



**N.C. Division of Energy, Mineral and Land Resources
(DEMLR)**

**Stormwater Management
Program Assessment**

512 N.Salisbury Street , Raleigh NC 27604

Contained In this Report

- Permit Number : NCS000460

Town of Knightdale

Permit Number: NCS000460

Report Number: NCS000460_2018

County: Wake

Region: Raleigh

2018

Background Information

SW100010	<u>APPLICANT STATUS INFORMATION</u>
SW100020	Name of Public Entity Seeking Permit Coverage <u>Town of Knightdale</u>
SW100060	Jurisdictional Area (square miles) <u>6.19</u>
SW100070	Population Permanent <u>11401</u>
SW100080	Population Seasonal (if available)
SW100110	<u>RPE / MS4 SYSTEM INFORMATION</u>
SW100120	Storm Sewer Service Area (square miles) <u>6.19</u>
SW100130	River Basin(s) <u>1-Neuse</u>
SW100150	Estimated percentage of jurisdictional area containing the following four land use activities
SW100160	Residential <u>25</u>
SW100170	Commercial <u>5</u>
SW100180	Industrial <u>5</u>
SW100190	Open Space <u>65</u>
SW100210	Do you have an inventory of storm water inlets, pipes, ditches, and open channels? <u>No</u>
SW100220	Do you know how many outfalls your city discharges to and where they are located? <u>No</u>
SW100260	<u>EXISTING LOCAL WATER QUALITY PROGRAMS</u>

SW100270	"Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know the various uses of your receiving waters so you can design a program to protect those uses. Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. "
SW100280	River Basin
SW100283	Program 1
SW100290	Receiving Stream Name <u>Beaver Dam Creek</u>
SW100300	Stream Segment ---
SW100310	Water Quality Classification <u>C:NSW</u>
SW100320	Use Support Rating
SW100325	TMDL <u>No</u>
SW100331	Program 2
SW100332	Receiving Stream Name <u>Milburnie Creek</u>
SW100333	Stream Segment ---
SW100334	Water Quality Classification <u>C:NSW</u>
SW100335	Use Support Rating
SW100336	TMDL <u>No</u>
SW100337	Program 3
SW100338	Receiving Stream Name <u>Mango Creek</u>
SW100339	Stream Segment ---
SW10033A	Water Quality Classification <u>C:NSW</u>

SW10033B	Use Support Rating
SW10033C	TMDL <u>No</u>
SW10033D	Program 4
SW100400	Your river basin table should list the primary streams that receive stormwater runoff from the MS4 jurisdictional area. Primary streams are those that are shown on a USGS topo maps or SCS map. Streams that are shown on the USGS or SCS maps but do not have a name shall be listed as an unnamed tributary to the nearest named downstream receiving water body.
SW10033E	Receiving Stream Name <u>Poplar Creek</u>
SW10033F	Stream Segment <u>---</u>
SW10033G	Water Quality Classification <u>C;NSW</u>
SW10033H	Use Support Rating
SW10033I	TMDL <u>No</u>
SW100340	Local Nutrient Sensitive Waters Strategy <u>No</u>
SW100350	Local Water Supply Watershed Program <u>No</u>
SW100360	Delegated Erosion and Sediment Control Program <u>No</u>
SW100370	CAMA Land Use Plan <u>No</u>
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html
SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html
SW100490	<u>CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)</u>
SW100500	Do you co-permit with a permitted Phase I entity? <u>No</u>
SW100510	If so, provide the name of that entity:

SW100550	Other Entity ---
SW100560	Have legal agreements been finalized between the co-permittees? <u>No</u>
SW100570	<u>RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS</u>
SW100580	Do you intend that another entity perform one or more of your permit obligations? <u>Yes</u>
SW100590	If yes, identify each entity and the element they will be implementing
SW100600	Name of Entity <u>Wake County</u>
SW100610	Element they will implement <u>Construction Site Runoff Controls</u>
SW100620	Contact Person <u>Karen Pageau</u>
SW100630	Contact Address <u>336 Fayetteville Street</u>
SW100640	Contact Telephone Number <u>919.796.8769</u>
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
SW100660	<u>PERMITS AND CONSTRUCTION APPROVALS</u>
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee <u>NCS000460 NPDES Phase II permit issued 9/12/2005</u>
SW100920	<u>MS4 CONTACT INFORMATION</u>
SW100930	Provide the following information for the person/position that will be responsible for day to day implementation and oversight of the stormwater program.
SW100940	Name <u>Phillip Bunton</u>
SW100950	Title <u>Public Works Director</u>
SW100960	Street Address <u>950 Steeple Square Court</u>
SW100970	PO Box ---

SW100980	City <u>Knightsdale</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>27545</u>
SW101010	Telephone <u>919.217.2250</u>
SW101020	Fax <u>919.217.2249</u>
SW101030	E-Mail <u>phillip.bunton@knightsdalenc.gov</u>
SW101040	"Permittee's Website" <u>www.knightsdalenc.gov</u>
SW101050	<u>BMPs</u>
SW101060	Do you plan to add any new BMPs? <u>No</u>
SW101070	Do you plan to amend any existing BMPs? <u>No</u>
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. If further space is needed, attach additional sheets.

Information specifically regarding the permit

SW101460 Permitting Information

SW101490 Does the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into the structure of the permittee's organization?
Yes

Co-Permitting Information

SW101570 Contract Operations

SW101630 Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)?
No

Root Cause : Best Management Practice is not current

Public Education and Outreach

SW101690	Public Education and Outreach
SW101700	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW101710	Does the Stormwater Management Program identify the target audiences likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>To be identified in permit renewal</u>
SW101720	Does the Stormwater Management Program identify what target pollutant sources the permittee's public education program is designed to address and why those sources are an issue? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>To be identified in permit renewal</u>
SW101730	Does the Stormwater Management Program describe the permittee's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans to inform individuals and groups on how to become involved in the storm water program)? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Town has taken steps to improve its stormwater resources/outreach through its website.</u>
SW101750	Has the permittee develop general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program. <u>Yes</u>
SW101760	Does general stormwater educational material include information on the following topics:
SW101770	Household Hazardous Waste <u>Yes</u>
SW101780	Pet Waste <u>Yes</u>
SW101790	Septic Systems <u>Yes</u>
SW101800	Lawn and Gardening <u>Yes</u>
SW101810	Vehicle Washing <u>Yes</u>
SW101820	Erosion <u>Yes</u>

SW101830	Stream Buffers <u>Yes</u>
SW101840	Flooding <u>Yes</u>
SW101850	Litter <u>Yes</u>
SW101860	List any additional topics not identified above. ---
SW101870	Does the permitteenulls outreach program include:
SW101880	Distributing printed educational material to general public through utility mail outs? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means of publishing information such as the town's website.</u> Comments: <u>Most information posted on permittee's website.</u>
SW101890	Distributing printed educational material to general public through special events (i.e., Information booth at festivals and fairs)? <u>Yes</u>
SW101900	Distributing printed educational material to business / industry? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information.</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? <u>Yes</u>
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information such as the town's website.</u>
SW101950	Posters? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information such as the town's website.</u>

SW101960	Storm drain stenciling <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information such as the town's website.</u>
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information such as the town's website.</u>
SW101980	Workshops <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information such as the town's website.</u>
SW101990	Stream basin signage? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means for publishing information such as the town's website.</u>
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u>
SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u>
SW102060	Classroom Outreach
SW102070	The number of educational materials distributed to schools. <u>0</u>
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities. <u>0</u>
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. <u>0</u>
SW102100	The number of workshops held for teachers. <u>0</u>
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education. <u>0</u>
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. <u>0</u>
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets

SW102150	The number of stormwater related displays at special events or meetings. <u>0</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>0</u>
SW102170	Number of new homeowner welcome packets containing storm-water-related information. <u>0</u>
SW102180	The number of signs and billboards with stormwater related messages. <u>0</u>
SW102190	The number of stormwater related presentations at special events or meetings. <u>0</u>
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. <u>0</u>
SW102220	The number of businesses trained under the stormwater program. <u>0</u>
SW102310	Pet Waste Management
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods. <u>10</u>
SW102330	The number of dog-walking designated areas in parks. <u>1</u>
SW102340	The number of posters/brochures put up in pet supply stores. <u>0</u>
SW102350	The number of educational materials given out to pet owners. <u>0</u>
SW102360	Promotional Giveaways
SW102370	The number of items given out. <u>0</u>
SW102380	The number of events attended (to give out items). <u>0</u>
SW102390	The number of partnerships for promotions (radio, TV, Businesses). <u>0</u>
SW102400	Proper Disposal of Household Hazardous Waste

SW102410	The number of household hazardous waste curbside pickup days. <u>0</u> Comments: <u>Town of Knightdale does not perform curbside pick up for hazardous waste.</u>
SW102420	The number of educational materials distributed to homeowners. <u>0</u>
SW102430	The number of partnerships established with businesses. <u>0</u>
SW102440	Outreach Programs to Minority and Disadvantaged
SW102450	The number of brochures/posters created in non-English languages. <u>0</u>
SW102460	The number of educational materials distributed in non-English languages. <u>0</u>
SW102470	The number of partnerships established with minority organizations. <u>0</u>
SW102480	The number of educational materials distributed to low-income neighborhoods. <u>0</u>
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods. <u>0</u>
SW102540	Using the Media
SW102550	The number of public service announcements made on radio and TV. <u>100</u> Comments: <u>Town used alternate means Twitter, Facebook, Instagram, nextdoor</u>
SW102560	The number of stormwater related press releases/advertising. <u>100</u>
SW102570	The number of stormwater related articles published. <u>0</u>
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. <u>1</u>
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bills. <u>unknown</u>
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. <u>0</u>

Public Involvement and Participation

SW102620	Public Involvement and Participation
SW102630	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>Yes</u></p>
SW102640	<p>Does the Stormwater Management Program identify the target audiences of the permitteenulls public involvement program, including a description of the types of ethnic and economic groups engaged?</p> <p><u>Yes</u></p>
SW102650	<p>Permittee are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.</p>
SW102660	<p>Does the Stormwater Management Program describe how the permittee will involve the public in the development and implementation of the permittee's storm water management program and the types of public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups?</p> <p><u>No</u></p> <p>Root Cause : <u>Appropriate review and follow-up of self-assessments/inspections execution and results are not conducted</u></p> <p>Plan of Action: <u>Town is working to improve outreach beginning with contacting HOA's about stormwater devices.</u></p>
SW102670	<p>Has the permittee provided for the means to involve the public in the development and implementation of the permittee's storm water management program through:</p>
SW102680	<p>Public Hearings, stakeholder meetings, or other meetings?</p> <p><u>Yes</u></p>
SW102690	<p>A Stormwater Steering Committee (or similar advisory group)?</p> <p><u>Yes</u></p> <p>Comments: <u>Town holds monthly Planning and Engineering committee that covers stormwater related issues</u></p>
SW102700	<p>Stream clean-up events?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Work with HOA's adjacent to creek basins to implement clean up days.</u></p>
SW102710	<p>Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Assess feasibility of the programs.</u></p>
SW102720	<p>Reforestation programs or wetland planting programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Assess feasibility of the programs.</u></p>

SW102730	A stormwater hotline? <u>Yes</u>
SW102740	Volunteer monitoring programs? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Assess feasibility of the programs.</u>
SW102750	Storm drain stenciling? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means of publishing information such as the town's website.</u>
SW102760	Encourage neighborhood coordinators to become active in the program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Knightdale is currently reaching out to HOA's.</u>
SW102770	Regional workshops? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Assess feasibility of the programs.</u>
SW102780	Telephone/Web/Mall surveys? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Rely on alternate means of publishing information such as the town's website.</u>
SW102790	Working with citizen volunteers willing to educate others about the program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Assess feasibility of the programs.</u>
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail programs. <u>0</u>
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons). <u>0</u>
SW102860	Surveys
SW102870	The number of citizens solicited to complete surveys. <u>0</u>
SW102880	The number of completed surveys. <u>0</u>

SW102890	Hotlines
SW102900	The number of calls received by a hotline(s). <u>0</u>
SW102910	The number of problems/incidents remedied as a result of hotline calls. <u>0</u>
SW102920	Reforestation Programs
SW102930	The number of volunteer tree planters. <u>0</u>
SW102940	The number of trees planted. <u>0</u>
SW102950	The number of acres planted with trees. <u>0</u>
SW102960	Public Hearings, stakeholder meetings, or other meetings
SW102970	The number of meetings held. <u>0</u>
SW102980	The number of attendees. <u>0</u>
SW102990	The number of actions taken as a result of stakeholder meetings. <u>0</u>
SW103000	Storm Drain Stenciling
SW103010	The percent of drains stenciled. <u>0</u>
SW103020	The number of stenciling volunteers. <u>0</u>
SW103030	The number of drains stenciled. <u>0</u>
SW103040	Stream Cleanup
SW103050	The number of stream cleanups. <u>0</u>
SW103060	The number of cleanup participants. <u>0</u>
SW103070	The quantity of waste collected as a result of cleanup efforts (in tons). <u>0</u>

SW103080	The number of stream miles cleaned. <u>0</u>
SW103090	Volunteer Monitoring
SW103100	The number of volunteers participating in monitoring programs. <u>0</u>
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Quarterly and A-annually). <u>0</u>
SW103120	The number of volunteer monitoring stations established in the watershed. <u>0</u>
SW103130	The number of volunteer monitoring training sessions held. <u>0</u>
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers. <u>0</u>
SW103150	Wetland Plantings
SW103160	The acres of land planted. <u>0</u>
SW103170	The number of volunteers that participated in planting. <u>0</u>
SW103180	The number of planting events held. <u>0</u>

Illicit Discharge Detection and Elimination

SW103190	<u>Illicit Discharge Detection and Elimination</u>
SW103200	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>---</u>
SW103210	Stormwater Map
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters? <u>Yes</u>
SW103260	Does stormwater mapping include drainage areas? <u>Yes</u>
SW103270	Does stormwater mapping include receiving streams? <u>Yes</u>
SW103280	Does stormwater infrastructure mapping include outfalls? <u>Yes</u>
SW103290	Estimated or actual number of outfalls. <u>unknown</u>
SW103300	Does stormwater infrastructure mapping include sewer pipes? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>City of Raleigh maintains GIS data for sewer lines.</u>
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other structural BMPs)? <u>Yes</u>
SW103320	Estimated or actual number of structural BMPs? <u>95</u>
SW103330	Percent of outfall mapping complete. <u>0%</u>
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism? <u>Yes</u>
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented? <u>Yes</u>

SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Train town personnel to identify illicit discharge during daily inspections.</u>
SW103370	The permittee must implement an inspection program to detect dry weather flows at system outfalls and, at a minimum, must address the following:
SW103380	Procedures for locating priority areas.
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permittee will use to detect the location of the source.
SW103400	Procedures for removing the source of the illicit discharge.
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.
SW103420	Does the Stormwater Management Program address the following categories of non storm water discharges or flows (i.e., illicit discharges) only if permittee identify them as significant contributors of pollutants to the permitteenulls small MS4: <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Assess feasibility of the programs.</u>
SW103430	landscape irrigation;
SW103440	water line flushing;
SW103450	diverted stream flows;
SW103460	uncontaminated groundwater infiltration;
SW103470	discharges from potable water sources;
SW103480	air conditioning condensate (commercial/residential);
SW103490	springs;
SW103500	footing drains;
SW103510	residential and charity car washing;
SW103520	dechlorinated swimming pool discharges;
SW103530	rising groundwaters;
SW103540	uncontaminated pumped groundwater;
SW103550	foundation drains;
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);
SW103570	water from crawl space pumps;

SW103580	lawn watering;
SW103590	flows from riparian habitats and wetlands;
SW103600	street wash water;
SW103610	flows from emergency fire fighting.
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharges that will not be addressed as illicit discharges.
SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).
SW103640	Does the Stormwater Management Program document local controls or conditions placed on discharges and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u>
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? <u>Yes</u>

SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls? <u>Yes</u>
SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illicit discharge cross connections between sanitary and storm sewers? <u>Yes</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Not Applicable</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? <u>Yes</u>
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. <u>0</u>
SW103870	The number of illicit connections reported by citizens. <u>0</u>
SW103880	The number of illicit connections found. <u>0</u>
SW103890	The number of illicit connections repaired/replaced. <u>0</u>
SW103900	The number of illicit connection referrals. <u>0</u>
SW103910	Illegal Dumping
SW103930	The number of illegal dumps reported by citizens. <u>0</u>
SW103940	The number of penalties enforced upon the participants of illegal dumps. <u>0</u>
SW103950	The number of illegal dump or sit-out clean-ups completed. <u>0</u>
SW103970	Industrial or Business Connections
SW103980	The number of dry weather tests/inspections completed. <u>0</u>
SW103990	The number of high-risk connections prioritized. <u>0</u>
SW104000	The number of illicit connections reported by employees or businesses. <u>0</u>

SW104010	The number of illicit connections found.	<u>0</u>
SW104020	The number of illicit connections repaired/replaced.	<u>0</u>
SW104030	Recreational Sewage	
SW104040	The number of pump-out stations.	<u>0</u>
SW104050	The number of no-discharge areas created.	<u>0</u>
SW104060	The number of new signs added to inform users of dumping policies and alternatives.	<u>0</u>
SW104070	The number of enforced cases of recreational dumping.	<u>0</u>
SW104080	The number of citizen complaints made reporting illegal action.	<u>0</u>
SW104090	Sanitary Sewer Overflows (SSO)	
SW104100	The number of overflows reported.	<u>0</u>
SW104110	The number of overflow causes that were identified during inspections.	<u>0</u>
SW104120	The number of sites repaired.	<u>0</u>
SW104130	Wastewater Connections to the Storm Drain System	
SW104140	The number of rerouted connections.	<u>0</u>
SW104150	The number of dry weather monitoring activities performed.	<u>0</u>
SW104160	The number of unwarranted connections reported.	<u>0</u>
SW104170	The number of unwarranted connections found.	<u>0</u>
SW104180	The number of unwarranted connections repaired/replaced.	<u>0</u>

Construction Site Stormwater Runoff Control

SW104190	<p><u>Construction Site Stormwater Runoff Control</u></p>
SW104200	<p>Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development? (If no, go to SW104220)</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW104210	<p>If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development, than the NCDENR Division of Land Resources Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development.</p>
SW104220	<p>Does the permittee rely on a locally delegated program to meet the minimum measure for private development requirements? (If no, go to SW104300)</p> <p><u>Yes</u></p> <p>Comments: <u>Wake County administers erosion and sediment control program for the town.</u></p>
SW104230	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random inspections of local land disturbing activities that have a sediment and erosion control permit, issued by local government?</p> <p><u>Yes</u></p>
SW104250	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are not in compliance with their sediment and erosion control permits to the local government?</p> <p><u>Yes</u></p>
SW104260	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved concerns to the local government?</p> <p><u>Yes</u></p>
SW104270	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of unresolved concerns reported to the local government?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW104300	<p>Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for private development? (If no go to SW104450)</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW104310	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>Yes</u></p>

SW104320	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to require erosion and sediment controls at construction sites and why the permittee chose that mechanism? <u>Yes</u>
SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and a schedule to do so.
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans, which incorporate consideration of potential water quality impacts? <u>Yes</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance? <u>Yes</u>
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such a stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection? <u>Yes</u>
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts? <u>Yes</u>
SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality? <u>Yes</u>
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>---</u>
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.
SW104470	Staff Training and Certification
SW104480	The number of training and certification programs offered to staff. <u>1</u>
SW104490	The number of trained staff inspectors. <u>0</u>

SW104500	The number of certified staff inspectors. <u>0</u>
SW104510	The number of certified contractors by permittee. <u>0</u>
SW104520	Inspection and Enforcement
SW104530	The number of plans reviewed greater than one acre. <u>7</u>
SW104590	The number of enforcement actions or NOVs taken. <u>unknown</u>

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	<p><u>Post-Construction Storm Water Management in New Development and Redevelopment</u></p>
SW104900	<p>Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>Yes</u></p>
SW104910	<p>Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects?</p> <p><u>Yes</u></p>
SW104920	<p>The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulated public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.</p>
SW104930	<p>Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs?</p> <p><u>Yes</u></p>
SW104940	<p>Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities.</p> <p><u>Yes</u></p>
SW105000	<p>Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW105010	<p>Do new development and redevelopment codes allow for the following:</p>
SW105020	<p>Bioretention basins?</p> <p><u>Yes</u></p>
SW105030	<p>Alternative pavers?</p> <p><u>Yes</u></p>
SW105040	<p>Buffer zones?</p> <p><u>Yes</u></p>
SW105050	<p>Dry ponds?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: ---</p>
SW105060	<p>Wet ponds?</p> <p><u>Yes</u></p>

SW105070	Alternatives to curb and gutter? <u>Yes</u>
SW105080	Grass swales? <u>Yes</u>
SW105090	Grassed filter strips? <u>Yes</u>
SW105100	Green parking lots? <u>Yes</u>
SW105110	In-line storage systems? <u>Yes</u>
SW105120	Infiltration basins? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>---</u>
SW105130	Infiltration trenches? <u>Yes</u>
SW105140	Manufactured products installed in storm water inlets? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>---</u>
SW105150	Developments and redevelopments that use narrow streets? <u>Yes</u>
SW105160	On-lot treatment? <u>Yes</u>
SW105170	Open space design? <u>Yes</u>
SW105180	Sand and organic filters? <u>Yes</u>
SW105190	Porous pavement? <u>Yes</u>
SW105200	Stormwater wetlands? <u>Yes</u>
SW105210	Urban forestry? <u>Yes</u>

SW105220	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No wastewater treatment facilities in Knightdale.</u>
SW105230	Does the Stormwater Management Program provide training for staff and developers/builders? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>---</u>
SW105260	BMP Inspection and maintenance
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional? <u>Yes</u>
SW105280	The number of BMP inspections and/or maintenance activities. <u>5</u>
SW105290	The number of problems that were identified and remedied. <u>4</u>
SW105300	New Development and Redevelopment BMP Summary
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater control. <u>10</u>
SW105550	Evaluation of Post-construction Stormwater Management Program Measures
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equal or exceed the stormwater management and water quality protection provided by the following model practices:
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project? <u>Yes</u>
SW105580	Do projects permitted as a low density projects meet the following criteria: <u>Yes</u>
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
SW105610	Are projects permitted as high density projects meet the following requirements: <u>Yes</u>
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;

SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A NCAC 2H .1008(c);
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans? <u>Yes</u>
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters? <u>Yes</u>
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Not a requirement of Phase II permit.</u>
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Not a requirement of Phase II permit.</u>
SW105710	Additional Requirements for Nutrient Sensitive Waters
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Not a requirement of Phase II permit.</u>
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Not a requirement of Phase II permit.</u>

In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement.

