Table 1: Florida Land Use Cover Classification Codes used in determining land use of Major Outfall Basins

Pollutant Loading Estimates:

The pollutant loads were modeled for each Major Outfall Basin using the Environmental Protection Agency approved Simple Method (Schueler, 1987). The Simple Method provides annual load in pounds. The first step in estimating pollutant loading using the simple method is to determine the runoff coefficient, which was determined by using the percent impervious area associated with each land use based on the impervious area numbers provided by the Department of Environmental Protection (DEP) (Equation 1).

Equation 1:

$$R_v = 0.05 + 0.9 I_a$$

RV = Runoff coefficient

Ia = Impervious fraction

Once the runoff coefficient for each land use is determined it is multiplied by the acreage of area that land use covers as well as a number for average annual rainfall depth in inches, multiplied by the fraction of rainfall events that produce runoff about 90% (Equation 2). Rainfall was determined by using a number consistent with the rainfall number used by Polk County derived from the most complete rainfall data set in the area. Rainfall data from 1988 equaling 51.65 inches was determined to be a representative average rainfall year (AMEC Foster Wheeler Environment & Infrastructure, Inc., 2015).

Equation 2:

$$R = (P * P_j * R_v / 12) * A$$

R = Annual runoff (ac-ft/yr)

P = Annual rainfall depth (inches)

P_j = Fraction of rainfall events that produce runoff (normally equal 0.9)

A = Study area (acres)

Once the runoff volume is known for each land use in each WBID, the number is multiplied by the Event Mean Concentrations provided in the NPDES permit, "Florida-Based Event Mean Concentrations for Use in Estimating Stormwater Loadings July 2011", and a conversion factor (2.72) is applied to convert the final number to pounds per acre feet (Equation 3).

Equation 3:

$$L = 2.72 * R * C$$

L = Annual pollutant load (lbs/year)

C = Event mean concentration of the pollutant (mg/l)

2.72 = Conversion factor (mg/l -> lb/ac-ft)

Load Reduction Estimates:

Education:

The City of Winter Haven is involved in, and supports various outreach efforts to educate residents on the benefits of reducing pollutants in local watersheds. A five percent reduction for public education has been applied across the board (TN, TP, TSS, BOD, Cu, Zn) for the 2014 permit year.

Street Sweeping:

Since the 2006 permit cycle, the City has practiced street sweeping in varying capacities. Using multiple machines and both in house and contracted workers. For the 2014 permit year street sweeping was conducted by a contractor who provided information on the quantity of debris collected. This information was used in calculating nutrient removal as a part of the NPDES permit. TN and TP are the only pollutants addressed by that analysis, thus they are the only ones the reduction was applied to. Only about 85% of the street sweeping conducted in Winter Haven occurs in Major Outfall Basins, and the reduction applied to those WBIDs accounts for that coverage, as well as the frequency with which it is swept. The City chose not to apply a standard reduction for TSS, Cu, or Zn for this permit cycle.

Results:

Pollutant loads for each WBID are identified in Tables 2-4 and show a steady increase in pollutant loadings from 1999-2014 as land use in the watersheds has changed. Once estimates for load reductions are applied the pollutant loading rates decrease. From 2006 – 2014 a decrease in the amount of pollutant loading in 10 out of 14 WBIDs was observed, and reductions in the remaining WBIDs occurred but still resulted in an overall increase in the time frame.

Unaccounted for Reductions:

The City of Winter Haven has put a number of Best Management Practices (BMPs) in place since 1999 though they are not represented here. These include 3 major alum injection systems, 3 major stormwater parks, and 40+ raingardens. These all contribute to significant reductions in many of these Major Outfall Basins. The City is working to accurately incorporate existing BMPs into future pollutant load analysis, and likewise devising a system to accurately track this information as it expands in coming permit cycles.

Pollutant Load Estimates 1999 and 2006

| 1999 Pollutant Load Estimates lbs/year | | | | | | | |
|--|-------------------------|-------|------|--------|--------|-----|------|
| WBID | LAKE | TN | TP | BOD | TSS | TC | TZ |
| 1521 | LAKE LULU | 6407 | 988 | 30179 | 191200 | 51 | 348 |
| 1548 | LAKE ELBERT | 5033 | 730 | 19932 | 117889 | 45 | 233 |
| 1488E | LAKE IDA (WINTER HAVEN) | 23 | 3 | 114 | 776 | 0 | 2 |
| 1488G | LAKE SILVER | 10 | 1 | 35 | 209 | 0 | 0 |
| 1488P | LAKE MARTHA | 271 | 44 | 962 | 4305 | 2 | 8 |
| 1488Q | LAKE MAUDE | 4242 | 676 | 15625 | 73860 | 32 | 132 |
| 1488R | LAKE IDYL | 559 | 83 | 1944 | 10945 | 5 | 22 |
| 1521D | LAKE SHIPP | 72 | 13 | 422 | 2398 | 0 | 3 |
| 1521E | LAKE MAY | 4489 | 723 | 25860 | 157681 | 23 | 248 |
| 1521F | LAKE HOWARD | 49564 | 5960 | 156939 | 955217 | 251 | 1568 |
| 1521G1 | SPRING LAKE | 75 | 10 | 379 | 2566 | 1 | 5 |
| 1521H | LAKE CANNON | 106 | 17 | 374 | 1797 | 1 | 3 |
| 1521I | LAKE HARTRIDGE | 482 | 63 | 2314 | 15567 | 4 | 31 |
| 1539D | LAKE OTIS | 441 | 70 | 1551 | 7285 | 3 | 13 |