Pollution Prevention/Good Housekeeping for Municipal Operations

SW105750	<u>Pollution Prevention/Good Housekeeping</u>
SW105760	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Assess feasibility of programs.</u>
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.
SW105790	Municipal Operations include:
SW105800	Transfer Station <u>No</u>
SW105810	Fleet Maintenance <u>Yes</u>
SW105820	Airport <u>No</u>
SW105830	Animal Shelters <u>No</u>
SW105840	Waste Water Treatment Plan <u>No</u>
SW105850	Water Plants <u>No</u>
SW105860	Construction Debris Site <u>Yes</u>
SW105870	Transit Authority <u>No</u>
SW105880	Public Works Operations <u>Yes</u>
SW105890	Prisons <u>No</u>
SW105900	Emergency Service Facilities <u>Yes</u>

SW105910	Fire Stations <u>Yes</u>
SW105920	Landfills <u>No</u>
SW105930	Schools <u>Yes</u>
SW105940	Parks <u>Yes</u>
SW105950	Waste Recycling Centers <u>No</u>
SW105960	Vehicle Maintenance Operations <u>Yes</u>
SW105970	Vehicle Wash Operations <u>Yes</u>
SW105980	Pump Stations or Lift Stations <u>Yes</u>
SW105990	Other: ---
SW106000	In addition to conducting staff training on stormwater pollution prevention and good housekeeping procedures, does the Stormwater Management Program describe any government employee training program the permittee will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW106010	Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---
SW106030	Does the Stormwater Management Program describe maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the permittee's MS4? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: ---

SW106050	<p>Does the Stormwater Management Program describe the permittee's procedures for the proper disposal of waste removed from the permittee's MS4 and the permittee's municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW106110	Industrial Activities
SW106120	<p>Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW106130	<p>Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring reports required by the Phase I permit, and the results of inspections and subsequent follow-up actions at the facilities.</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW106160	<p>Does the permittee have a Used Oil Recycling Program?</p> <p><u>Yes</u></p>
SW106170	<p>Does the permittee have a street sweeping program?</p> <p><u>Yes</u></p>
SW106180	<p>Does the permittee have a program to clean catch basins, storm lines, and ditches?</p> <p><u>Yes</u></p>
SW106190	<p>Does the permittee review fertilizer and pesticide use programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW106200	<p>Does the permittee have spill prevention plans at city facilities?</p> <p><u>Yes</u></p>
SW106210	City Facilities Inspections
SW106220	<p>Does the permittee inspect vehicle washing fueling, storage and maintenance areas?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>
SW106230	<p>Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: ---</p>

SW106240	Does the permittee inspect stormwater outfalls? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>---</u>
SW106250	Does the permittee inspect culverts? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>---</u>
SW106260	Does the permittee inspect swales/ditches? <u>Yes</u>
SW106270	Does the permittee inspect catch basins, inlets, and grates? <u>Yes</u>
SW106280	Does the permittee inspect MS4 pipes? <u>Yes</u>
SW106290	Does the permittee inspect solid and hazardous waste management facilities and recycling centers? <u>Not Applicable</u>
SW106300	Does the permittee inspect animal shelters and pounds? <u>Not Applicable</u>
SW106310	Does the permittee inspect parking lots? <u>Yes</u>
SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u>
SW106330	The number of inspections conducted. <u>0</u>
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities. <u>3</u>
SW106420	The number of sites rewarded as being a "clean site" under a rewards program. <u>0</u>
SW106430	The number of spills reported. <u>0</u>
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-related businesses. <u>0</u>
SW106450	Hazardous Materials Storage

SW106460	The total number of storage facilities equipped to store hazardous materials. <u>1</u>
SW106470	The number of regularly inspected storage units. <u>0</u>
SW106480	The number of employees trained in hazardous material storage and maintenance. <u>0</u>
SW106490	Illegal Dumping
SW106500	The number of "no dumping" signs posted. <u>0</u>
SW106510	The number of educational materials distributed. <u>0</u>
SW106520	The number of reports of illegal dumping received. <u>0</u>
SW106530	The number of dump sites and/or illegal sit-outs cleaned up. <u>0</u>
SW106540	The number of sites improved to eliminate as target dumping spots. <u>0</u>
SW106550	The number of enforcement actions pertaining to illegal dumping. <u>0</u>
SW106560	Landscape and Lawn Care, and Pest Control
SW106570	The number of stores/gardens participating in education programs. <u>0</u>
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest management techniques. <u>0</u>
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. <u>0</u>
SW106610	The number of municipal employees trained in integrated pest management. <u>0</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. <u>unknown</u>
SW106640	The number of scheduled parking lot and/or road cleanings. <u>6</u>
SW106650	Pet Waste

SW106660	The number of dog parks.	<u>1</u>
SW106670	The number of "pooper-scooper" stations installed	<u>10</u>
SW106680	The number of educational materials distributed.	<u>0</u>
SW106690	Road Salt Application and Storage	
SW106700	The number of storage facilities included in a regular inspection and maintenance program.	<u>0</u>
SW106710	The number of employees trained in road salt application.	<u>4</u>
SW106720	The quantity of salt applied to roadways (in tons).	<u>unknown</u>
SW106730	The quantity of alternative products used (in tons).	<u>unknown</u>
SW106800	Spill Response and Prevention	
SW106810	The number of leak detection devices installed at municipal facilities.	<u>0</u>
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment.	<u>0</u>
SW106830	The number of personnel trained in spill response.	<u>0</u>
SW106840	The number of regularly inspected high-risk facilities.	<u>0</u>
SW106850	The number of educational materials distributed to municipal employees.	<u>0</u>
SW106860	Storm Drain System Cleaning	
SW106870	The number of outfalls cleaned regularly.	<u>0</u>
SW106880	The number of storm drains cleaned regularly.	<u>0</u>
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons).	<u>unknown</u>
SW106900	Used Oil Recycling	

SW106910	The number of gallons of used oil collected from municipal operations. <u>unknown</u>
SW106920	The number of recycling facilities that collect oil from municipal operations. <u>1</u>
SW106930	The number of educational materials distributed to municipal employees. <u>0</u>
SW106940	Vehicle Washing
SW106950	The number of educational materials distributed to municipal employees. <u>0</u>
SW106960	The number of designated municipal vehicle washing areas. <u>0</u>

Program Accomplishments

SW106970 **Staff and Capital Improvement Projects**

SW106980 The number of staffed stormwater management position(s).
1

SW106990 The number of new stormwater management position(s) created or staffed for the reporting year.
0

SW107000 Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year.
4,000

SW107010 The number of Capital Improvement Projects planned.
2

SW107020 The number of Capital Improvement Projects active.
1

SW107030 The number of Capital Improvement Projects completed.
0

SW107040 Total annual budget for Capital Improvement Projects for the reporting year.
0

Ordinance, Legal or Regulatory Authority

SW107050 **Ordinance, Legal or Regulatory Authority**

SW107060 Illicit Discharge Detection & Elimination
Adopted

SW107070 Erosion & Sediment Control
Not Applicable

SW107080 Post-Development Stormwater Management
Adopted

SW107090 Stormwater Ordinance
Adopted

SW107100 Unified Development Ordinance
Adopted

SW107110 Flood Damage Protection Ordinance
Adopted

SW107120 Other:
Not Applicable

SW107130 Other:
Not Applicable

SW107140 Other:
Not Applicable



**N.C. Division of Energy, Mineral and Land Resources
(DEMLR)**

**Stormwater Management
Program Assessment**

512 N.Salisbury Street , Raleigh NC 27604

Contained In this Report

- Permit Number : NCS000460

Town of Knightdale

Permit Number: NCS000460

Report Number: NCS000460_2019

County: Wake

Region: Raleigh

2019

Background Information

SW100010

APPLICANT STATUS INFORMATION

SW100020

Name of Public Entity Seeking Permit Coverage

Town of Knightdale

SW100060

Jurisdictional Area (square miles)

6.19

SW100070

Population Permanent

11,401

Comments: From 2010 Census. Estimated 16,753
https://www.knightdalenc.gov/sites/default/files/uploads/qfds2019_011519.pdf

SW100080

Population Seasonal (if available)

N/A

SW100110

RPE / MS4 SYSTEM INFORMATION

SW100120

Storm Sewer Service Area (square miles)

6.19

SW100130

River Basin(s)

1 - Neuse

SW100150

Estimated percentage of jurisdictional area containing the following four land use activities

SW100160

Residential

25

SW100170

Commercial

5

SW100180

Industrial

5

SW100190

Open Space

65

SW100210

Do you have an inventory of storm water inlets, pipes, ditches, and open channels?

Yes

SW100220

Do you know how many outfalls your city discharges to and where they are located?

Yes

SW100260

EXISTING LOCAL WATER QUALITY PROGRAMS

SW100270	"Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know the various uses of your receiving waters so you can design a program to protect those uses. Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. "
SW100280	River Basin
SW100283	Program 1
SW100290	Receiving Stream Name <u>Neuse River</u>
SW100300	Stream Segment <u>27-(22.5)b,c</u>
SW100310	Water Quality Classification <u>C:NSW</u>
SW100320	Use Support Rating
SW100325	TMDL <u>Yes</u>
SW100331	Program 2
SW100332	Receiving Stream Name <u>Beaver Dam Creek</u>
SW100333	Stream Segment <u>27-29</u>
SW100334	Water Quality Classification <u>C:NSW</u>
SW100335	Use Support Rating
SW100336	TMDL <u>No</u>
SW100337	Program 3
SW100338	Receiving Stream Name <u>Milburnie Creek</u>
SW100339	Stream Segment <u>27-31</u>
SW10033A	Water Quality Classification <u>C:NSW</u>

SW10033B	Use Support Rating
SW10033C	TMDL <u>No</u>
SW10033D	Program 4
SW100400	Your river basin table should list the primary streams that receive stormwater runoff from the MS4 jurisdictional area. Primary streams are those that are shown on a USGS topo maps or SCS map. Streams that are shown on the USGS or SCS maps but do not have a name shall be listed as an unnamed tributary to the nearest named downstream receiving water body.
SW10033E	Receiving Stream Name <u>Mango/Mingo Creek</u>
SW10033F	Stream Segment <u>27-32</u>
SW10033G	Water Quality Classification <u>C;NSW</u>
SW10033H	Use Support Rating
SW10033I	TMDL <u>Yes</u>
SW100340	Local Nutrient Sensitive Waters Strategy <u>Yes</u> Comments: https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed_Planning/Neuse_River_Basin/Neuse_01_RWP/Neuse%2001%20RWP%20Fact%20Sheet%20201609.pdf https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Services/Watershed_Planning/Neuse_River_Basin/Wake_Johnston_Collaborative/WJC%20LWP%20Preliminary%20Findings%20Report%20FINAL.pdf
SW100350	Local Water Supply Watershed Program <u>No</u>
SW100360	Delegated Erosion and Sediment Control Program <u>Yes</u>
SW100370	CAMA Land Use Plan <u>No</u>
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html
SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html

SW100490 **CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)**

SW100500 Do you co-permit with a permitted Phase I entity?

No

SW100510 If so, provide the name of that entity:

SW100550 Other Entity

N/A

SW100560 Have legal agreements been finalized between the co-permittees?

No

SW100570 **RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS**

SW100580 Do you intend that another entity perform one or more of your permit obligations?

Yes

SW100590 If yes, identify each entity and the element they will be implementing

SW100600 Name of Entity

Wake County

SW100610 Element they will implement

Construction Site Runoff Controls

SW100620 Contact Person

Karyn Pageau

SW100630 Contact Address

336 Fayetteville Street

SW100640 Contact Telephone Number

919.796.8769

SW100650 Are legal agreements in place to establish responsibilities?

Yes

SW100660 **PERMITS AND CONSTRUCTION APPROVALS**

SW100700 State or NPDES Stormwater Permit Number (s) issued to the permittee

PERMIT NO. NCS000460 issued 2/20/17

SW100920 **MS4 CONTACT INFORMATION**

SW100930 Provide the following information for the person/position that will be responsible for day to day implementation and oversight of the stormwater program.

SW100940 Name

Phillip Bunton

SW100950 Title

Public Works Director

SW100960	Street Address <u>950 Steeple Square Court</u>
SW100970	PO Box <u>N/A</u>
SW100980	City <u>Knightdale</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>27545</u>
SW101010	Telephone <u>919.217.2250</u>
SW101020	Fax <u>919.217.2249</u>
SW101030	E-Mail <u>phillip.bunton@knightdalenc.gov</u>
SW101040	"Permittee's Website" <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW101050	<u>BMPs</u>
SW101060	Do you plan to add any new BMPs? <u>No</u>
SW101070	Do you plan to amend any existing BMPs? <u>No</u>
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. If further space is needed, attach additional sheets.

Information specifically regarding the permit

SW101460 Permitting Information

SW101490 Does the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into the structure of the permittee's organization?
Yes

Co-Permitting Information

SW101570 Contract Operations

SW101630 Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)?
No

Root Cause : Best Management Practice is not current

Public Education and Outreach

SW101690	Public Education and Outreach
SW101700	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Frequency of BMP and implementation schedule not included in the current SWMP. Will amend next permit cycle.</u></p>
SW101710	<p>Does the Stormwater Management Program identify the target audiences likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected?</p> <p><u>Yes</u></p>
SW101720	<p>Does the Stormwater Management Program identify what target pollutant sources the permittee's public education program is designed to address and why those sources are an issue?</p> <p><u>Yes</u></p>
SW101730	<p>Does the Stormwater Management Program describe the permittee's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans to inform individuals and groups on how to become involved in the storm water program?</p> <p><u>Yes</u></p>
SW101750	<p>Has the permittee develop general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program.</p> <p><u>Yes</u></p> <p>Comments: <u>Clean Water Education Partnership (CWEP) is contracted to provide Public Education and Outreach and has developed educational materials.</u></p>
SW101760	Does general stormwater educational material include information on the following topics:
SW101770	Household Hazardous Waste <u>Yes</u>
SW101780	Pet Waste <u>Yes</u>
SW101790	Septic Systems <u>Yes</u>
SW101800	Lawn and Gardening <u>Yes</u>
SW101810	Vehicle Washing <u>Yes</u>
SW101820	Erosion <u>Yes</u>

SW101830	Stream Buffers <u>Yes</u>
SW101840	Flooding <u>Yes</u>
SW101850	Litter <u>Yes</u>
SW101860	List any additional topics not identified above. <u>N/A</u>
SW101870	Does the permitteenulls outreach program include:
SW101880	Distributing printed educational material to general public through utility mail outs? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Town of Knightdale (TOK) and the CWEP have websites where educational material is presented. These alternate means will be relied upon.</u>
SW101890	Distributing printed educational material to general public through special events (i.e., Information booth at festivals and fairs)? <u>Yes</u>
SW101900	Distributing printed educational material to business / industry? <u>Yes</u> Comments: <u>TOK performed 20 inspections of properties with SCMs in 2019 and mailed 20 letters to SCM owners detailing annual inspection requirements and general stormwater information.</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? <u>Yes</u>
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK and the CWEP have websites where educational material is presented. These alternate means will be relied upon.</u>
SW101960	Storm drain stenciling <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with stenciling in the future.</u>

SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>CWEP provides educational programming.</u>
SW101980	Workshops <u>Yes</u>
SW101990	Stream basin signage? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with stream basin signage in the future.</u>
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u> Comments: <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u> Comments: <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW102060	Classroom Outreach
SW102070	The number of educational materials distributed to schools. <u>65</u> Comments: <u>65 sets of educational materials were provided students (high school and elementary).</u>
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities. <u>2</u> Comments: <u>Knightdale High School students were trained to educate Forestville Elementary School students about stormwater.</u>
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. <u>63</u> Comments: <u>18 high school students were trained and 45 elementary school students were reached.</u>
SW102100	The number of workshops held for teachers. <u>0</u>
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education. <u>0</u>
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. <u>0</u>
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets

SW102150	The number of stormwater related displays at special events or meetings. <u>2</u> Comments: <u>Fourth of July and Easter Egg Hunt events.</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>unk</u> Comments: <u>Not counted, but will record for future events.</u>
SW102170	Number of new homeowner welcome packets containing storm-water-related information. <u>0</u>
SW102180	The number of signs and billboards with stormwater related messages. <u>0</u>
SW102190	The number of stormwater related presentations at special events or meetings. <u>0</u>
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. <u>20</u> Comments: <u>TOK performed 20 inspections of properties with SCMs in 2019 and mailed 20 letters to SCM owners detailing annual inspection requirements and general stormwater information.</u>
SW102220	The number of businesses trained under the stormwater program. <u>0</u>
SW102310	Pet Waste Management
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods. <u>3</u>
SW102330	The number of dog-walking designated areas in parks. <u>0</u>
SW102340	The number of posters/brochures put up in pet supply stores. <u>0</u>
SW102350	The number of educational materials given out to pet owners. <u>0</u>
SW102360	Promotional Giveaways
SW102370	The number of items given out. <u>0</u>
SW102380	The number of events attended (to give out items). <u>0</u>
SW102390	The number of partnerships for promotions (radio, TV, Businesses). <u>0</u>

SW102400	Proper Disposal of Household Hazardous Waste
SW102410	The number of household hazardous waste curbside pickup days. <u>0</u> Comments: <u>TOK does not perform curbside pick up for hazardous waste.</u>
SW102420	The number of educational materials distributed to homeowners. <u>0</u>
SW102430	The number of partnerships established with businesses. <u>0</u>
SW102440	Outreach Programs to Minority and Disadvantaged
SW102450	The number of brochures/posters created in non-English languages. <u>0</u>
SW102460	The number of educational materials distributed in non-English languages. <u>10</u> Comments: <u>CWEP advertised in the Spanish-language newspaper La Noticia once weekly for 10 months. This quarter-page ad highlighted the importance of picking up pet waste for stormwater pollution prevention, as well as general stormwater education.</u>
SW102470	The number of partnerships established with minority organizations. <u>0</u>
SW102480	The number of educational materials distributed to low-income neighborhoods. <u>0</u>
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods. <u>0</u>
SW102540	Using the Media
SW102550	The number of public service announcements made on radio and TV. <u>91,787</u> Comments: <u>CWEP produces a cinema campaign, a Spectrum digital campaign, a digital CBC campaign, a broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 91,787 impressions for TOK in FY 2019.</u>
SW102560	The number of stormwater related press releases/advertising. <u>unk</u> Comments: <u>CWEP produces a cinema campaign, a Spectrum digital campaign, a digital CBC campaign, a broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 91,787 impressions for TOK in FY 2019.</u>
SW102570	The number of stormwater related articles published. <u>0</u>
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. <u>0</u>

SW102600 The number of water conservation or stormwater related utility inserts that are distributed with utility bills.
0

SW102610 A survey of homeowners about their water conservation behavior before and after the message is delivered.
0

Public Involvement and Participation

SW102620	Public Involvement and Participation
SW102630	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP. The SWMP will be updated during the next permit cycle.</u></p>
SW102640	<p>Does the Stormwater Management Program identify the target audiences of the permitteenulls public involvement program, including a description of the types of ethnic and economic groups engaged?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>The SWMP will be updated during the next permit cycle.</u></p>
SW102650	<p>Permittee are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.</p>
SW102660	<p>Does the Stormwater Management Program describe how the permittee will involve the public in the development and implementation of the permittee's storm water management program and the types of public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups?</p> <p><u>Yes</u></p>
SW102670	<p>Has the permittee provided for the means to involve the public in the development and implementation of the permittee's storm water management program through:</p>
SW102680	<p>Public Hearings, stakeholder meetings, or other meetings?</p> <p><u>Yes</u></p>
SW102690	<p>A Stormwater Steering Committee (or similar advisory group)?</p> <p><u>Yes</u></p> <p>Comments: <u>TOK holds monthly Planning and Engineering committee that covers stormwater related issues. A Stormwater Steering Committee was created, but disbanded to lack of participation and events.</u></p>
SW102700	<p>Stream clean-up events?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with stream cleanups in the future.</u></p>
SW102710	<p>Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?</p> <p><u>Yes</u></p>
SW102720	<p>Reforestation programs or wetland planting programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with reforestation or wetland planting programs in the future.</u></p>

SW102730	A stormwater hotline? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Hotline creation in progress.</u>
SW102740	Volunteer monitoring programs? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with volunteer monitoring programs in the future.</u>
SW102750	Storm drain stenciling? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with stenciling in the future.</u>
SW102760	Encourage neighborhood coordinators to become active in the program? <u>Yes</u>
SW102770	Regional workshops? <u>Yes</u> Comments: <u>CWEP provides workshops.</u>
SW102780	Telephone/Web/Mall surveys? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with public surveys in the future.</u>
SW102790	Working with citizen volunteers willing to educate others about the program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with volunteer education in the future.</u>
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail programs. <u>1</u> Comments: <u>1 Adopt-a-trail program with 4 corporate sponsors.</u>
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons). <u>1</u> Comments: <u>Adopt-a-trail program removed less than 1 ton of trash and debris.</u>
SW102860	Surveys
SW102870	The number of citizens solicited to complete surveys. <u>0</u>

SW102880	The number of completed surveys. <u>0</u>
SW102890	Hotlines
SW102900	The number of calls received by a hotline(s). <u>0</u>
SW102910	The number of problems/incidents remedied as a result of hotline calls. <u>0</u>
SW102920	Reforestation Programs
SW102930	The number of volunteer tree planters. <u>0</u>
SW102940	The number of trees planted. <u>0</u>
SW102950	The number of acres planted with trees. <u>0</u>
SW102960	Public Hearings, stakeholder meetings, or other meetings
SW102970	The number of meetings held. <u>0</u>
SW102980	The number of attendees. <u>0</u>
SW102990	The number of actions taken as a result of stakeholder meetings. <u>0</u>
SW103000	Storm Drain Stenciling
SW103010	The percent of drains stenciled. <u>0</u>
SW103020	The number of stenciling volunteers. <u>0</u>
SW103030	The number of drains stenciled. <u>0</u>
SW103040	Stream Cleanup
SW103050	The number of stream cleanups. <u>0</u>
SW103060	The number of cleanup participants. <u>0</u>

SW103070	The quantity of waste collected as a result of cleanup efforts (in tons). <u>0</u>
SW103080	The number of stream miles cleaned. <u>0</u>
SW103090	Volunteer Monitoring
SW103100	The number of volunteers participating in monitoring programs. <u>0</u>
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Quarterly and A-annually). <u>0</u>
SW103120	The number of volunteer monitoring stations established in the watershed. <u>0</u>
SW103130	The number of volunteer monitoring training sessions held. <u>0</u>
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers. <u>0</u>
SW103150	Wetland Plantings
SW103160	The acres of land planted. <u>0</u>
SW103170	The number of volunteers that participated in planting. <u>0</u>
SW103180	The number of planting events held. <u>0</u>

Illicit Discharge Detection and Elimination

SW103190	<u>Illicit Discharge Detection and Elimination</u>
SW103200	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>IDDE program under development.</u>
SW103210	Stormwater Map
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters? <u>Yes</u>
SW103260	Does stormwater mapping include drainage areas? <u>No</u> Root Cause : <u>Best Management Practice is not current</u> Plan of Action: <u>Map under development.</u>
SW103270	Does stormwater mapping include receiving streams? <u>Yes</u>
SW103280	Does stormwater infrastructure mapping include outfalls? <u>Yes</u>
SW103290	Estimated or actual number of outfalls. <u>80</u>
SW103300	Does stormwater infrastructure mapping include sewer pipes? <u>Yes</u>
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other structural BMPs)? <u>Yes</u>
SW103320	Estimated or actual number of structural BMPs? <u>88</u> Comments: <u>Includes level spreaders.</u>
SW103330	Percent of outfall mapping complete. <u>80</u>
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism? <u>Yes</u>
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented? <u>Yes</u>

SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program under development.</u>
SW103370	The permittee must implement an inspection program to detect dry weather flows at system outfalls and, at a minimum, must address the following:
SW103380	Procedures for locating priority areas.
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permittee will use to detect the location of the source.
SW103400	Procedures for removing the source of the illicit discharge.
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.
SW103420	Does the Stormwater Management Program address the following categories of non storm water discharges or flows (i.e., illicit discharges) only if permittee identify them as significant contributors of pollutants to the permitteenulls small MS4: <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Non-stormwater discharges will be evaluated in next permit.</u>
SW103430	landscape irrigation;
SW103440	water line flushing;
SW103450	diverted stream flows;
SW103460	uncontaminated groundwater infiltration;
SW103470	discharges from potable water sources;
SW103480	air conditioning condensate (commercial/residential);
SW103490	springs;
SW103500	footing drains;
SW103510	residential and charity car washing;
SW103520	dechlorinated swimming pool discharges;
SW103530	rising groundwaters;
SW103540	uncontaminated pumped groundwater;
SW103550	foundation drains;
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);
SW103570	water from crawl space pumps;

SW103580	lawn watering;
SW103590	flows from riparian habitats and wetlands;
SW103600	street wash water;
SW103610	flows from emergency fire fighting.
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharges that will not be addressed as illicit discharges.
SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).
SW103640	<p>Does the Stormwater Management Program document local controls or conditions placed on discharges and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Non-stormwater discharges will be evaluated in next permit.</u></p>
SW103650	<p>In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE program under development.</u></p>
SW103700	<p>Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE program under development.</u></p>
SW103710	<p>Does the Stormwater Management Program establish an illicit discharge management tracking system?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE program under development.</u></p>
SW103720	<p>Does the Stormwater Management Program establish a stormwater incident response program?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE program under development.</u></p>
SW103730	<p>Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution?</p> <p><u>Yes</u></p> <p>Comments: <u>CWEP provides educational materials on behalf of TOK.</u></p>

SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls? <u>Yes</u>
SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illicit discharge cross connections between sanitary and storm sewers? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program under development.</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Not Applicable</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program under development.</u>
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. <u>0</u>
SW103870	The number of illicit connections reported by citizens. <u>0</u>
SW103880	The number of illicit connections found. <u>1</u> Comments: <u>On Forest Drive in TOK, a sediment stockpile was discovered that was contributing sediment to a stream. The issue is currently being resolved.</u>
SW103890	The number of illicit connections repaired/replaced. <u>0</u>
SW103900	The number of illicit connection referrals. <u>0</u>
SW103910	Illegal Dumping
SW103930	The number of illegal dumps reported by citizens. <u>0</u>
SW103940	The number of penalties enforced upon the participants of illegal dumps. <u>0</u>
SW103950	The number of illegal dump or sit-out clean-ups completed. <u>1</u> Comments: <u>Non-citizen reported and investigated by TOK Police.</u>

SW103970	Industrial or Business Connections
SW103980	The number of dry weather tests/inspections completed. <u>0</u>
SW103990	The number of high-risk connections prioritized. <u>0</u>
SW104000	The number of illicit connections reported by employees or businesses. <u>0</u>
SW104010	The number of illicit connections found. <u>0</u>
SW104020	The number of illicit connections repaired/replaced. <u>0</u>
SW104030	Recreational Sewage
SW104040	The number of pump-out stations. <u>0</u>
SW104050	The number of no-discharge areas created. <u>0</u>
SW104060	The number of new signs added to inform users of dumping policies and alternatives. <u>0</u>
SW104070	The number of enforced cases of recreational dumping. <u>0</u>
SW104080	The number of citizen complaints made reporting illegal action. <u>0</u>
SW104090	Sanitary Sewer Overflows (SSO)
SW104100	The number of overflows reported. <u>0</u>
SW104110	The number of overflow causes that were identified during inspections. <u>0</u>
SW104120	The number of sites repaired. <u>0</u>
SW104130	Wastewater Connections to the Storm Drain System
SW104140	The number of rerouted connections. <u>0</u>
SW104150	The number of dry weather monitoring activities performed. <u>0</u>

SW104160	The number of unwarranted connections reported. <u>0</u>
SW104170	The number of unwarranted connections found. <u>0</u>
SW104180	The number of unwarranted connections repaired/replaced. <u>0</u>

Construction Site Stormwater Runoff Control

SW104190	<p><u>Construction Site Stormwater Runoff Control</u></p>
SW104200	<p>Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development? (If no, go to SW104220)</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u></p>
SW104210	<p>If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development, than the NCDENR Division of Land Resources Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development.</p>
SW104220	<p>Does the permittee rely on a locally delegated program to meet the minimum measure for private development requirements? (If no, go to SW104300)</p> <p><u>Yes</u></p> <p>Comments: <u>Wake County provides Construction Site Stormwater Runoff Control.</u></p>
SW104230	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random inspections of local land disturbing activities that have a sediment and erosion control permit, issued by local government?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u></p>
SW104250	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are not in compliance with their sediment and erosion control permits to the local government?</p> <p><u>Yes</u></p>
SW104260	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved concerns to the local government?</p> <p><u>Yes</u></p>
SW104270	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of unresolved concerns reported to the local government?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u></p>
SW104300	<p>Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for private development? (If no go to SW104450)</p> <p><u>Yes</u></p>
SW104310	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u></p>

SW104320	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to require erosion and sediment controls at construction sites and why the permittee chose that mechanism? <u>Yes</u>
SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and a schedule to do so.
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans, which incorporate consideration of potential water quality impacts? <u>Yes</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance? <u>Yes</u> Comments: <u>Refers to ordinance.</u>
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such a stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u>
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts? <u>Yes</u>
SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality? <u>Yes</u>
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Hotline to be established.</u>
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.
SW104470	Staff Training and Certification

SW104480 The number of training and certification programs offered to staff.

1

Comments: DOT Level 1 Certification offered to staff.

SW104490 The number of trained staff inspectors.

1

SW104500 The number of certified staff inspectors.

0

SW104510 The number of certified contractors by permittee.

0

SW104520 Inspection and Enforcement

SW104530 The number of plans reviewed greater than one acre.

14

Comments: 8 subdivisions and 6 commercial sites reviewed in CY 2019.

SW104590 The number of enforcement actions or NOVs taken.

1

Comments: 1 delivered though Wake County as Construction S&EC.

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	<p><u>Post-Construction Storm Water Management in New Development and Redevelopment</u></p>
SW104900	<p>Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>Yes</u></p>
SW104910	<p>Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects?</p> <p><u>Yes</u></p>
SW104920	<p>The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulated public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.</p>
SW104930	<p>Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs?</p> <p><u>Yes</u></p>
SW104940	<p>Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities.</p> <p><u>Yes</u></p>
SW105000	<p>Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>SWMP will be updated during next permit cycle.</u></p>
SW105010	<p>Do new development and redevelopment codes allow for the following:</p>
SW105020	<p>Bioretention basins?</p> <p><u>Yes</u></p>
SW105030	<p>Alternative pavers?</p> <p><u>Yes</u></p>
SW105040	<p>Buffer zones?</p> <p><u>Yes</u></p>
SW105050	<p>Dry ponds?</p> <p><u>Yes</u></p>
SW105060	<p>Wet ponds?</p> <p><u>Yes</u></p>
SW105070	<p>Alternatives to curb and gutter?</p> <p><u>Yes</u></p>

SW105080	Grass swales? <u>Yes</u>
SW105090	Grassed filter strips? <u>Yes</u>
SW105100	Green parking lots? <u>Yes</u>
SW105110	In-line storage systems? <u>Yes</u>
SW105120	Infiltration basins? <u>Yes</u>
SW105130	Infiltration trenches? <u>Yes</u>
SW105140	Manufactured products installed in storm water inlets? <u>Yes</u>
SW105150	Developments and redevelopments that use narrow streets? <u>Yes</u>
SW105160	On-lot treatment? <u>Yes</u>
SW105170	Open space design? <u>Yes</u>
SW105180	Sand and organic filters? <u>Yes</u>
SW105190	Porous pavement? <u>Yes</u>
SW105200	Stormwater wetlands? <u>Yes</u>
SW105210	Urban forestry? <u>Yes</u>
SW105220	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No wastewater treatment facilities in Knightdale</u>

SW105230	Does the Stormwater Management Program provide training for staff and developers/builders? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with developer/builder education in the future.</u>
SW105260	BMP Inspection and maintenance
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional? <u>Yes</u>
SW105280	The number of BMP inspections and/or maintenance activities. <u>28</u> Comments: <u>A consultant for TOK conducted 20 SCM inspections. 8 owners conducted their own annual inspections and submitted reports to TOK. 13 total deficient sites were found and 3 have been repaired at this time.</u>
SW105290	The number of problems that were identified and remedied. <u>13</u> Comments: <u>13 total deficient sites were found and 3 have been repaired at this time.</u>
SW105300	New Development and Redevelopment BMP Summary
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater control. <u>69</u> Comments: <u>69 sites tracked with 88 SCMs total in TOK.</u>
SW105550	Evaluation of Post-construction Stormwater Management Program Measures
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equal or exceed the stormwater management and water quality protection provided by the following model practices:
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project? <u>Yes</u>
SW105580	Do projects permitted as a low density projects meet the following criteria: <u>Yes</u>
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
SW105610	Are projects permitted as high density projects meet the following requirements: <u>Yes</u>
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;

SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A NCAC 2H .1008(c);
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans? <u>Yes</u>
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters? <u>Yes</u>
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management? <u>Yes</u> Comments: <u>Neuse Regional Watershed Plan and Wake-Johnston Collaborative Local Watershed Plan</u>
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No Trout Waters identified in TOK.</u>
SW105710	Additional Requirements for Nutrient Sensitive Waters
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected? <u>Yes</u>
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during next permit cycle.</u>
SW105740	In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement.

Pollution Prevention/Good Housekeeping for Municipal Operations

SW105750	<u>Pollution Prevention/Good Housekeeping</u>
SW105760	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u>
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u>
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.
SW105790	Municipal Operations include:
SW105800	Transfer Station <u>No</u>
SW105810	Fleet Maintenance <u>Yes</u>
SW105820	Airport <u>No</u>
SW105830	Animal Shelters <u>No</u>
SW105840	Waste Water Treatment Plan <u>No</u>
SW105850	Water Plants <u>No</u>
SW105860	Construction Debris Site <u>No</u>
SW105870	Transit Authority <u>No</u>
SW105880	Public Works Operations <u>Yes</u>

SW105890	Prisons <u>No</u>
SW105900	Emergency Service Facilities <u>Yes</u>
SW105910	Fire Stations <u>Yes</u>
SW105920	Landfills <u>No</u>
SW105930	Schools <u>Yes</u>
SW105940	Parks <u>Yes</u>
SW105950	Waste Recycling Centers <u>No</u>
SW105960	Vehicle Maintenance Operations <u>Yes</u>
SW105970	Vehicle Wash Operations <u>Yes</u>
SW105980	Pump Stations or Lift Stations <u>No</u>
SW105990	Other: <u>N/A</u>
SW106000	<p>In addition to conducting staff training on stormwater pollution prevention and good housekeeping procedures, does the Stormwater Management Program describe any government employee training program the permittee will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106010	<p>Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>

SW106030	<p>Does the Stormwater Management Program describe maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the permittee's MS4?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106050	<p>Does the Stormwater Management Program describe the permittee's procedures for the proper disposal of waste removed from the permittee's MS4 and the permittee's municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106110	Industrial Activities
SW106120	<p>Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106130	<p>Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring reports required by the Phase I permit, and the results of inspections and subsequent follow-up actions at the facilities.</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106160	<p>Does the permittee have a Used Oil Recycling Program?</p> <p><u>Yes</u></p>
SW106170	<p>Does the permittee have a street sweeping program?</p> <p><u>Yes</u></p>
SW106180	<p>Does the permittee have a program to clean catch basins, storm lines, and ditches?</p> <p><u>Yes</u></p>
SW106190	<p>Does the permittee review fertilizer and pesticide use programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106200	<p>Does the permittee have spill prevention plans at city facilities?</p> <p><u>Yes</u></p>
SW106210	City Facilities Inspections

SW106220	<p>Does the permittee inspect vehicle washing fueling, storage and maintenance areas?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106230	<p>Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106240	<p>Does the permittee inspect stormwater outfalls?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE/Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106250	<p>Does the permittee inspect culverts?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE/Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106260	<p>Does the permittee inspect swales/ditches?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE/Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106270	<p>Does the permittee inspect catch basins, inlets, and grates?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE/Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106280	<p>Does the permittee inspect MS4 pipes?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE/Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.</u></p>
SW106290	<p>Does the permittee inspect solid and hazardous waste management facilities and recycling centers?</p> <p><u>Not Applicable</u></p>
SW106300	<p>Does the permittee inspect animal shelters and pounds?</p> <p><u>Not Applicable</u></p>
SW106310	<p>Does the permittee inspect parking lots?</p> <p><u>Yes</u></p>

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u> Comments: <u>Parks are inspected for wash and sedimentation issues. A consultant performs SCM inspection and maintenance.</u>
SW106330	The number of inspections conducted. <u>4</u> Comments: <u>Quarterly</u>
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities. <u>0</u>
SW106420	The number of sites rewarded as being a “clean site” under a rewards program. <u>0</u>
SW106430	The number of spills reported. <u>0</u>
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-related businesses. <u>0</u>
SW106450	Hazardous Materials Storage
SW106460	The total number of storage facilities equipped to store hazardous materials. <u>3</u>
SW106470	The number of regularly inspected storage units. <u>3</u>
SW106480	The number of employees trained in hazardous material storage and maintenance. <u>8</u>
SW106490	Illegal Dumping
SW106500	The number of “no dumping” signs posted. <u>8</u>
SW106510	The number of educational materials distributed. <u>0</u>
SW106520	The number of reports of illegal dumping received. <u>2</u>
SW106530	The number of dump sites and/or illegal sit-outs cleaned up. <u>2</u>
SW106540	The number of sites improved to eliminate as target dumping spots. <u>0</u>

SW106550	The number of enforcement actions pertaining to illegal dumping. <u>0</u>
SW106560	Landscape and Lawn Care, and Pest Control
SW106570	The number of stores/gardens participating in education programs. <u>0</u>
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest management techniques. <u>0</u>
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. <u>0</u>
SW106610	The number of municipal employees trained in integrated pest management. <u>2</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. <u>unk</u>
SW106640	The number of scheduled parking lot and/or road cleanings. <u>unk</u> Comments: <u>Monthly sweep of all TOK roads with curbs.</u>
SW106650	Pet Waste
SW106660	The number of dog parks. <u>1</u>
SW106670	The number of "pooper-scooper" stations installed <u>6</u>
SW106680	The number of educational materials distributed. <u>0</u>
SW106690	Road Salt Application and Storage
SW106700	The number of storage facilities included in a regular inspection and maintenance program. <u>0</u>
SW106710	The number of employees trained in road salt application. <u>0</u>
SW106720	The quantity of salt applied to roadways (in tons). <u>0</u>
SW106730	The quantity of alternative products used (in tons). <u>0</u>
SW106800	Spill Response and Prevention