Table 2: 1999 Pollutant Load Estimations in lbs/year for each WBID's Major Outfall Basin's Land Use

| 2006 Pollutant Load Estimates lbs/year | | | | | | | |
|--|-------------------------|-------|------|--------|--------|-----|------|
| WBID | LAKE | TN | TP | BOD | TSS | TC | TZ |
| 1521 | LAKE LULU | 7435 | 1116 | 35867 | 231550 | 61 | 429 |
| 1548 | LAKE ELBERT | 4987 | 717 | 19866 | 119589 | 45 | 238 |
| 1488E | LAKE IDA (WINTER HAVEN) | 23 | 3 | 115 | 777 | 0 | 2 |
| 1488G | LAKE SILVER | 10 | 1 | 35 | 209 | 0 | 0 |
| 1488P | LAKE MARTHA | 272 | 44 | 963 | 4310 | 2 | 8 |
| 1488Q | LAKE MAUDE | 4312 | 685 | 15978 | 76219 | 33 | 137 |
| 1488R | LAKE IDYL | 562 | 83 | 1953 | 11016 | 5 | 22 |
| 1521D | LAKE SHIPP | 72 | 13 | 423 | 2401 | 0 | 3 |
| 1521E | LAKE MAY | 4512 | 726 | 25982 | 158488 | 23 | 250 |
| 1521F | LAKE HOWARD | 49689 | 5974 | 157362 | 958102 | 251 | 1572 |
| 1521G1 | SPRING LAKE | 75 | 10 | 380 | 2569 | 1 | 5 |
| 1521H | LAKE CANNON | 106 | 17 | 375 | 1807 | 1 | 3 |
| 1521I | LAKE HARTRIDGE | 488 | 64 | 2390 | 16264 | 5 | 33 |
| 1539D | LAKE OTIS | 441 | 70 | 1552 | 7292 | 3 | 13 |

Table 3: 2006 Pollutant Load Estimations in lbs/year for Each WBID's Major Outfall Basin's Land Use

Pollutant Load Estimates Less Reduction 2014

| 2014 Pollutant Load Estimates Less Reductions lbs/year | | | | | | | |
|--|-------------------------|-------|------|--------|---------|-----|------|
| WBID | LAKE | TN | TP | BOD | TSS | TC | TZ |
| 1521 | LAKE LULU | 7492 | 1111 | 36408 | 237280 | 63 | 443 |
| 1548 | LAKE ELBERT | 4745 | 682 | 18909 | 113836 | 43 | 227 |
| 1488E | LAKE IDA (WINTER HAVEN) | 21 | 3 | 109 | 738 | 0 | 1 |
| 1488G | LAKE SILVER | 11 | 1 | 37 | 281 | 0 | 1 |
| 1488P | LAKE MARTHA | 261 | 42 | 924 | 4135 | 2 | 7 |
| 1488Q | LAKE MAUDE | 4097 | 651 | 15179 | 72408 | 31 | 130 |
| 1488R | LAKE IDYL | 535 | 79 | 1858 | 10477 | 5 | 21 |
| 1521D | LAKE SHIPP | 69 | 12 | 402 | 2284 | 0 | 3 |
| 1521E | LAKE MAY | 4271 | 687 | 24588 | 149996 | 22 | 236 |
| 1521F | LAKE HOWARD | 63221 | 6616 | 174005 | 1062446 | 246 | 1557 |
| 1521G1 | SPRING LAKE | 71 | 10 | 361 | 2441 | 1 | 5 |
| 1521H | LAKE CANNON | 101 | 16 | 356 | 1716 | 1 | 3 |
| 1521I | LAKE HARTRIDGE | 589 | 71 | 2272 | 15292 | 4 | 28 |
| 1539D | LAKE OTIS | 388 | 61 | 1367 | 6467 | 3 | 12 |

Table 4: 2014 Pollutant Load Estimation With Reductions in lbs/year for Each WBID Major Outfall Basin's Land Use

Works Cited

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