SW106810	The number of leak detection devices installed at municipal facilities. <u>0</u>
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment. <u>0</u>
SW106830	The number of personnel trained in spill response. <u>0</u>
SW106840	The number of regularly inspected high-risk facilities. <u>0</u>
SW106850	The number of educational materials distributed to municipal employees. <u>0</u>
SW106860	Storm Drain System Cleaning
SW106870	The number of outfalls cleaned regularly. <u>3</u>
SW106880	The number of storm drains cleaned regularly. <u>2</u>
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons). <u>1</u> Comments: <u>Less than 1 ton.</u>
SW106900	Used Oil Recycling
SW106910	The number of gallons of used oil collected from municipal operations. <u>330</u>
SW106920	The number of recycling facilities that collect oil from municipal operations. <u>1</u> Comments: <u>1 contracted oil recycling vendor.</u>
SW106930	The number of educational materials distributed to municipal employees. <u>0</u>
SW106940	Vehicle Washing
SW106950	The number of educational materials distributed to municipal employees. <u>0</u>
SW106960	The number of designated municipal vehicle washing areas. <u>0</u>

Program Accomplishments

SW106970	<u>Staff and Capital Improvement Projects</u>
SW106980	The number of staffed stormwater management position(s). <u>1</u> Comments: <u>0.25 FTE Supervisor, 0.25 FTE Labor x 3</u>
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year. <u>1</u>
SW107000	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year. <u>769,898</u>
SW107010	The number of Capital Improvement Projects planned. <u>2</u>
SW107020	The number of Capital Improvement Projects active. <u>1</u>
SW107030	The number of Capital Improvement Projects completed. <u>0</u>
SW107040	Total annual budget for Capital Improvement Projects for the reporting year. <u>0</u>

Ordinance, Legal or Regulatory Authority

SW107050 **Ordinance, Legal or Regulatory Authority**

SW107060 Illicit Discharge Detection & Elimination
Adopted

SW107070 Erosion & Sediment Control
Adopted

SW107080 Post-Development Stormwater Management
Adopted

SW107090 Stormwater Ordinance
Adopted

SW107100 Unified Development Ordinance
Adopted

SW107110 Flood Damage Protection Ordinance
Adopted

SW107120 Other:
Not Applicable

SW107130 Other:
Not Applicable

SW107140 Other:
Not Applicable



**N.C. Division of Energy, Mineral and Land Resources
(DEMLR)**

**Stormwater Management
Program Assessment**

512 N.Salisbury Street , Raleigh NC 27604

Contained In this Report

- Permit Number : NCS000460

Town of Knightdale

Permit Number: NCS000460

Report Number: NCS000460_2020

County: Wake

Region: Raleigh

2020

Background Information

SW100010

APPLICANT STATUS INFORMATION

SW100020

Name of Public Entity Seeking Permit Coverage

Town of Knightdale

SW100060

Jurisdictional Area (square miles)

6.19

SW100070

Population Permanent

11,401

Comments: From 2010 Census. Estimated 16,753

https://www.knightdalenc.gov/sites/default/files/uploads/qfds2019_011519.pdf

SW100080

Population Seasonal (if available)

N/A

SW100110

RPE / MS4 SYSTEM INFORMATION

SW100120

Storm Sewer Service Area (square miles)

6.19

SW100130

River Basin(s)

1 - Neuse

SW100150

Estimated percentage of jurisdictional area containing the following four land use activities

SW100160

Residential

25

SW100170

Commercial

5

SW100180

Industrial

5

SW100190

Open Space

65

SW100210

Do you have an inventory of storm water inlets, pipes, ditches, and open channels?

Yes

SW100220

Do you know how many outfalls your city discharges to and where they are located?

Yes

SW100260

EXISTING LOCAL WATER QUALITY PROGRAMS

SW100270 "Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know the various uses of your receiving waters so you can design a program to protect those uses. Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. "

SW100280 River Basin

SW100283 Program 1

SW100290 Receiving Stream Name
Neuse River

SW100300 Stream Segment
27-(22.5)b,c

SW100310 Water Quality Classification
C;NSW

SW100320 Use Support Rating

SW100325 TMDL
Yes

SW100331 Program 2

SW100332 Receiving Stream Name
Beaver Dam Creek

SW100333 Stream Segment
27-29

SW100334 Water Quality Classification
C;NSW

SW100335 Use Support Rating

SW100336 TMDL
No

SW100337 Program 3

SW100338 Receiving Stream Name
Milburnie Creek

SW100339 Stream Segment
27-31

SW10033A Water Quality Classification
C;NSW

SW10033B	Use Support Rating
SW10033C	TMDL <u>No</u>
SW10033D	Program 4
SW100400	Your river basin table should list the primary streams that receive stormwater runoff from the MS4 jurisdictional area. Primary streams are those that are shown on a USGS topo maps or SCS map. Streams that are shown on the USGS or SCS maps but do not have a name shall be listed as an unnamed tributary to the nearest named downstream receiving water body.
SW10033E	Receiving Stream Name <u>Mango/Mingo Creek</u>
SW10033F	Stream Segment <u>27-32</u>
SW10033G	Water Quality Classification <u>C;NSW</u>
SW10033H	Use Support Rating
SW10033I	TMDL <u>Yes</u>
SW100340	Local Nutrient Sensitive Waters Strategy <u>Yes</u> Comments: https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed_Planning/Neuse_River_Basin/Neuse_01_RWP/Neuse%2001%20RWP%20Fact%20Sheet%20201609.pdf https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Services/Watershed_Planning/Neuse_River_Basin/Wake_Johnston_Collaborative/WJC%20LWP%20Preliminary%20Findings%20Report%20FINAL.pdf
SW100350	Local Water Supply Watershed Program <u>No</u>
SW100360	Delegated Erosion and Sediment Control Program <u>Yes</u>
SW100370	CAMA Land Use Plan <u>No</u>
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html
SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html
SW100490	<u>CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)</u>

SW100500	Do you co-permit with a permitted Phase I entity? <u>No</u>
SW100510	If so, provide the name of that entity: <u>N/A</u>
SW100550	Other Entity <u>N/A</u>
SW100560	Have legal agreements been finalized between the co-permittees? <u>No</u>
SW100570	<u>RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS</u>
SW100580	Do you intend that another entity perform one or more of your permit obligations? <u>Yes</u>
SW100590	If yes, identify each entity and the element they will be implementing
SW100600	Name of Entity <u>Wake County</u>
SW100610	Element they will implement <u>Construction Site Runoff Controls</u>
SW100620	Contact Person <u>Karen Pageau</u>
SW100630	Contact Address <u>336 Fayetteville Street</u>
SW100640	Contact Telephone Number <u>919.796.8769</u>
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
SW100660	<u>PERMITS AND CONSTRUCTION APPROVALS</u>
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee <u>PERMIT NO. NCS000460 issued 2/20/17</u>
SW100920	<u>MS4 CONTACT INFORMATION</u>
SW100930	Provide the following information for the person/position that will be responsible for day to day implementation and oversight of the stormwater program.
SW100940	Name <u>Ike Archer</u>
SW100950	Title <u>Stormwater Technician</u>

SW100960	Street Address <u>1102 Great Falls Court</u>
SW100970	PO Box <u>N/A</u>
SW100980	City <u>Knightdale</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>27545</u>
SW101010	Telephone <u>919.217.2250</u>
SW101020	Fax <u>919.217.2249</u>
SW101030	E-Mail <u>Ike.Archer@knightdalenc.gov</u>
SW101040	"Permittee's Website" <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW101050	<u>BMPs</u>
SW101060	Do you plan to add any new BMPs? <u>No</u>
SW101070	Do you plan to amend any existing BMPs? <u>Yes</u> Comments: <u>We are currently working on an update to the IDDE program supplement. This update will include a revised Dry Weather Screening program. We are also in the first stages of creating SWPPP's for all munipicle facilities. Our goal is to have both completed and administered in PY4</u>
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. If further space is needed, attach additional sheets.

Information specifically regarding the permit

SW101460 Permitting Information

SW101490 Does the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into the structure of the permittee's organization?
Yes

Co-Permitting Information

SW101570 Contract Operations

SW101630 Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)
No
Root Cause : Best Management Practice is not current

Public Education and Outreach

SW101690	Public Education and Outreach
SW101700	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Frequency of BMP and implementation schedule not included in current SWMP. Will amend next permit cycle</u></p>
SW101710	<p>Does the Stormwater Management Program identify the target audiences likely to have significant stormwater impacts (including commercial, industrial and institutional entities) and why those target audiences were selected?</p> <p><u>Yes</u></p>
SW101720	<p>Does the Stormwater Management Program identify what target pollutant sources the permittee's public education program is designed to address and why those sources are an issue?</p> <p><u>Yes</u></p>
SW101730	<p>Does the Stormwater Management Program describe the permittee's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce stormwater pollution and how the permittee plans to inform individuals and groups on how to become involved in the stormwater program)?</p> <p><u>Yes</u></p>
SW101750	<p>Has the permittee developed general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program.</p> <p><u>Yes</u></p> <p>Comments: <u>Clean Water Education Partnership (CWEP) is contracted to provide Public Education and Outreach and has developed educational materials</u></p>
SW101760	Does general stormwater educational material include information on the following topics:
SW101770	Household Hazardous Waste <u>Yes</u>
SW101780	Pet Waste <u>Yes</u>
SW101790	Septic Systems <u>Yes</u>
SW101800	Lawn and Gardening <u>Yes</u>
SW101810	Vehicle Washing <u>Yes</u>
SW101820	Erosion <u>Yes</u>

SW101830	Stream Buffers <u>Yes</u>
SW101840	Flooding <u>Yes</u>
SW101850	Litter <u>Yes</u>
SW101860	List any additional topics not identified above. <u>N/a</u>
SW101870	Does the permitteenulls outreach program include:
SW101880	Distributing printed educational material to general public through utility mail outs? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Town of Knightdale and CWEP have websites where educational material is presented. These alternative means will be relied upon</u>
SW101890	Distributing printed educational material to general public through special events (i.e., Information boot at festivals and fairs)? <u>Yes</u>
SW101900	Distributing printed educational material to business / industry? <u>Yes</u> Comments: <u>TOK mailed 21 letters to SCM owners in 2019-2020 detailing he annual inspection requirements and general stormwater information.</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? <u>Yes</u>
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK and CWEP have websites where education material is presented. These alternative means will be relied upon</u>
SW101960	Storm drain stenciling <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stenciling in the future</u>

SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>CWEP provides educational programming</u>
SW101980	Workshops <u>Yes</u>
SW101990	Stream basin signage? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stream basi signage in the future</u>
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u> Comments: <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u> Comments: <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW102060	Classroom Outreach
SW102070	The number of educational materials distributed to schools. <u>0</u> Comments: <u>No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume distribution once schools are back in session.</u>
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities. <u>0</u> Comments: <u>No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume scheduling activities and workshops once school is back in session.</u>
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. <u>0</u> Comments: <u>No workshops were held in 2020 due to the COVID-19 pandemic. TOK will resume scheduling activities once schools are back in session.</u>
SW102100	The number of workshops held for teachers. <u>0</u>
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education. <u>0</u>
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. <u>0</u>

SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets
SW102150	The number of stormwater related displays at special events or meetings. <u>1</u> Comments: <u>CWEP assisted in distributing education materials and presenting SW related booths at the annual Christmas tree lighting ceremony.</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>120</u> Comments: <u>Total: 120</u> <u>90 kids: k-5</u> <u>10 kids: 5-8</u> <u>20 adults</u>
SW102170	Number of new homeowner welcome packets containing storm-water-related information. <u>0</u>
SW102180	The number of signs and billboards with stormwater related messages. <u>0</u>
SW102190	The number of stormwater related presentations at special events or meetings. <u>0</u>
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. <u>21</u> Comments: <u>TOK mailed 21 letters to SCM owners detailing the annual inspection requirements and general stormwater information</u>
SW102220	The number of businesses trained under the stormwater program. <u>0</u>
SW102310	Pet Waste Management
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods. <u>8</u>
SW102330	The number of dog-walking designated areas in parks. <u>8</u>
SW102340	The number of posters/brochures put up in pet supply stores. <u>0</u>
SW102350	The number of educational materials given out to pet owners. <u>0</u>
SW102360	Promotional Giveaways
SW102370	The number of items given out. <u>0</u>

SW102380	The number of events attended (to give out items). <u>0</u>
SW102390	The number of partnerships for promotions (radio, TV, Businesses). <u>0</u>
SW102400	Proper Disposal of Household Hazardous Waste
SW102410	The number of household hazardous waste curbside pickup days. <u>0</u> Comments: <u>TOK does not perform curbside pick up for hazardous waste</u>
SW102420	The number of educational materials distributed to homeowners. <u>1</u> Comments: <u>NCSU stream restoration materials were given to a resident with erosional issues on his property.</u>
SW102430	The number of partnerships established with businesses. <u>0</u>
SW102440	Outreach Programs to Minority and Disadvantaged
SW102450	The number of brochures/posters created in non-English languages. <u>0</u>
SW102460	The number of educational materials distributed in non-English languages. <u>10</u> Comments: <u>CWEP advertised in the Spanish-language newspaper La Noticia once weekly for 10 months. This quarter-page ad highlighted the importance of properly disposing of litter for stormwater pollution prevention, as well as general stormwater education</u>
SW102470	The number of partnerships established with minority organizations. <u>0</u>
SW102480	The number of educational materials distributed to low-income neighborhoods. <u>0</u>
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods. <u>0</u>
SW102540	Using the Media
SW102550	The number of public service announcements made on radio and TV. <u>104,509</u> Comments: <u>CWEP produces a cinema campaign, a Spectrum digital campaign, a digital CBC campaign, a broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 104,509 impressions for the TOK in FY 2020</u>
SW102560	The number of stormwater related press releases/advertising. <u>unknown</u> Comments: <u>CWEP produces a cinema campaign, a Spectrum digital campaign, a digital CBC campaign, a broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 104,509 impressions for the TOK in FY 2020</u>

SW102570	The number of stormwater related articles published. <u>0</u>
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. <u>0</u>
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bill <u>0</u>
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. <u>0</u>

Public Involvement and Participation

SW102620	Public Involvement and Participation
SW102630	<p>Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP. The SWMP will be updated during the next permit cycle</u></p>
SW102640	<p>Does the Stormwater Management Program identify the target audiences of the permitteenulls public involvement program, including a description of the types of ethnic and economic groups engaged?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>The SWMP will be updated during the next permit cycle</u></p>
SW102650	<p>Permittee are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.</p>
SW102660	<p>Does the Stormwater Management Program describe how the permittee will involve the public in the development and implementation of the permittee's storm water management program and the types o public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups?</p> <p><u>Yes</u></p>
SW102670	<p>Has the permittee provided for the means to involve the public in the development and implementation the permittee's storm water management program through:</p>
SW102680	<p>Public Hearings, stakeholder meetings, or other meetings?</p> <p><u>Yes</u></p>
SW102690	<p>A Stormwater Steering Committee (or similar advisory group)?</p> <p><u>Yes</u></p> <p>Comments: <u>TOK holds monthly planning and engineering committee that covers stormwater related issues. A Stormwater Steering Committee was created, but disbanded due to lack of participation and events.</u></p>
SW102700	<p>Stream clean-up events?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stream cleanups in the future</u></p>
SW102710	<p>Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?</p> <p><u>Yes</u></p>
SW102720	<p>Reforestation programs or wetland planting programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and ay proceed with reforestation o wetland planting programs in the future</u></p>

SW102730	A stormwater hotline? <u>Yes</u> Comments: <u>(919-217-2257)</u>
SW102740	Volunteer monitoring programs? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to to evaluate its Stormwater program and may proceed with a volunteer monitoring program in the future</u>
SW102750	Storm drain stenciling? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to to evaluate its Stormwater program and may proceed with storm drain stenciling in the future</u>
SW102760	Encourage neighborhood coordinators to become active in the program? <u>Yes</u>
SW102770	Regional workshops? <u>Yes</u> Comments: <u>CWEP provides workshops</u>
SW102780	Telephone/Web/Mall surveys? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to to evaluate its Stormwater program and may proceed with public surveys in the future</u>
SW102790	Working with citizen volunteers willing to educate others about the program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to to evaluate its Stormwater program and may proceed with volunteer education in the future</u>
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program <u>1</u> Comments: <u>1 Adopt-a-trail program with 5 corporate sponsors</u>
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons). <u>1</u> Comments: <u>Adopt-a-trail program removed less than 1 ton of trash and debris</u>
SW102860	Surveys
SW102870	The number of citizens solicited to complete surveys. <u>0</u>

SW102880	The number of completed surveys. <u>0</u>
SW102890	Hotlines
SW102900	The number of calls received by a hotline(s). <u>1</u> Comments: <u>Trash in SCM complaint</u>
SW102910	The number of problems/incidents remedied as a result of hotline calls. <u>1</u> Comments: <u>Evaluation and education materials provided</u>
SW102920	Reforestation Programs
SW102930	The number of volunteer tree planters. <u>0</u>
SW102940	The number of trees planted. <u>0</u>
SW102950	The number of acres planted with trees. <u>0</u>
SW102960	Public Hearings, stakeholder meetings, or other meetings
SW102970	The number of meetings held. <u>0</u>
SW102980	The number of attendees. <u>0</u>
SW102990	The number of actions taken as a result of stakeholder meetings. <u>0</u>
SW103000	Storm Drain Stenciling
SW103010	The percent of drains stenciled. <u>0</u>
SW103020	The number of stenciling volunteers. <u>0</u>
SW103030	The number of drains stenciled. <u>0</u>
SW103040	Stream Cleanup
SW103050	The number of stream cleanups. <u>0</u>

SW103060	The number of cleanup participants. <u>0</u>
SW103070	The quantity of waste collected as a result of cleanup efforts (in tons). <u>0</u>
SW103080	The number of stream miles cleaned. <u>0</u>
SW103090	Volunteer Monitoring
SW103100	The number of volunteers participating in monitoring programs. <u>0</u>
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Quarter and A-annually). <u>0</u>
SW103120	The number of volunteer monitoring stations established in the watershed. <u>0</u>
SW103130	The number of volunteer monitoring training sessions held. <u>0</u>
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers. <u>0</u>
SW103150	Wetland Plantings
SW103160	The acres of land planted. <u>0</u>
SW103170	The number of volunteers that participated in planting. <u>0</u>
SW103180	The number of planting events held. <u>0</u>

Illicit Discharge Detection and Elimination

SW103190	<u>Illicit Discharge Detection and Elimination</u>
SW103200	Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>The IDDE program is still under development</u>
SW103210	Stormwater Map
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters? <u>Yes</u>
SW103260	Does stormwater mapping include drainage areas? <u>No</u> Root Cause : <u>Best Management Practice is not current</u> Plan of Action: <u>Map is under development</u>
SW103270	Does stormwater mapping include receiving streams? <u>Yes</u>
SW103280	Does stormwater infrastructure mapping include outfalls? <u>Yes</u>
SW103290	Estimated or actual number of outfalls. <u>80</u>
SW103300	Does stormwater infrastructure mapping include sewer pipes? <u>Yes</u>
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other structural BMPs)? <u>Yes</u>
SW103320	Estimated or actual number of structural BMPs? <u>88</u>
SW103330	Percent of outfall mapping complete. <u>85</u>
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism? <u>Yes</u>
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented? <u>Yes</u>

SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills? <u>Yes</u>
SW103370	The permittee must implement an inspection program to detect dry weather flows at system outfalls and at a minimum, must address the following:
SW103380	Procedures for locating priority areas.
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permittee will use to detect the location of the source.
SW103400	Procedures for removing the source of the illicit discharge.
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.
SW103420	Does the Stormwater Management Program address the following categories of non storm water discharges or flows (i.e., illicit discharges) only if permittee identify them as significant contributors of pollutants to the permitteenulls small MS4: <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Non-stormwater discharges will be evaluated in the next permit</u>
SW103430	landscape irrigation;
SW103440	water line flushing;
SW103450	diverted stream flows;
SW103460	uncontaminated groundwater infiltration;
SW103470	discharges from potable water sources;
SW103480	air conditioning condensate (commercial/residential);
SW103490	springs;
SW103500	footing drains;
SW103510	residential and charity car washing;
SW103520	dechlorinated swimming pool discharges;
SW103530	rising groundwaters;
SW103540	uncontaminated pumped groundwater;
SW103550	foundation drains;
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);
SW103570	water from crawl space pumps;
SW103580	lawn watering;

SW103590	flows from riparian habitats and wetlands;
SW103600	street wash water;
SW103610	flows from emergency fire fighting.
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharge that will not be addressed as illicit discharges.
SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).
SW103640	Does the Stormwater Management Program document local controls or conditions placed on discharge and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Non-stormwater discharges will be evaluated in the next permit</u>
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program under development</u>
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u> Comments: <u>Stormwater hotline is advertised online and on fleet vehicle</u>
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system? <u>Yes</u> Comments: <u>Spreadsheet located on S drive</u>
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>Yes</u> Comments: <u>Incident report forms are completed for every reported incident</u>
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution? <u>Yes</u> Comments: <u>CWEP provides educational materials on behalf of TOK</u>
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls? <u>Yes</u>

SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illic discharge cross connections between sanitary and storm sewers? <u>Yes</u> Comments: <u>Incident report Forms identify contact information for Raleigh utilities in the case of cross connection or discharge.</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u> Comments: <u>Plan review by City of Raleigh to ensure delineation</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program under development</u>
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. <u>0</u>
SW103870	The number of illicit connections reported by citizens. <u>0</u>
SW103880	The number of illicit connections found. <u>0</u>
SW103890	The number of illicit connections repaired/replaced. <u>0</u>
SW103900	The number of illicit connection referrals. <u>0</u>
SW103910	Illegal Dumping
SW103930	The number of illegal dumps reported by citizens. <u>0</u>
SW103940	The number of penalties enforced upon the participants of illegal dumps. <u>0</u>
SW103950	The number of illegal dump or sit-out clean-ups completed. <u>0</u>
SW103970	Industrial or Business Connections
SW103980	The number of dry weather tests/inspections completed. <u>0</u>
SW103990	The number of high-risk connections prioritized. <u>0</u>

SW104000	The number of illicit connections reported by employees or businesses. <u>0</u>
SW104010	The number of illicit connections found. <u>0</u>
SW104020	The number of illicit connections repaired/replaced. <u>0</u>
SW104030	Recreational Sewage
SW104040	The number of pump-out stations. <u>0</u>
SW104050	The number of no-discharge areas created. <u>0</u>
SW104060	The number of new signs added to inform users of dumping policies and alternatives. <u>0</u>
SW104070	The number of enforced cases of recreational dumping. <u>0</u>
SW104080	The number of citizen complaints made reporting illegal action. <u>0</u>
SW104090	Sanitary Sewer Overflows (SSO)
SW104100	The number of overflows reported. <u>0</u>
SW104110	The number of overflow causes that were identified during inspections. <u>0</u>
SW104120	The number of sites repaired. <u>0</u>
SW104130	Wastewater Connections to the Storm Drain System
SW104140	The number of rerouted connections. <u>0</u>
SW104150	The number of dry weather monitoring activities performed. <u>0</u>
SW104160	The number of unwarranted connections reported. <u>0</u>
SW104170	The number of unwarranted connections found. <u>0</u>

SW104180

The number of unwarranted connections repaired/replaced.

0

Construction Site Stormwater Runoff Control

SW104190	<u>Construction Site Stormwater Runoff Control</u>
SW104200	<p>Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development? (If no, go to SW104220)</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u></p>
SW104210	<p>If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development, than the NCDENR Division of Land Resources Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development.</p>
SW104220	<p>Does the permittee rely on a locally delegated program to meet the minimum measure for private development requirements? (If no, go to SW104300)</p> <p><u>Yes</u></p>
SW104230	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random inspections of local land disturbing activities that have a sediment and erosion control permit, issued by local government?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u></p>
SW104250	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are not in compliance with their sediment and erosion control permits to the local government?</p> <p><u>Yes</u></p>
SW104260	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved concerns to the local government?</p> <p><u>Yes</u></p>
SW104270	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of unresolved concerns reported to the local government?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u></p>
SW104300	<p>Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for private development? (If no go to SW104450)</p> <p><u>Yes</u></p>
SW104310	<p>Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u></p>

SW104320	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to require erosion and sediment controls at construction sites and why the permittee chose that mechanism? <u>Yes</u>
SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and a schedule to do so.
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans, which incorporate consideration of potential water quality impacts? <u>Yes</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance? <u>Yes</u> Comments: <u>Refers to Ordinance</u>
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such as stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u>
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts? <u>Yes</u>
SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality? <u>Yes</u>
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems? <u>Yes</u> Comments: <u>SW Hotline (919-217-2257) or 1-866-STOPMUD</u>
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.
SW104470	Staff Training and Certification

SW104480	The number of training and certification programs offered to staff. <u>1</u> Comments: <u>DOT Level 1 Certification offered to staff</u>
SW104490	The number of trained staff inspectors. <u>2</u>
SW104500	The number of certified staff inspectors. <u>0</u>
SW104510	The number of certified contractors by permittee. <u>0</u>
SW104520	Inspection and Enforcement
SW104530	The number of plans reviewed greater than one acre. <u>14</u> Comments: <u>6 Subdivisions and 8 commercial sites reviewed</u>
SW104590	The number of enforcement actions or NOVs taken. <u>3</u> Comments: <u>3 NOV's without penalty delivered through Wake County as Construction S&EC</u>

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	<u>Post-Construction Storm Water Management in New Development and Redevelopment</u>
SW104900	Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW104910	Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects? <u>Yes</u>
SW104920	The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulate public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.
SW104930	Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs? <u>Yes</u>
SW104940	Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities. <u>Yes</u>
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during next permit cycle</u>
SW105010	Do new development and redevelopment codes allow for the following:
SW105020	Bioretention basins? <u>Yes</u>
SW105030	Alternative pavers? <u>Yes</u>
SW105040	Buffer zones? <u>Yes</u>
SW105050	Dry ponds? <u>Yes</u>
SW105060	Wet ponds? <u>Yes</u>
SW105070	Alternatives to curb and gutter? <u>Yes</u>

SW105080	Grass swales? <u>Yes</u>
SW105090	Grassed filter strips? <u>Yes</u>
SW105100	Green parking lots? <u>Yes</u>
SW105110	In-line storage systems? <u>Yes</u>
SW105120	Infiltration basins? <u>Yes</u>
SW105130	Infiltration trenches? <u>Yes</u>
SW105140	Manufactured products installed in storm water inlets? <u>Yes</u>
SW105150	Developments and redevelopments that use narrow streets? <u>Yes</u>
SW105160	On-lot treatment? <u>Yes</u>
SW105170	Open space design? <u>Yes</u>
SW105180	Sand and organic filters? <u>Yes</u>
SW105190	Porous pavement? <u>Yes</u>
SW105200	Stormwater wetlands? <u>Yes</u>
SW105210	Urban forestry? <u>Yes</u>
SW105220	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No wastewater treatment facilities in Knightdale</u>

SW105230	Does the Stormwater Management Program provide training for staff and developers/builders? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with developer/builder education in the future</u>
SW105260	BMP Inspection and maintenance
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional? <u>Yes</u>
SW105280	The number of BMP inspections and/or maintenance activities. <u>30</u> Comments: <u>a consultant for TOK conducted 11 SCM inspections, 19 owners conducted their own annual inspections and submitted reports to TOK. 17 total deficient sites were found and 13 have been repaired at this time.</u>
SW105290	The number of problems that were identified and remedied. <u>17</u> Comments: <u>17 total deficient sites were found and 13 have been repaired</u>
SW105300	New Development and Redevelopment BMP Summary
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater control <u>46</u> Comments: <u>49 sites tracked with 88 SCM's in total in TOK</u>
SW105550	Evaluation of Post-construction Stormwater Management Program Measures
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equal or exceed the stormwater management and water quality protection provided by the following model practices:
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project? <u>Yes</u>
SW105580	Do projects permitted as a low density projects meet the following criteria: <u>Yes</u>
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
SW105610	Are projects permitted as high density projects meet the following requirements: <u>Yes</u>
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;

SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A NCAC 2H .1008(c);
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans? <u>Yes</u>
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters? <u>Yes</u>
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management? <u>Yes</u> Comments: <u>Neuse Regional Watershed Plan and Wake-Johnston Collaborative Local Watershed Plan</u>
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No trout waters identified in TOK</u>
SW105710	Additional Requirements for Nutrient Sensitive Waters
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected? <u>Yes</u>
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during the next permit cycle</u>
SW105740	In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement.

Pollution Prevention/Good Housekeeping for Municipal Operations

SW105750	<u>Pollution Prevention/Good Housekeeping</u>
SW105760	Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention / Good Housekeeping program is under development. SWMP will be updated during the next permit cycle.</u>
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention / Good Housekeeping program under development. SWMP will be updated next permit cycle.</u>
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.
SW105790	Municipal Operations include:
SW105800	Transfer Station <u>No</u>
SW105810	Fleet Maintenance <u>Yes</u>
SW105820	Airport <u>No</u>
SW105830	Animal Shelters <u>No</u>
SW105840	Waste Water Treatment Plan <u>No</u>
SW105850	Water Plants <u>No</u>
SW105860	Construction Debris Site <u>No</u>
SW105870	Transit Authority <u>No</u>
SW105880	Public Works Operations <u>Yes</u>

SW105890	Prisons <u>No</u>
SW105900	Emergency Service Facilities <u>Yes</u>
SW105910	Fire Stations <u>Yes</u>
SW105920	Landfills <u>No</u>
SW105930	Schools <u>Yes</u>
SW105940	Parks <u>Yes</u>
SW105950	Waste Recycling Centers <u>No</u>
SW105960	Vehicle Maintenance Operations <u>Yes</u>
SW105970	Vehicle Wash Operations <u>Yes</u>
SW105980	Pump Stations or Lift Stations <u>No</u>
SW105990	Other: <u>n/a</u>
SW106000	<p>In addition to conducting staff training on stormwater pollution prevention and good housekeeping procedures, does the Stormwater Management Program describe any government employee training program the permittee will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances and storm water system maintenance?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106010	<p>Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>

SW106030	<p>Does the Stormwater Management Program describe maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the permittee's MS4?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106050	<p>Does the Stormwater Management Program describe the permittee's procedures for the proper disposal of waste removed from the permittee's MS4 and the permittee's municipal operations, including dredged spoil, accumulated sediments, floatables, and other debris?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106110	Industrial Activities
SW106120	<p>Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106130	<p>Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring reports required by the Phase I permit, and the results of inspections and subsequent follow-up actions at the facilities.</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106160	<p>Does the permittee have a Used Oil Recycling Program?</p> <p><u>Yes</u></p>
SW106170	<p>Does the permittee have a street sweeping program?</p> <p><u>Yes</u></p>
SW106180	<p>Does the permittee have a program to clean catch basins, storm lines, and ditches?</p> <p><u>Yes</u></p>
SW106190	<p>Does the permittee review fertilizer and pesticide use programs?</p> <p><u>Yes</u></p> <p>Comments: <u>Public works staff that administer Pesticide/Herbicide's are licensed applicators with annual renewals</u></p>
SW106200	<p>Does the permittee have spill prevention plans at city facilities?</p> <p><u>Yes</u></p>
SW106210	City Facilities Inspections

SW106220	<p>Does the permittee inspect vehicle washing fueling, storage and maintenance areas?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106230	<p>Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.</u></p>
SW106240	<p>Does the permittee inspect stormwater outfalls?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program under development. SWMP v be updated next permit cycle.</u></p>
SW106250	<p>Does the permittee inspect culverts?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program under development. SWMP v be updated next permit cycle.</u></p>
SW106260	<p>Does the permittee inspect swales/ditches?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program under development. SWMP v be updated next permit cycle.</u></p>
SW106270	<p>Does the permittee inspect catch basins, inlets, and grates?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program under development. SWMP v be updated next permit cycle.</u></p>
SW106280	<p>Does the permittee inspect MS4 pipes?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program under development. SWMP v be updated next permit cycle.</u></p>
SW106290	<p>Does the permittee inspect solid and hazardous waste management facilities and recycling centers?</p> <p><u>Not Applicable</u></p>
SW106300	<p>Does the permittee inspect animal shelters and pounds?</p> <p><u>Not Applicable</u></p>
SW106310	<p>Does the permittee inspect parking lots?</p> <p><u>Yes</u></p>

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u> Comments: <u>Parks are inspected for wash and sediment issues. A consultant performs SCM inspections and maintenance.</u>
SW106330	The number of inspections conducted. <u>4</u> Comments: <u>Quarterly</u>
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities. <u>0</u>
SW106420	The number of sites rewarded as being a "clean site" under a rewards program. <u>0</u>
SW106430	The number of spills reported. <u>0</u>
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-related businesses. <u>0</u>
SW106450	Hazardous Materials Storage
SW106460	The total number of storage facilities equipped to store hazardous materials. <u>3</u>
SW106470	The number of regularly inspected storage units. <u>3</u>
SW106480	The number of employees trained in hazardous material storage and maintenance. <u>8</u>
SW106490	Illegal Dumping
SW106500	The number of "no dumping" signs posted. <u>8</u>
SW106510	The number of educational materials distributed. <u>0</u>
SW106520	The number of reports of illegal dumping received. <u>0</u>
SW106530	The number of dump sites and/or illegal sit-outs cleaned up. <u>0</u>
SW106540	The number of sites improved to eliminate as target dumping spots. <u>0</u>

SW106550	The number of enforcement actions pertaining to illegal dumping. <u>0</u>
SW106560	Landscape and Lawn Care, and Pest Control
SW106570	The number of stores/gardens participating in education programs. <u>0</u>
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest manager techniques. <u>0</u>
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. <u>0</u>
SW106610	The number of municipal employees trained in integrated pest management. <u>2</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. <u>9</u> Comments: <u>A total of 9 parking lots at public facilities</u>
SW106640	The number of scheduled parking lot and/or road cleanings. <u>unknown</u> Comments: <u>Monthly sweep of all TOK roads with curbs</u>
SW106650	Pet Waste
SW106660	The number of dog parks. <u>1</u>
SW106670	The number of "pooper-scooper" stations installed <u>8</u> Comments: <u>Located at Parks and along trails</u>
SW106680	The number of educational materials distributed. <u>0</u>
SW106690	Road Salt Application and Storage
SW106700	The number of storage facilities included in a regular inspection and maintenance program. <u>1</u>
SW106710	The number of employees trained in road salt application. <u>1</u>
SW106720	The quantity of salt applied to roadways (in tons). <u>1</u> Comments: <u>Less than 1 ton applied</u>

SW106730	The quantity of alternative products used (in tons). <u>0</u>
SW106800	Spill Response and Prevention
SW106810	The number of leak detection devices installed at municipal facilities. <u>0</u>
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment. <u>1</u> Comments: <u>Boiler inspection. Air Compressor conducted by state</u>
SW106830	The number of personnel trained in spill response. <u>5</u> Comments: <u>All OPS staff - OSHA training</u>
SW106840	The number of regularly inspected high-risk facilities. <u>0</u>
SW106850	The number of educational materials distributed to municipal employees. <u>0</u>
SW106860	Storm Drain System Cleaning
SW106870	The number of outfalls cleaned regularly. <u>3</u>
SW106880	The number of storm drains cleaned regularly. <u>20</u>
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons). <u>1</u> Comments: <u>Less than 1 ton</u>
SW106900	Used Oil Recycling
SW106910	The number of gallons of used oil collected from municipal operations. <u>150</u>
SW106920	The number of recycling facilities that collect oil from municipal operations. <u>1</u> Comments: <u>One contracted oil recycling vendor</u>
SW106930	The number of educational materials distributed to municipal employees. <u>0</u>
SW106940	Vehicle Washing
SW106950	The number of educational materials distributed to municipal employees. <u>0</u>

SW106960

The number of designated municipal vehicle washing areas.

0

Program Accomplishments

SW106970	<u>Staff and Capital Improvement Projects</u>
SW106980	The number of staffed stormwater management position(s). <u>3.5 FTE's</u>
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year. <u>1 FTE</u>
SW107000	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year. <u>543,000</u>
SW107010	The number of Capital Improvement Projects planned. <u>3</u>
SW107020	The number of Capital Improvement Projects active. <u>1</u>
SW107030	The number of Capital Improvement Projects completed. <u>1</u>
SW107040	Total annual budget for Capital Improvement Projects for the reporting year. <u>486,500</u>

Ordinance, Legal or Regulatory Authority

SW107050	<u>Ordinance, Legal or Regulatory Authority</u>
SW107060	Illicit Discharge Detection & Elimination <u>Adopted</u>
SW107070	Erosion & Sediment Control <u>Adopted</u>
SW107080	Post-Development Stormwater Management <u>Adopted</u>
SW107090	Stormwater Ordinance <u>Adopted</u>
SW107100	Unified Development Ordinance <u>Adopted</u>
SW107110	Flood Damage Protection Ordinance <u>Adopted</u>
SW107120	Other: <u>Not Applicable</u>
SW107130	Other: <u>Not Applicable</u>
SW107140	Other: <u>Not Applicable</u>



**N.C. Division of Energy, Mineral and Land Resources
(DEMLR)**

**Stormwater Management
Program Assessment**

512 N.Salisbury Street , Raleigh NC 27604

Contained In this Report

- Permit Number : NCS000460

Town of Knightdale

Permit Number: NCS000460

Report Number: NCS000460_2021

County: Wake

Region: Raleigh

2021

Background Information

SW100010

APPLICANT STATUS INFORMATION

SW100020

Name of Public Entity Seeking Permit Coverage

Town of Knightdale

SW100060

Jurisdictional Area (square miles)

6.19

SW100070

Population Permanent

11401

Comments: From 2010 Census. Estimated 16,753.

<https://www.knightdalenc.gov/sites/default/files/uploads/qfds2019011519.pdf>

SW100080

Population Seasonal (if available)

n/a

SW100110

RPE / MS4 SYSTEM INFORMATION

SW100120

Storm Sewer Service Area (square miles)

6.19

SW100130

River Basin(s)

1 - Neuse

SW100150

Estimated percentage of jurisdictional area containing the following four land use activities

SW100160

Residential

25

SW100170

Commercial

5

SW100180

Industrial

5

SW100190

Open Space

65

SW100210

Do you have an inventory of storm water inlets, pipes, ditches, and open channels?

Yes

SW100220

Do you know how many outfalls your city discharges to and where they are located?

Yes

SW100260

EXISTING LOCAL WATER QUALITY PROGRAMS

SW100270 "Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know the various uses of your receiving waters so you can design a program to protect those uses. Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. "

SW100280 River Basin

SW100283 Program 1

SW100290 Receiving Stream Name
Neuse River Estuary

SW100300 Stream Segment
27-(22.5)b,c

SW100310 Water Quality Classification
C;NSW

SW100320 Use Support Rating

SW100325 TMDL
Yes
Comments: Nitrogen

SW100331 Program 2

SW100332 Receiving Stream Name
Beaver Dam Creek

SW100333 Stream Segment
27-29

SW100334 Water Quality Classification
C;NSW

SW100335 Use Support Rating

SW100336 TMDL
No

SW100337 Program 3

SW100338 Receiving Stream Name
Milburnie Creek

SW100339 Stream Segment
27-31

SW10033A	Water Quality Classification <u>C:NSW</u>
SW10033B	Use Support Rating
SW10033C	TMDL <u>No</u>
SW10033D	Program 4
SW100400	Your river basin table should list the primary streams that receive stormwater runoff from the MS4 jurisdictional area. Primary streams are those that are shown on a USGS topo maps or SCS map. Streams that are shown on the USGS or SCS maps but do not have a name shall be listed as an unnamed tributary to the nearest named downstream receiving water body.
SW10033E	Receiving Stream Name <u>Mingo Creek</u>
SW10033F	Stream Segment <u>27-32</u>
SW10033G	Water Quality Classification <u>C:NSW</u>
SW10033H	Use Support Rating
SW10033I	TMDL <u>Yes</u>
SW100340	Local Nutrient Sensitive Waters Strategy <u>Yes</u> Comments: https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed Planning/Neuse River Basin/Neuse 01 RWP/Neuse%2001%20RWP%20Fact%20Sheet%202020160.p9df https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Srevicees/Watershed Planning/Neuse River Basin/Wake Johnston Collaborative/WJC%20LWP%20Preliminary%20Findings%20Report%20FINAL.pdf
SW100350	Local Water Supply Watershed Program <u>Yes</u>
SW100360	Delegated Erosion and Sediment Control Program <u>Yes</u>
SW100370	CAMA Land Use Plan <u>No</u>
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html

SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html
SW100490	<u>CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)</u>
SW100500	Do you co-permit with a permitted Phase I entity? <u>No</u>
SW100510	If so, provide the name of that entity: <u>n/a</u>
SW100550	Other Entity <u>n/a</u>
SW100560	Have legal agreements been finalized between the co-permittees? <u>No</u>
SW100570	<u>RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS</u>
SW100580	Do you intend that another entity perform one or more of your permit obligations? <u>Yes</u>
SW100590	If yes, identify each entity and the element they will be implementing
SW100600	Name of Entity <u>Wake County Environmental Services</u>
SW100610	Element they will implement <u>Construction Site Runoff Controls</u>
SW100620	Contact Person <u>Karen Pageau</u>
SW100630	Contact Address <u>336 Fayetteville Street</u>
SW100640	Contact Telephone Number <u>919-736-8769</u>
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
SW100660	<u>PERMITS AND CONSTRUCTION APPROVALS</u>
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee <u>Permit No. NCS000460 Issued 2/20/2017</u>
SW100920	<u>MS4 CONTACT INFORMATION</u>
SW100930	Provide the following information for the person/position that will be responsible for day to day implementation and oversight of the stormwater program.
SW100940	Name <u>Dustin Tripp</u>

SW100950	Title <u>Assistant Town Manager</u>
SW100960	Street Address <u>950 Steeple Square Court</u>
SW100970	PO Box <u>n/a</u>
SW100980	City <u>Knightdale</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>27545</u>
SW101010	Telephone <u>919-217-2201</u>
SW101020	Fax <u>919-217-2249</u>
SW101030	E-Mail <u>dustin.tripp@knightdalenc.gov</u>
SW101040	"Permittee's Website" <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW101050	<u>BMPs</u>
SW101060	Do you plan to add any new BMPs? <u>No</u>
SW101070	Do you plan to amend any existing BMPs? <u>No</u>
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. If further space is needed, attach additional sheets.

Information specifically regarding the permit

SW101460 Permitting Information

SW101490 Does the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into the structure of the permittee's organization?
Yes

Co-Permitting Information

SW101570 Contract Operations

SW101630 Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)
No
Root Cause : Best Management Practice is not current

Public Education and Outreach

SW101690	Public Education and Outreach
SW101700	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Frequency of BMP and implementation schedule not included in current SWMP, Will amend next permit cycle.</u></p>
SW101710	<p>Does the Stormwater Management Program identify the target audiences likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected?</p> <p><u>Yes</u></p>
SW101720	<p>Does the Stormwater Management Program identify what target pollutant sources the permittee's public education program is designed to address and why those sources are an issue?</p> <p><u>Yes</u></p>
SW101730	<p>Does the Stormwater Management Program describe the permittee's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans to inform individuals and groups on how to become involved in the storm water program?)</p> <p><u>Yes</u></p>
SW101750	<p>Has the permittee developed general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program.</p> <p><u>Yes</u></p> <p>Comments: <u>Clean Water Education Partnership (CWEP) is contracted to provide Public education and Outreach and has developed educational materials</u></p>
SW101760	Does general stormwater educational material include information on the following topics:
SW101770	Household Hazardous Waste <u>Yes</u>
SW101780	Pet Waste <u>Yes</u>
SW101790	Septic Systems <u>Yes</u>
SW101800	Lawn and Gardening <u>Yes</u>
SW101810	Vehicle Washing <u>Yes</u>
SW101820	Erosion <u>Yes</u>

SW101830	Stream Buffers <u>Yes</u>
SW101840	Flooding <u>Yes</u>
SW101850	Litter <u>Yes</u>
SW101860	List any additional topics not identified above. <u>n/a</u>
SW101870	Does the permitteenulls outreach program include:
SW101880	Distributing printed educational material to general public through utility mail outs? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Town of Knightdale and CWEP have websites where educational materials are presented These alternative methods will be relied upon.</u>
SW101890	Distributing printed educational material to general public through special events (i.e., Information boot at festivals and fairs)? <u>Yes</u>
SW101900	Distributing printed educational material to business / industry? <u>Yes</u> Comments: <u>TOK mailed 31 letters to SCM owners in 2020-2021 detailing the annual inspection requirements and general Stormwater information.</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No school programming was conducted in the 2020-2021 due to COVID-19. The town wil resume these programs once restrictions are lifted.</u> Comments: <u>No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted.</u>
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK and CWEP have websites where educational materials are presented. These alternative means will be relied upon</u>

SW101960	Storm drain stenciling <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stenciling in the future.</u>
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>CWEP provides educational programming</u>
SW101980	Workshops <u>No</u> Root Cause : <u>Best Management Practice is not effective or implemented properly</u> Plan of Action: <u>No workshops were conducted in 2020-2021 due to restrictions associated with COVID-19. The town will resume these programs once these restrictions are lifted.</u>
SW101990	Stream basin signage? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stream basin signage in the future</u>
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u> Comments: <u>https://www.knightdale.gov/departments/engineering/stormwater-management</u>
SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u> Comments: <u>https://www.knightdale.gov/departments/engineering/stormwater-management</u>
SW102060	Classroom Outreach
SW102070	The number of educational materials distributed to schools. <u>0</u> Comments: <u>No education materials were provided to schools in 2020-2021 due to restrictions associated with the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted.</u>
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities. <u>0</u> Comments: <u>No education materials were provided to schools in 2020-2021 due to restrictions associated with the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted.</u>
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. <u>0</u> Comments: <u>No workshops were held in 2020-2021 due to restrictions associated with the COVID-19 pandemic. TOK will resume scheduling these activities once restrictions are lifted.</u>

SW102100	The number of workshops held for teachers. <u>0</u>
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education. <u>0</u>
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. <u>0</u>
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets
SW102150	The number of stormwater related displays at special events or meetings. <u>0</u> Comments: <u>No special events were scheduled in 2020-2021 due to restrictions associated with the COVID-19 pandemic.</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>0</u>
SW102170	Number of new homeowner welcome packets containing storm-water-related information. <u>0</u>
SW102180	The number of signs and billboards with stormwater related messages. <u>0</u>
SW102190	The number of stormwater related presentations at special events or meetings. <u>0</u>
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. <u>31</u> Comments: <u>TOK mailed 31 letters to SCM owners detailing the annual inspection requirements and general stormwater information.</u>
SW102220	The number of businesses trained under the stormwater program. <u>0</u>
SW102310	Pet Waste Management
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods. <u>8</u>
SW102330	The number of dog-walking designated areas in parks. <u>8</u>
SW102340	The number of posters/brochures put up in pet supply stores. <u>0</u>
SW102350	The number of educational materials given out to pet owners. <u>0</u>

SW102360	Promotional Giveaways
SW102370	The number of items given out. <u>0</u>
SW102380	The number of events attended (to give out items). <u>0</u>
SW102390	The number of partnerships for promotions (radio, TV, Businesses). <u>0</u>
SW102400	Proper Disposal of Household Hazardous Waste
SW102410	The number of household hazardous waste curbside pickup days. <u>0</u> Comments: <u>TOK does not provided curbside pickup for HHW</u>
SW102420	The number of educational materials distributed to homeowners. <u>1</u> Comments: <u>NCSU stream restoration materials were given to a HO with erosional issues on his property</u>
SW102430	The number of partnerships established with businesses. <u>0</u>
SW102440	Outreach Programs to Minority and Disadvantaged
SW102450	The number of brochures/posters created in non-English languages. <u>0</u>
SW102460	The number of educational materials distributed in non-English languages. <u>40</u> Comments: <u>CWEP advertised in the Spanish-language newspaper "La Noticia" once weekly for 10 months. This quarter-page ad highlighted the importance of properly disposing of litter for stormwater pollution prevention, as well as the effects of clogged conveyances.</u>
SW102470	The number of partnerships established with minority organizations. <u>0</u>
SW102480	The number of educational materials distributed to low-income neighborhoods. <u>0</u>
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods. <u>0</u>
SW102540	Using the Media
SW102550	The number of public service announcements made on radio and TV. <u>Unknown</u> Comments: <u>CWEP produces a cinema campaign, a spectrum digital campaign, a digital CBC campaign, a Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 87,340 impressions for our community.</u>

SW102560	The number of stormwater related press releases/advertising. <u>Unknown</u> Comments: <u>CWEP produces a cinema campaign, a spectrum digital campaign, a digital CBC campaign, a Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 87,340 impressions for our community.</u>
SW102570	The number of stormwater related articles published. <u>0</u>
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. <u>0</u>
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bill <u>0</u>
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. <u>0</u>

Public Involvement and Participation

SW102620	Public Involvement and Participation
SW102630	<p>Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP, the SWMP will be updated during the next permit cycle.</u></p>
SW102640	<p>Does the Stormwater Management Program identify the target audiences of the permittee's public involvement program, including a description of the types of ethnic and economic groups engaged?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>The SWMP will be updated during the next permit cycle.</u></p>
SW102650	<p>Permittee are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.</p>
SW102660	<p>Does the Stormwater Management Program describe how the permittee will involve the public in the development and implementation of the permittee's storm water management program and the types of public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups?</p> <p><u>Yes</u></p>
SW102670	<p>Has the permittee provided for the means to involve the public in the development and implementation of the permittee's storm water management program through:</p>
SW102680	<p>Public Hearings, stakeholder meetings, or other meetings?</p> <p><u>Yes</u></p>
SW102690	<p>A Stormwater Steering Committee (or similar advisory group)?</p> <p><u>Yes</u></p> <p>Comments: <u>The TOK holds monthly planning and engineering committee that covers Stormwater related issues. A Stormwater Steering Committee was created, but disbanded due to lack of participation and events.</u></p>
SW102700	<p>Stream clean-up events?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u></p>
SW102710	<p>Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?</p> <p><u>Yes</u></p>
SW102720	<p>Reforestation programs or wetland planting programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with reforestation and wetland planting programs in the future.</u></p>

SW102730	A stormwater hotline? <u>Yes</u> Comments: <u>919-217-2257</u>
SW102740	Volunteer monitoring programs? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with implementing a volunteer monitoring program in the future.</u>
SW102750	Storm drain stenciling? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with a stenciling program in the future.</u>
SW102760	Encourage neighborhood coordinators to become active in the program? <u>Yes</u>
SW102770	Regional workshops? <u>Yes</u> Comments: <u>CWEP provides workshops</u>
SW102780	Telephone/Web/Mall surveys? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to evaluate the Stormwater program and may proceed with public surveys in the future.</u>
SW102790	Working with citizen volunteers willing to educate others about the program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with volunteer education in the future.</u>
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program <u>1</u> Comments: <u>1- Adopt-a-trail program with 5 corporate sponsors</u>
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons). <u>1</u> Comments: <u>Adopt-a-trail program removed less than 1 ton of trash and debris</u>
SW102860	Surveys
SW102870	The number of citizens solicited to complete surveys. <u>0</u>

SW102880	The number of completed surveys. <u>0</u>
SW102890	Hotlines
SW102900	The number of calls received by a hotline(s). <u>0</u> Comments: <u>TOK is currently working to further advertise the Towns IDDE hotline.</u>
SW102910	The number of problems/incidents remedied as a result of hotline calls. <u>0</u>
SW102920	Reforestation Programs
SW102930	The number of volunteer tree planters. <u>0</u>
SW102940	The number of trees planted. <u>0</u>
SW102950	The number of acres planted with trees. <u>0</u>
SW102960	Public Hearings, stakeholder meetings, or other meetings
SW102970	The number of meetings held. <u>0</u>
SW102980	The number of attendees. <u>0</u>
SW102990	The number of actions taken as a result of stakeholder meetings. <u>0</u>
SW103000	Storm Drain Stenciling
SW103010	The percent of drains stenciled. <u>0</u>
SW103020	The number of stenciling volunteers. <u>0</u>
SW103030	The number of drains stenciled. <u>0</u>
SW103040	Stream Cleanup
SW103050	The number of stream cleanups. <u>0</u>
SW103060	The number of cleanup participants. <u>0</u>

SW103070	The quantity of waste collected as a result of cleanup efforts (in tons). <u>0</u>
SW103080	The number of stream miles cleaned. <u>0</u>
SW103090	Volunteer Monitoring
SW103100	The number of volunteers participating in monitoring programs. <u>0</u>
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Quarter and A-annually). <u>0</u>
SW103120	The number of volunteer monitoring stations established in the watershed. <u>0</u>
SW103130	The number of volunteer monitoring training sessions held. <u>0</u>
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers. <u>0</u>
SW103150	Wetland Plantings
SW103160	The acres of land planted. <u>0</u>
SW103170	The number of volunteers that participated in planting. <u>0</u>
SW103180	The number of planting events held. <u>0</u>

Illicit Discharge Detection and Elimination

SW103190	<u>Illicit Discharge Detection and Elimination</u>
SW103200	Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Frequency of BMP and implementation schedule not included in current SWMP, will amend next permit cycle.</u>
SW103210	Stormwater Map
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters? <u>Yes</u>
SW103260	Does stormwater mapping include drainage areas? <u>No</u> Root Cause : <u>Best Management Practice is not current</u> Plan of Action: <u>Map is still under development. A Sub-catchment layer is currently being developed.</u>
SW103270	Does stormwater mapping include receiving streams? <u>Yes</u>
SW103280	Does stormwater infrastructure mapping include outfalls? <u>Yes</u>
SW103290	Estimated or actual number of outfalls. <u>80</u>
SW103300	Does stormwater infrastructure mapping include sewer pipes? <u>Yes</u>
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other structural BMPs)? <u>Yes</u>
SW103320	Estimated or actual number of structural BMPs? <u>88</u>
SW103330	Percent of outfall mapping complete. <u>90</u>
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism? <u>Yes</u>
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented? <u>Yes</u>

SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills? <u>Yes</u>
SW103370	The permittee must implement an inspection program to detect dry weather flows at system outfalls and at a minimum, must address the following:
SW103380	Procedures for locating priority areas.
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permittee will use to detect the location of the source.
SW103400	Procedures for removing the source of the illicit discharge.
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.
SW103420	Does the Stormwater Management Program address the following categories of non storm water discharges or flows (i.e., illicit discharges) only if permittee identify them as significant contributors of pollutants to the permittees small MS4: <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Non-Stormwater discharges will be evaluated in the next permit cycle</u>
SW103430	landscape irrigation;
SW103440	water line flushing;
SW103450	diverted stream flows;
SW103460	uncontaminated groundwater infiltration;
SW103470	discharges from potable water sources;
SW103480	air conditioning condensate (commercial/residential);
SW103490	springs;
SW103500	footing drains;
SW103510	residential and charity car washing;
SW103520	dechlorinated swimming pool discharges;
SW103530	rising groundwaters;
SW103540	uncontaminated pumped groundwater;
SW103550	foundation drains;
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);
SW103570	water from crawl space pumps;
SW103580	lawn watering;

SW103590	flows from riparian habitats and wetlands;
SW103600	street wash water;
SW103610	flows from emergency fire fighting.
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharge that will not be addressed as illicit discharges.
SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).
SW103640	Does the Stormwater Management Program document local controls or conditions placed on discharge and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Non-stormwater discharges will be evaluated in the next permit cycle.</u>
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program supplement is still under development.</u>
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u> Comments: <u>Stormwater Hotline is advertised online and on the the primary fleet vehicle used for SW response.</u>
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system <u>Yes</u> Comments: <u>Spreadsheet located on S drive</u>
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>Yes</u> Comments: <u>Incident report Forms are completed for every reported incident</u>
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution? <u>Yes</u> Comments: <u>CWEP provides educational materials on behalf of TOK</u>
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls? <u>Yes</u>

SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illic discharge cross connections between sanitary and storm sewers? <u>Yes</u> Comments: <u>All IDDE reports or investigations revealing connections to sanitary are forwarded to Raleigh utilities.</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u> Comments: <u>Plan review by City of Raleigh to ensure delineation</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE Program still under development</u>
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. <u>0</u>
SW103870	The number of illicit connections reported by citizens. <u>0</u>
SW103880	The number of illicit connections found. <u>0</u>
SW103890	The number of illicit connections repaired/replaced. <u>0</u>
SW103900	The number of illicit connection referrals. <u>0</u>
SW103910	Illegal Dumping
SW103930	The number of illegal dumps reported by citizens. <u>0</u>
SW103940	The number of penalties enforced upon the participants of illegal dumps. <u>0</u>
SW103950	The number of illegal dump or sit-out clean-ups completed. <u>0</u>
SW103970	Industrial or Business Connections
SW103980	The number of dry weather tests/inspections completed. <u>0</u>
SW103990	The number of high-risk connections prioritized. <u>0</u>

SW104000	The number of illicit connections reported by employees or businesses. <u>0</u>
SW104010	The number of illicit connections found. <u>0</u>
SW104020	The number of illicit connections repaired/replaced. <u>0</u>
SW104030	Recreational Sewage
SW104040	The number of pump-out stations. <u>0</u>
SW104050	The number of no-discharge areas created. <u>0</u>
SW104060	The number of new signs added to inform users of dumping policies and alternatives. <u>0</u>
SW104070	The number of enforced cases of recreational dumping. <u>0</u>
SW104080	The number of citizen complaints made reporting illegal action. <u>0</u>
SW104090	Sanitary Sewer Overflows (SSO)
SW104100	The number of overflows reported. <u>0</u>
SW104110	The number of overflow causes that were identified during inspections. <u>0</u>
SW104120	The number of sites repaired. <u>0</u>
SW104130	Wastewater Connections to the Storm Drain System
SW104140	The number of rerouted connections. <u>0</u>
SW104150	The number of dry weather monitoring activities performed. <u>0</u>
SW104160	The number of unwarranted connections reported. <u>0</u>
SW104170	The number of unwarranted connections found. <u>0</u>

SW104180

The number of unwarranted connections repaired/replaced.

0

Construction Site Stormwater Runoff Control

SW104190	<u>Construction Site Stormwater Runoff Control</u>
SW104200	<p>Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development? (If no, go to SW104220)</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u></p>
SW104210	<p>If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development, than the NCDENR Division of Land Resources Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development.</p>
SW104220	<p>Does the permittee rely on a locally delegated program to meet the minimum measure for private development requirements? (If no, go to SW104300)</p> <p><u>Yes</u></p>
SW104230	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random inspections of local land disturbing activities that have a sediment and erosion control permit, issued by local government?</p> <p><u>Yes</u></p>
SW104250	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are not in compliance with their sediment and erosion control permits to the local government?</p> <p><u>Yes</u></p>
SW104260	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved concerns to the local government?</p> <p><u>Yes</u></p>
SW104270	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of unresolved concerns reported to the local government?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Wake County provides Construction Site Runoff Control</u></p>
SW104300	<p>Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for private development? (If no go to SW104450)</p> <p><u>No</u></p> <p>Root Cause : <u>Authority is ineffective and/or inadequate</u></p> <p>Plan of Action: <u>TOK is not a delegated authority, and relies on WC to implement the requirements of our Construction Site Runoff Program.</u></p>
SW104310	<p>Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>Not Applicable</u></p>

SW104320	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to require erosion and sediment controls at construction sites and why the permittee chose that mechanism? <u>Not Applicable</u>
SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and a schedule to do so.
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans, which incorporate consideration of potential water quality impacts? <u>Not Applicable</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance? <u>Not Applicable</u>
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such as stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection? <u>Not Applicable</u>
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts? <u>Not Applicable</u>
SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality? <u>Not Applicable</u>
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems? <u>Yes</u> Comments: <u>Stormwater Hotline / Stop Mud: 1-866-STOPMUD</u>
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.
SW104470	Staff Training and Certification
SW104480	The number of training and certification programs offered to staff. <u>2</u> Comments: <u>Level I / II NCDOT certifications</u>
SW104490	The number of trained staff inspectors. <u>2</u>

SW104500	The number of certified staff inspectors. <u>1</u>
SW104510	The number of certified contractors by permittee. <u>0</u>
SW104520	Inspection and Enforcement
SW104530	The number of plans reviewed greater than one acre. <u>14</u>
SW104590	The number of enforcement actions or NOVs taken. <u>6</u> Comments: <u>5 NOVs and 1 CPA</u>

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	<u>Post-Construction Storm Water Management in New Development and Redevelopment</u>
SW104900	Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW104910	Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects? <u>Yes</u>
SW104920	The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulate public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.
SW104930	Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs? <u>Yes</u>
SW104940	Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities. <u>Yes</u>
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during the next permit cycle.</u>
SW105010	Do new development and redevelopment codes allow for the following:
SW105020	Bioretention basins? <u>Yes</u>
SW105030	Alternative pavers? <u>Yes</u>
SW105040	Buffer zones? <u>Yes</u>
SW105050	Dry ponds? <u>Yes</u>
SW105060	Wet ponds? <u>Yes</u>
SW105070	Alternatives to curb and gutter? <u>Yes</u>

SW105080	Grass swales? <u>Yes</u>
SW105090	Grassed filter strips? <u>Yes</u>
SW105100	Green parking lots? <u>Yes</u>
SW105110	In-line storage systems? <u>Yes</u>
SW105120	Infiltration basins? <u>Yes</u>
SW105130	Infiltration trenches? <u>Yes</u>
SW105140	Manufactured products installed in storm water inlets? <u>Yes</u>
SW105150	Developments and redevelopments that use narrow streets? <u>Yes</u>
SW105160	On-lot treatment? <u>Yes</u>
SW105170	Open space design? <u>Yes</u>
SW105180	Sand and organic filters? <u>Yes</u>
SW105190	Porous pavement? <u>Yes</u>
SW105200	Stormwater wetlands? <u>Yes</u>
SW105210	Urban forestry? <u>Yes</u>
SW105220	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No wastewater treatment facilities located within town limits.</u>

SW105230	Does the Stormwater Management Program provide training for staff and developers/builders? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with developer/builder education in the future</u>
SW105260	BMP Inspection and maintenance
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional? <u>Yes</u>
SW105280	The number of BMP inspections and/or maintenance activities. <u>33</u> Comments: <u>33 owners conducted their own annual inspections and submitted reports to TOK, 18 deficient sites were identified with 9 having completed repairs at this time.</u>
SW105290	The number of problems that were identified and remedied. <u>18</u> Comments: <u>18 total deficient sites with 9 being repaired at this time.</u>
SW105300	New Development and Redevelopment BMP Summary
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater contro <u>47</u> Comments: <u>47 projects, with 91 total SCM devices in TOK</u>
SW105550	Evaluation of Post-construction Stormwater Management Program Measures
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equa or exceed the stormwater management and water quality protection provided by the following model practices:
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project? <u>Yes</u>
SW105580	Do projects permitted as a low density projects meet the following criteria: <u>Yes</u>
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
SW105610	Are projects permitted as high density projects meet the following requirements: <u>Yes</u>
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;

SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A NCAC 2H .1008(c);
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans? <u>Yes</u>
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters? <u>Yes</u>
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management? <u>Yes</u> Comments: <u>Neuse Regional Watershed Plan and Wake-Johnson Collaborative Local Watershed Plan</u>
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature? <u>Not Applicable</u> Comments: <u>No trout waters identified within the TOK corporate limits</u>
SW105710	Additional Requirements for Nutrient Sensitive Waters
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected? <u>Yes</u>
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during the next permit cycle</u>
SW105740	In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement.

Pollution Prevention/Good Housekeeping for Municipal Operations

SW105750	<u>Pollution Prevention/Good Housekeeping</u>
SW105760	Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u>
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u>
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.
SW105790	Municipal Operations include:
SW105800	Transfer Station <u>No</u>
SW105810	Fleet Maintenance <u>Yes</u>
SW105820	Airport <u>No</u>
SW105830	Animal Shelters <u>No</u>
SW105840	Waste Water Treatment Plan <u>No</u>
SW105850	Water Plants <u>No</u>
SW105860	Construction Debris Site <u>No</u>
SW105870	Transit Authority <u>No</u>
SW105880	Public Works Operations <u>Yes</u>

SW105890	Prisons <u>No</u>
SW105900	Emergency Service Facilities <u>Yes</u>
SW105910	Fire Stations <u>Yes</u>
SW105920	Landfills <u>No</u>
SW105930	Schools <u>Yes</u>
SW105940	Parks <u>Yes</u>
SW105950	Waste Recycling Centers <u>No</u>
SW105960	Vehicle Maintenance Operations <u>Yes</u>
SW105970	Vehicle Wash Operations <u>Yes</u>
SW105980	Pump Stations or Lift Stations <u>No</u>
SW105990	Other: <u>n/a</u>
SW106000	<p>In addition to conducting staff training on stormwater pollution prevention and good housekeeping procedures, does the Stormwater Management Program describe any government employee training program the permittee will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances and storm water system maintenance?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106010	<p>Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>

SW106030	<p>Does the Stormwater Management Program describe maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the permittee's MS4?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106050	<p>Does the Stormwater Management Program describe the permittee's procedures for the proper disposal of waste removed from the permittee's MS4 and the permittee's municipal operations, including dredged spoil, accumulated sediments, floatables, and other debris?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106110	Industrial Activities
SW106120	<p>Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106130	<p>Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring reports required by the Phase I permit, and the results of inspections and subsequent follow-up actions at the facilities.</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106160	<p>Does the permittee have a Used Oil Recycling Program?</p> <p><u>Yes</u></p>
SW106170	<p>Does the permittee have a street sweeping program?</p> <p><u>Yes</u></p>
SW106180	<p>Does the permittee have a program to clean catch basins, storm lines, and ditches?</p> <p><u>Yes</u></p>
SW106190	<p>Does the permittee review fertilizer and pesticide use programs?</p> <p><u>Yes</u></p> <p>Comments: <u>Public Works staff that administer Pesticide/Herbicide's are licensed applicators with annual renewals</u></p>
SW106200	<p>Does the permittee have spill prevention plans at city facilities?</p> <p><u>Yes</u></p> <p>Comments: <u>S.M.A.R.T Spill Response Procedure</u></p>
SW106210	City Facilities Inspections

SW106220	<p>Does the permittee inspect vehicle washing fueling, storage and maintenance areas?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106230	<p>Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106240	<p>Does the permittee inspect stormwater outfalls?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106250	<p>Does the permittee inspect culverts?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>IDDE / Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106260	<p>Does the permittee inspect swales/ditches?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106270	<p>Does the permittee inspect catch basins, inlets, and grates?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106280	<p>Does the permittee inspect MS4 pipes?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106290	<p>Does the permittee inspect solid and hazardous waste management facilities and recycling centers?</p> <p><u>Not Applicable</u></p>
SW106300	<p>Does the permittee inspect animal shelters and pounds?</p> <p><u>Not Applicable</u></p>
SW106310	<p>Does the permittee inspect parking lots?</p> <p><u>Yes</u></p>

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u> Comments: <u>Parks are inspected for wash and sediment issues, a consultant performs SCM inspections and Maintenance</u>
SW106330	The number of inspections conducted. <u>4</u> Comments: <u>quarterly</u>
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities. <u>0</u>
SW106420	The number of sites rewarded as being a "clean site" under a rewards program. <u>0</u>
SW106430	The number of spills reported. <u>0</u>
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-related businesses. <u>1</u> Comments: <u>Generated by IDDE Investigation, provided template for SWPPP for auto body establishments</u>
SW106450	Hazardous Materials Storage
SW106460	The total number of storage facilities equipped to store hazardous materials. <u>3</u>
SW106470	The number of regularly inspected storage units. <u>3</u>
SW106480	The number of employees trained in hazardous material storage and maintenance. <u>8</u>
SW106490	Illegal Dumping
SW106500	The number of "no dumping" signs posted. <u>8</u>
SW106510	The number of educational materials distributed. <u>8</u>
SW106520	The number of reports of illegal dumping received. <u>0</u>
SW106530	The number of dump sites and/or illegal sit-outs cleaned up. <u>0</u>
SW106540	The number of sites improved to eliminate as target dumping spots. <u>0</u>

SW106550	The number of enforcement actions pertaining to illegal dumping. <u>0</u>
SW106560	Landscape and Lawn Care, and Pest Control
SW106570	The number of stores/gardens participating in education programs. <u>0</u>
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest manager techniques. <u>0</u>
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. <u>0</u>
SW106610	The number of municipal employees trained in integrated pest management. <u>2</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. <u>9</u> Comments: <u>9 parking lots located at public facilities</u>
SW106640	The number of scheduled parking lot and/or road cleanings. <u>unknown</u> Comments: <u>monthly sweeps conducted along all roads with curb</u>
SW106650	Pet Waste
SW106660	The number of dog parks. <u>1</u>
SW106670	The number of "pooper-scooper" stations installed <u>8</u>
SW106680	The number of educational materials distributed. <u>0</u>
SW106690	Road Salt Application and Storage
SW106700	The number of storage facilities included in a regular inspection and maintenance program. <u>1</u>
SW106710	The number of employees trained in road salt application. <u>1</u>
SW106720	The quantity of salt applied to roadways (in tons). <u>1</u> Comments: <u>≤ 1 ton</u>

SW106730	The quantity of alternative products used (in tons). <u>0</u>
SW106800	Spill Response and Prevention
SW106810	The number of leak detection devices installed at municipal facilities. <u>0</u>
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment. <u>1</u> Comments: <u>Boiler inspection performed by state</u>
SW106830	The number of personnel trained in spill response. <u>5</u> Comments: <u>All OPS staff - OSHA Training</u>
SW106840	The number of regularly inspected high-risk facilities. <u>0</u>
SW106850	The number of educational materials distributed to municipal employees. <u>0</u>
SW106860	Storm Drain System Cleaning
SW106870	The number of outfalls cleaned regularly. <u>5</u>
SW106880	The number of storm drains cleaned regularly. <u>20</u>
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons). <u>1</u> Comments: <u>≤ 1 ton</u>
SW106900	Used Oil Recycling
SW106910	The number of gallons of used oil collected from municipal operations. <u>150</u>
SW106920	The number of recycling facilities that collect oil from municipal operations. <u>1</u> Comments: <u>one contracted oil recycling vendor</u>
SW106930	The number of educational materials distributed to municipal employees. <u>0</u>
SW106940	Vehicle Washing
SW106950	The number of educational materials distributed to municipal employees. <u>0</u>

SW106960

The number of designated municipal vehicle washing areas.

0

Program Accomplishments

SW106970	<u>Staff and Capital Improvement Projects</u>
SW106980	The number of staffed stormwater management position(s). <u>3.5 FTE's</u>
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year. <u>1 FTE</u>
SW107000	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year. <u>1,164,878</u>
SW107010	The number of Capital Improvement Projects planned. <u>1</u>
SW107020	The number of Capital Improvement Projects active. <u>0</u>
SW107030	The number of Capital Improvement Projects completed. <u>2</u>
SW107040	Total annual budget for Capital Improvement Projects for the reporting year. <u>615,000</u>

Ordinance, Legal or Regulatory Authority

SW107050	<u>Ordinance, Legal or Regulatory Authority</u>
SW107060	Illicit Discharge Detection & Elimination <u>Adopted</u>
SW107070	Erosion & Sediment Control <u>Adopted</u>
SW107080	Post-Development Stormwater Management <u>Adopted</u>
SW107090	Stormwater Ordinance <u>Adopted</u>
SW107100	Unified Development Ordinance <u>Adopted</u>
SW107110	Flood Damage Protection Ordinance <u>Adopted</u>
SW107120	Other: <u>Not Applicable</u>
SW107130	Other: <u>Not Applicable</u>
SW107140	Other: <u>Not Applicable</u>



**N.C. Division of Energy, Mineral and Land Resources
(DEMLR)**

**Stormwater Management
Program Assessment**

512 N.Salisbury Street , Raleigh NC 27604

Contained In this Report

- Permit Number : NCS000460

Town of Knightdale

Permit Number: NCS000460

Report Number: NCS000460_2022

County: Wake

Region: Raleigh

2022

Background Information

SW100010

APPLICANT STATUS INFORMATION

SW100020

Name of Public Entity Seeking Permit Coverage

Town of Knightdale

SW100060

Jurisdictional Area (square miles)

6.19

SW100070

Population Permanent

11401

Comments: From 2010 Census. Estimated 16,753.

<https://www.knightdalenc.gov/sites/default/files/uploads/qfds2019011519.pdf>

SW100080

Population Seasonal (if available)

n/a

SW100110

RPE / MS4 SYSTEM INFORMATION

SW100120

Storm Sewer Service Area (square miles)

6.19

SW100130

River Basin(s)

1 - Neuse

SW100150

Estimated percentage of jurisdictional area containing the following four land use activities

SW100160

Residential

25

SW100170

Commercial

5

SW100180

Industrial

5

SW100190

Open Space

65

SW100210

Do you have an inventory of storm water inlets, pipes, ditches, and open channels?

Yes

SW100220

Do you know how many outfalls your city discharges to and where they are located?

Yes

SW100260

EXISTING LOCAL WATER QUALITY PROGRAMS

SW100270 "Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know the various uses of your receiving waters so you can design a program to protect those uses. Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. "

SW100280 River Basin

SW100283 Program 1

SW100290 Receiving Stream Name
Neuse River Estuary

SW100300 Stream Segment
27-(22.5)b,c

SW100310 Water Quality Classification
C;NSW

SW100320 Use Support Rating

SW100325 TMDL
Yes
Comments: Nitrogen

SW100331 Program 2

SW100332 Receiving Stream Name
Beaver Dam Creek

SW100333 Stream Segment
27-29

SW100334 Water Quality Classification
C;NSW

SW100335 Use Support Rating

SW100336 TMDL
No

SW100337 Program 3

SW100338 Receiving Stream Name
Milburnie Creek

SW100339 Stream Segment
27-31

SW10033A	Water Quality Classification <u>C:NSW</u>
SW10033B	Use Support Rating
SW10033C	TMDL <u>No</u>
SW10033D	Program 4
SW100400	Your river basin table should list the primary streams that receive stormwater runoff from the MS4 jurisdictional area. Primary streams are those that are shown on a USGS topo maps or SCS map. Streams that are shown on the USGS or SCS maps but do not have a name shall be listed as an unnamed tributary to the nearest named downstream receiving water body.
SW10033E	Receiving Stream Name <u>Mingo Creek</u>
SW10033F	Stream Segment <u>27-32</u>
SW10033G	Water Quality Classification <u>C:NSW</u>
SW10033H	Use Support Rating
SW10033I	TMDL <u>Yes</u>
SW100340	Local Nutrient Sensitive Waters Strategy <u>Yes</u> Comments: https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed Planning/Neuse River Basin/Neuse 01 RWP/Neuse%2001%20RWP%20Fact%20Sheet%202020160.p9df https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Srevicees/Watershed Planning/Neuse River Basin/Wake Johnston Collaborative/WJC%20LWP%20Preliminary%20Findings%20Report%20FINAL.pdf
SW100350	Local Water Supply Watershed Program <u>Yes</u>
SW100360	Delegated Erosion and Sediment Control Program <u>Yes</u>
SW100370	CAMA Land Use Plan <u>No</u>
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html

SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html
SW100490	<u>CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)</u>
SW100500	Do you co-permit with a permitted Phase I entity? <u>No</u>
SW100510	If so, provide the name of that entity: <u>n/a</u>
SW100550	Other Entity <u>n/a</u>
SW100560	Have legal agreements been finalized between the co-permittees? <u>No</u>
SW100570	<u>RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS</u>
SW100580	Do you intend that another entity perform one or more of your permit obligations? <u>Yes</u>
SW100590	If yes, identify each entity and the element they will be implementing
SW100600	Name of Entity <u>Wake County Environmental Services</u>
SW100610	Element they will implement <u>Construction Site Runoff Controls</u>
SW100620	Contact Person <u>Karen Pageau</u>
SW100630	Contact Address <u>336 Fayetteville Street</u>
SW100640	Contact Telephone Number <u>919-736-8769</u>
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
SW100660	<u>PERMITS AND CONSTRUCTION APPROVALS</u>
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee <u>Permit No. NCS000460 Issued 2/20/2017</u>
SW100920	<u>MS4 CONTACT INFORMATION</u>
SW100930	Provide the following information for the person/position that will be responsible for day to day implementation and oversight of the stormwater program.
SW100940	Name <u>Dustin Tripp</u>

SW100950	Title <u>Assistant Town Manager</u>
SW100960	Street Address <u>950 Steeple Square Court</u>
SW100970	PO Box <u>n/a</u>
SW100980	City <u>Knightdale</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>27545</u>
SW101010	Telephone <u>919-217-2201</u>
SW101020	Fax <u>919-217-2249</u>
SW101030	E-Mail <u>dustin.tripp@knightdalenc.gov</u>
SW101040	"Permittee's Website" <u>https://www.knightdalenc.gov/departments/engineering/stormwater-management</u>
SW101050	<u>BMPs</u>
SW101060	Do you plan to add any new BMPs? <u>No</u>
SW101070	Do you plan to amend any existing BMPs? <u>No</u>
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. If further space is needed, attach additional sheets.

Information specifically regarding the permit

SW101460 Permitting Information

SW101490 Does the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into the structure of the permittee's organization?
Yes

Co-Permitting Information

SW101570 Contract Operations

SW101630 Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)
No
Root Cause : Best Management Practice is not current

Public Education and Outreach

SW101690	Public Education and Outreach
SW101700	<p>Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Frequency of BMP and implementation schedule not included in current SWMP, Will amend next permit cycle.</u></p>
SW101710	<p>Does the Stormwater Management Program identify the target audiences likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected?</p> <p><u>Yes</u></p>
SW101720	<p>Does the Stormwater Management Program identify what target pollutant sources the permittee's public education program is designed to address and why those sources are an issue?</p> <p><u>Yes</u></p>
SW101730	<p>Does the Stormwater Management Program describe the permittee's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans to inform individuals and groups on how to become involved in the storm water program?)</p> <p><u>Yes</u></p>
SW101750	<p>Has the permittee developed general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program.</p> <p><u>Yes</u></p> <p>Comments: <u>Clean Water Education Partnership (CWEP) is contracted to provide public education and Outreach and has developed educational materials</u></p>
SW101760	Does general stormwater educational material include information on the following topics:
SW101770	Household Hazardous Waste <u>Yes</u>
SW101780	Pet Waste <u>Yes</u>
SW101790	Septic Systems <u>Yes</u>
SW101800	Lawn and Gardening <u>Yes</u>
SW101810	Vehicle Washing <u>Yes</u>
SW101820	Erosion <u>Yes</u>

SW101830	Stream Buffers <u>Yes</u>
SW101840	Flooding <u>Yes</u>
SW101850	Litter <u>Yes</u>
SW101860	List any additional topics not identified above. <u>n/a</u>
SW101870	Does the permitteenulls outreach program include:
SW101880	Distributing printed educational material to general public through utility mail outs? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>Town of Knightdale and CWEP have websites where educational materials are presented These alternative methods will be relied upon.</u>
SW101890	Distributing printed educational material to general public through special events (i.e., Information boot at festivals and fairs)? <u>Yes</u>
SW101900	Distributing printed educational material to business / industry? <u>Yes</u> Comments: <u>TOK mailed 29 letters to SCM owners in 2021-2022 detailing the annual inspection requirements and general Stormwater information</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No school programming was conducted in the 2021-2022 due to COVID-19. The town will resume these programs once restrictions are lifted.</u>
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK and CWEP have websites where educational materials are presented. These alternative means will be relied upon</u>

SW101960	<p>Storm drain stenciling</p> <p><u>No</u></p> <p>Root Cause : <u>Funds for stormwater management related activities are not sufficient</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stenciling in the future</u></p>
SW101970	<p>Other environmental education programs (i.e., Designate a "Keep SW Clean" month)?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>CWEP provides educational programming</u></p>
SW101980	<p>Workshops</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>No workshops were conducted in 2021-2022 due to restrictions associated with COVID-19. The town will resume these programs once these restrictions are lifted.</u></p>
SW101990	<p>Stream basin signage?</p> <p><u>No</u></p> <p>Root Cause : <u>Funds for stormwater management related activities are not sufficient</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stream basin signage in the future</u></p>
SW102000	<p>Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff?</p> <p><u>Yes</u></p> <p>Comments: <u>https://www.knightdale.gov/departments/engineering/stormwater-management</u></p>
SW102020	<p>Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff?</p> <p><u>Yes</u></p> <p>Comments: <u>https://www.knightdale.gov/departments/engineering/stormwater-management</u></p>
SW102060	<p>Classroom Outreach</p>
SW102070	<p>The number of educational materials distributed to schools.</p> <p><u>0</u></p> <p>Comments: <u>No education materials were provided to schools in 2021-2022 due to restrictions associated with the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted</u></p>
SW102080	<p>The number of schools that participate in municipal-sponsored storm water workshops or activities.</p> <p><u>0</u></p> <p>Comments: <u>No education materials were provided to schools in 2021-2022 due to restrictions associated with the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted</u></p>
SW102090	<p>The number of students that participate in municipal-sponsored storm water workshops or activities.</p> <p><u>0</u></p> <p>Comments: <u>No education materials were provided to schools in 2021-2022 due to restrictions associated with the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted</u></p>

SW102100	The number of workshops held for teachers. <u>0</u>
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education. <u>0</u>
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. <u>0</u>
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets
SW102150	The number of stormwater related displays at special events or meetings. <u>3</u> Comments: <u>SW booths were set up at two town hosted events. The 2021 Parks & Recreation Event, the 2021 Tree Lighting Ceremony, and the 2022 Creek Week Event</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>444</u> Comments: <u>312 total interactions / 132 materials distributed during the two events</u>
SW102170	Number of new homeowner welcome packets containing storm-water-related information. <u>0</u>
SW102180	The number of signs and billboards with stormwater related messages. <u>0</u>
SW102190	The number of stormwater related presentations at special events or meetings. <u>0</u>
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. <u>29</u> Comments: <u>TOK mailed 29 letters to SCM owners detailing the annual inspection requirements and general stormwater information.</u>
SW102220	The number of businesses trained under the stormwater program. <u>0</u>
SW102310	Pet Waste Management
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods. <u>8</u>
SW102330	The number of dog-walking designated areas in parks. <u>8</u>
SW102340	The number of posters/brochures put up in pet supply stores. <u>0</u>

SW102350	The number of educational materials given out to pet owners. <u>0</u>
SW102360	Promotional Giveaways
SW102370	The number of items given out. <u>6</u> Comments: <u>6 riparian trees were given out as part of the Towns 2022 Creek Week Event</u>
SW102380	The number of events attended (to give out items). <u>1</u>
SW102390	The number of partnerships for promotions (radio, TV, Businesses). <u>0</u>
SW102400	Proper Disposal of Household Hazardous Waste
SW102410	The number of household hazardous waste curbside pickup days. <u>0</u> Comments: <u>TOK does not provide curbside pickup for HHW</u>
SW102420	The number of educational materials distributed to homeowners. <u>0</u>
SW102430	The number of partnerships established with businesses. <u>0</u>
SW102440	Outreach Programs to Minority and Disadvantaged
SW102450	The number of brochures/posters created in non-English languages. <u>1</u> Comments: <u>CWEP Materials contain both English and Spanish versions which are handed out during town events</u>
SW102460	The number of educational materials distributed in non-English languages. <u>7</u> Comments: <u>CWEP advertised in the Spanish-language newspaper "La Noticia" once weekly for 7 weeks. This quarter-page ad highlighted the importance of properly disposing of litter for stormwater pollution prevention, as well as the effects of clogged conveyances.</u>
SW102470	The number of partnerships established with minority organizations. <u>0</u>
SW102480	The number of educational materials distributed to low-income neighborhoods. <u>0</u>
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods. <u>0</u>
SW102540	Using the Media

SW102550	The number of public service announcements made on radio and TV. <u>Unknown</u> Comments: <u>CWEP produces a cinema campaign, a spectrum digital campaign, a digital CBC campaign, a Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 60,643 impressions for our community.</u>
SW102560	The number of stormwater related press releases/advertising. <u>Unknown</u> Comments: <u>CWEP produces a cinema campaign, a spectrum digital campaign, a digital CBC campaign, a Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided an estimate of 60,643 impressions for our community.</u>
SW102570	The number of stormwater related articles published. <u>0</u>
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. <u>0</u>
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bill <u>0</u>
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. <u>0</u>

Public Involvement and Participation

SW102620	Public Involvement and Participation
SW102630	<p>Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP, the SWMP will be updated during the next permit cycle.</u></p>
SW102640	<p>Does the Stormwater Management Program identify the target audiences of the permittee's public involvement program, including a description of the types of ethnic and economic groups engaged?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is inadequate</u></p> <p>Plan of Action: <u>The SWMP will be updated during the next permit cycle</u></p>
SW102650	<p>Permittee are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.</p>
SW102660	<p>Does the Stormwater Management Program describe how the permittee will involve the public in the development and implementation of the permittee's storm water management program and the types of public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups?</p> <p><u>Yes</u></p>
SW102670	<p>Has the permittee provided for the means to involve the public in the development and implementation of the permittee's storm water management program through:</p>
SW102680	<p>Public Hearings, stakeholder meetings, or other meetings?</p> <p><u>Yes</u></p>
SW102690	<p>A Stormwater Steering Committee (or similar advisory group)?</p> <p><u>Yes</u></p> <p>Comments: <u>The TOK holds monthly planning and engineering committee that covers Stormwater related issues. A Stormwater Steering Committee was created, but disbanded due to lack of participation and events</u></p>
SW102700	<p>Stream clean-up events?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u></p>
SW102710	<p>Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?</p> <p><u>Yes</u></p>
SW102720	<p>Reforestation programs or wetland planting programs?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u></p>

SW102730	A stormwater hotline? <u>Yes</u> Comments: <u>919-217-2257</u>
SW102740	Volunteer monitoring programs? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u>
SW102750	Storm drain stenciling? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u>
SW102760	Encourage neighborhood coordinators to become active in the program? <u>Yes</u>
SW102770	Regional workshops? <u>Yes</u> Comments: <u>CWEP provides workshops that are promoted by the town via social media</u>
SW102780	Telephone/Web/Mall surveys? <u>No</u> Root Cause : <u>Funds for stormwater management related activities are not sufficient</u> Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u>
SW102790	Working with citizen volunteers willing to educate others about the program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.</u>
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program <u>1</u> Comments: <u>Adopt-a-trail program with 5 corporate sponsors</u>
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons). <u>1</u> Comments: <u>Adopt-a-trail program removed less than 1 ton of trash and debris</u>
SW102860	Surveys
SW102870	The number of citizens solicited to complete surveys. <u>0</u>

SW102880	The number of completed surveys. <u>0</u>
SW102890	Hotlines
SW102900	The number of calls received by a hotline(s). <u>0</u> Comments: <u>TOK is currently working to further advertise the Towns IDDE hotline</u>
SW102910	The number of problems/incidents remedied as a result of hotline calls. <u>0</u> Comments: <u>TOK is continuing to advertise the Towns IDDE hotline</u>
SW102920	Reforestation Programs
SW102930	The number of volunteer tree planters. <u>0</u>
SW102940	The number of trees planted. <u>0</u>
SW102950	The number of acres planted with trees. <u>0</u>
SW102960	Public Hearings, stakeholder meetings, or other meetings
SW102970	The number of meetings held. <u>0</u>
SW102980	The number of attendees. <u>0</u>
SW102990	The number of actions taken as a result of stakeholder meetings. <u>0</u>
SW103000	Storm Drain Stenciling
SW103010	The percent of drains stenciled. <u>0</u>
SW103020	The number of stenciling volunteers. <u>0</u>
SW103030	The number of drains stenciled. <u>0</u>
SW103040	Stream Cleanup
SW103050	The number of stream cleanups. <u>0</u>

SW103060	The number of cleanup participants. <u>0</u>
SW103070	The quantity of waste collected as a result of cleanup efforts (in tons). <u>0</u>
SW103080	The number of stream miles cleaned. <u>0</u>
SW103090	Volunteer Monitoring
SW103100	The number of volunteers participating in monitoring programs. <u>0</u>
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Quarter and A-annually). <u>0</u>
SW103120	The number of volunteer monitoring stations established in the watershed. <u>0</u>
SW103130	The number of volunteer monitoring training sessions held. <u>0</u>
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers. <u>0</u>
SW103150	Wetland Plantings
SW103160	The acres of land planted. <u>0</u>
SW103170	The number of volunteers that participated in planting. <u>0</u>
SW103180	The number of planting events held. <u>0</u>

Illicit Discharge Detection and Elimination

SW103190	<u>Illicit Discharge Detection and Elimination</u>
SW103200	Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Frequency of BMP and implementation schedule not included in current SWMP, will amend next permit cycle.</u>
SW103210	Stormwater Map
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters? <u>Yes</u>
SW103260	Does stormwater mapping include drainage areas? <u>Yes</u> Comments: <u>Subcatchment mapping was completed in early 2022</u>
SW103270	Does stormwater mapping include receiving streams? <u>Yes</u>
SW103280	Does stormwater infrastructure mapping include outfalls? <u>Yes</u>
SW103290	Estimated or actual number of outfalls. <u>85</u>
SW103300	Does stormwater infrastructure mapping include sewer pipes? <u>Yes</u>
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other structural BMPs)? <u>Yes</u>
SW103320	Estimated or actual number of structural BMPs? <u>90</u>
SW103330	Percent of outfall mapping complete. <u>90</u>
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism? <u>Yes</u>
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented? <u>Yes</u>

SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills? <u>Yes</u>
SW103370	The permittee must implement an inspection program to detect dry weather flows at system outfalls and at a minimum, must address the following:
SW103380	Procedures for locating priority areas.
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permittee will use to detect the location of the source.
SW103400	Procedures for removing the source of the illicit discharge.
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.
SW103420	Does the Stormwater Management Program address the following categories of non storm water discharges or flows (i.e., illicit discharges) only if permittee identify them as significant contributors of pollutants to the permittees small MS4: <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Non-Stormwater discharges will be evaluated in the next permit cycle</u>
SW103430	landscape irrigation;
SW103440	water line flushing;
SW103450	diverted stream flows;
SW103460	uncontaminated groundwater infiltration;
SW103470	discharges from potable water sources;
SW103480	air conditioning condensate (commercial/residential);
SW103490	springs;
SW103500	footing drains;
SW103510	residential and charity car washing;
SW103520	dechlorinated swimming pool discharges;
SW103530	rising groundwaters;
SW103540	uncontaminated pumped groundwater;
SW103550	foundation drains;
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);
SW103570	water from crawl space pumps;
SW103580	lawn watering;

SW103590	flows from riparian habitats and wetlands;
SW103600	street wash water;
SW103610	flows from emergency fire fighting.
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharge that will not be addressed as illicit discharges.
SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).
SW103640	Does the Stormwater Management Program document local controls or conditions placed on discharge and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4? <u>Yes</u>
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE program supplement is still under development</u>
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u> Comments: <u>Stormwater Hotline is advertised online and on the the primary fleet vehicle used for SW response.</u>
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system <u>Yes</u> Comments: <u>Spreadsheet located on S drive, and CBI tracking database for field inspectors</u>
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>Yes</u> Comments: <u>Incident report forms are completed for every reported incident</u>
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution? <u>Yes</u> Comments: <u>CWEP provides educational materials on behalf of TOK</u>
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls? <u>Yes</u>

SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illic discharge cross connections between sanitary and storm sewers? <u>Yes</u> Comments: <u>All IDDE investigations revealing connections to sanitary are forwarded to Raleigh Utilities for follow up</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u> Comments: <u>Plan review by City of Raleigh to ensure delineation</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>IDDE Program still under development</u>
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. <u>0</u>
SW103870	The number of illicit connections reported by citizens. <u>0</u>
SW103880	The number of illicit connections found. <u>0</u>
SW103890	The number of illicit connections repaired/replaced. <u>0</u>
SW103900	The number of illicit connection referrals. <u>0</u>
SW103910	Illegal Dumping
SW103930	The number of illegal dumps reported by citizens. <u>7</u>
SW103940	The number of penalties enforced upon the participants of illegal dumps. <u>3</u> Comments: <u>3 NOVs issued to IDDE violators in 2021-2022</u>
SW103950	The number of illegal dump or sit-out clean-ups completed. <u>3</u>
SW103970	Industrial or Business Connections
SW103980	The number of dry weather tests/inspections completed. <u>0</u>
SW103990	The number of high-risk connections prioritized. <u>0</u>

SW104000	The number of illicit connections reported by employees or businesses. <u>0</u>
SW104010	The number of illicit connections found. <u>0</u>
SW104020	The number of illicit connections repaired/replaced. <u>0</u>
SW104030	Recreational Sewage
SW104040	The number of pump-out stations. <u>0</u>
SW104050	The number of no-discharge areas created. <u>0</u>
SW104060	The number of new signs added to inform users of dumping policies and alternatives. <u>0</u>
SW104070	The number of enforced cases of recreational dumping. <u>0</u>
SW104080	The number of citizen complaints made reporting illegal action. <u>0</u>
SW104090	Sanitary Sewer Overflows (SSO)
SW104100	The number of overflows reported. <u>0</u>
SW104110	The number of overflow causes that were identified during inspections. <u>0</u>
SW104120	The number of sites repaired. <u>0</u>
SW104130	Wastewater Connections to the Storm Drain System
SW104140	The number of rerouted connections. <u>0</u>
SW104150	The number of dry weather monitoring activities performed. <u>0</u>
SW104160	The number of unwarranted connections reported. <u>0</u>
SW104170	The number of unwarranted connections found. <u>0</u>

SW104180

The number of unwarranted connections repaired/replaced.

0

Construction Site Stormwater Runoff Control

SW104190	<u>Construction Site Stormwater Runoff Control</u>
SW104200	<p>Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development? (If no, go to SW104220)</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>TOK received local delegation in early 2022 and worked with Wake County Environmental services to conduct a transfer of all active projects in May 2022.</u></p>
SW104210	<p>If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development, than the NCDENR Division of Land Resources Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development.</p>
SW104220	<p>Does the permittee rely on a locally delegated program to meet the minimum measure for private development requirements? (If no, go to SW104300)</p> <p><u>Yes</u></p>
SW104230	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random inspections of local land disturbing activities that have a sediment and erosion control permit, issued by local government?</p> <p><u>Yes</u></p>
SW104250	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are not in compliance with their sediment and erosion control permits to the local government?</p> <p><u>Yes</u></p>
SW104260	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved concerns to the local government?</p> <p><u>Yes</u></p>
SW104270	<p>If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of unresolved concerns reported to the local government?</p> <p><u>Yes</u></p>
SW104300	<p>Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for private development? (If no go to SW104450)</p> <p><u>Yes</u></p> <p>Comments: <u>Local delegation received in early 2022. Transition from Wake County Environmental Services completed in May of 2022.</u></p>
SW104310	<p>Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?</p> <p><u>Yes</u></p>
SW104320	<p>Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to require erosion and sediment controls at construction sites and why the permittee chose that mechanism?</p> <p><u>Yes</u></p>

SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and a schedule to do so.
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans, which incorporate consideration of potential water quality impacts? <u>Yes</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance? <u>Yes</u>
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such as stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection? <u>Yes</u>
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts? <u>Yes</u>
SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality? <u>Yes</u>
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems? <u>Yes</u>
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.
SW104470	Staff Training and Certification
SW104480	The number of training and certification programs offered to staff. <u>2</u> Comments: <u>Funding available for all staff to take NCDOT Level I & II certifications</u>
SW104490	The number of trained staff inspectors. <u>3</u>
SW104500	The number of certified staff inspectors. <u>3</u>

SW104510	The number of certified contractors by permittee. <u>0</u> Comments: <u>TOK does not offer training programs for development community</u>
SW104520	Inspection and Enforcement
SW104530	The number of plans reviewed greater than one acre. <u>3</u> Comments: <u>3 plans reviewed by TOK following delegation / transfer from Wake County between May-June 2022</u>
SW104590	The number of enforcement actions or NOVs taken. <u>5</u> Comments: <u>5 NOVs issued between May - June 2022</u>

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	<u>Post-Construction Storm Water Management in New Development and Redevelopment</u>
SW104900	Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW104910	Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects? <u>Yes</u>
SW104920	The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulate public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.
SW104930	Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs? <u>Yes</u>
SW104940	Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities. <u>Yes</u>
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during next permit cycle</u>
SW105010	Do new development and redevelopment codes allow for the following:
SW105020	Bioretention basins? <u>Yes</u>
SW105030	Alternative pavers? <u>Yes</u>
SW105040	Buffer zones? <u>Yes</u>
SW105050	Dry ponds? <u>Yes</u>
SW105060	Wet ponds? <u>Yes</u>
SW105070	Alternatives to curb and gutter? <u>Yes</u>

SW105080	Grass swales? <u>Yes</u>
SW105090	Grassed filter strips? <u>Yes</u>
SW105100	Green parking lots? <u>Yes</u>
SW105110	In-line storage systems? <u>Yes</u>
SW105120	Infiltration basins? <u>Yes</u>
SW105130	Infiltration trenches? <u>Yes</u>
SW105140	Manufactured products installed in storm water inlets? <u>Yes</u>
SW105150	Developments and redevelopments that use narrow streets? <u>Yes</u>
SW105160	On-lot treatment? <u>Yes</u>
SW105170	Open space design? <u>Yes</u>
SW105180	Sand and organic filters? <u>Yes</u>
SW105190	Porous pavement? <u>Yes</u>
SW105200	Stormwater wetlands? <u>Yes</u>
SW105210	Urban forestry? <u>Yes</u>
SW105220	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>No wastewater treatment facilities located within town limits</u>

SW105230	Does the Stormwater Management Program provide training for staff and developers/builders? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with developer/builder education in the future</u>
SW105260	BMP Inspection and maintenance
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional? <u>Yes</u>
SW105280	The number of BMP inspections and/or maintenance activities. <u>38</u> Comments: <u>33 owners conducted their own annual inspections and submitted reports to TOK, 15 deficient sites were identified with 12 having completed repairs at this time</u>
SW105290	The number of problems that were identified and remedied. <u>15</u> Comments: <u>15 deficient sites were identified with 12 having completed repairs at this time</u>
SW105300	New Development and Redevelopment BMP Summary
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater contro <u>47</u> Comments: <u>47 projects with 91 total SCMs</u>
SW105550	Evaluation of Post-construction Stormwater Management Program Measures
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equa or exceed the stormwater management and water quality protection provided by the following model practices:
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project? <u>Yes</u>
SW105580	Do projects permitted as a low density projects meet the following criteria: <u>Yes</u>
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
SW105610	Are projects permitted as high density projects meet the following requirements: <u>Yes</u>
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;

SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A NCAC 2H .1008(c);
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans? <u>Yes</u>
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters? <u>Yes</u>
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management? <u>Yes</u> Comments: <u>Neuse Regional Watershed Plan and Wake-Johnson Collaborative Local Watershed Plan</u>
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature? <u>Not Applicable</u>
SW105710	Additional Requirements for Nutrient Sensitive Waters
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected? <u>Yes</u>
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>SWMP will be updated during the next permit cycle</u>
SW105740	In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement.

Pollution Prevention/Good Housekeeping for Municipal Operations

SW105750	<u>Pollution Prevention/Good Housekeeping</u>
SW105760	Does the Stormwater Management Program summarize what best management practices will be used the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u>
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? <u>No</u> Root Cause : <u>Best Management Practice is inadequate</u> Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u>
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.
SW105790	Municipal Operations include:
SW105800	Transfer Station <u>No</u>
SW105810	Fleet Maintenance <u>No</u>
SW105820	Airport <u>Yes</u>
SW105830	Animal Shelters <u>No</u>
SW105840	Waste Water Treatment Plan <u>No</u>
SW105850	Water Plants <u>No</u>
SW105860	Construction Debris Site <u>No</u>
SW105870	Transit Authority <u>No</u>
SW105880	Public Works Operations <u>Yes</u>

SW105890	Prisons <u>No</u>
SW105900	Emergency Service Facilities <u>Yes</u>
SW105910	Fire Stations <u>Yes</u>
SW105920	Landfills <u>No</u>
SW105930	Schools <u>Yes</u>
SW105940	Parks <u>Yes</u>
SW105950	Waste Recycling Centers <u>No</u>
SW105960	Vehicle Maintenance Operations <u>Yes</u>
SW105970	Vehicle Wash Operations <u>No</u>
SW105980	Pump Stations or Lift Stations <u>No</u>
SW105990	Other: <u>n/a</u>
SW106000	<p>In addition to conducting staff training on stormwater pollution prevention and good housekeeping procedures, does the Stormwater Management Program describe any government employee training program the permittee will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances and storm water system maintenance?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle</u></p>
SW106010	<p>Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle</u></p>

SW106030	<p>Does the Stormwater Management Program describe maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the permittee's MS4?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle</u></p>
SW106050	<p>Does the Stormwater Management Program describe the permittee's procedures for the proper disposal of waste removed from the permittee's MS4 and the permittee's municipal operations, including dredged spoil, accumulated sediments, floatables, and other debris?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle</u></p>
SW106110	<p>Industrial Activities</p>
SW106120	<p>Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle</u></p>
SW106130	<p>Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring reports required by the Phase I permit, and the results of inspections and subsequent follow-up actions at the facilities.</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle</u></p>
SW106160	<p>Does the permittee have a Used Oil Recycling Program?</p> <p><u>Yes</u></p>
SW106170	<p>Does the permittee have a street sweeping program?</p> <p><u>Yes</u></p>
SW106180	<p>Does the permittee have a program to clean catch basins, storm lines, and ditches?</p> <p><u>Yes</u></p>
SW106190	<p>Does the permittee review fertilizer and pesticide use programs?</p> <p><u>Yes</u></p> <p>Comments: <u>Public Works staff that administer Pesticide/Herbicides are licensed applicators with annual renewals</u></p>
SW106200	<p>Does the permittee have spill prevention plans at city facilities?</p> <p><u>Yes</u></p> <p>Comments: <u>S.M.A.R.T Spill Response Procedure</u></p>
SW106210	<p>City Facilities Inspections</p>

SW106220	<p>Does the permittee inspect vehicle washing fueling, storage and maintenance areas?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106230	<p>Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106240	<p>Does the permittee inspect stormwater outfalls?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106250	<p>Does the permittee inspect culverts?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106260	<p>Does the permittee inspect swales/ditches?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106270	<p>Does the permittee inspect catch basins, inlets, and grates?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106280	<p>Does the permittee inspect MS4 pipes?</p> <p><u>No</u></p> <p>Root Cause : <u>Best Management Practice is not established</u></p> <p>Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.</u></p>
SW106290	<p>Does the permittee inspect solid and hazardous waste management facilities and recycling centers?</p> <p><u>Not Applicable</u></p>
SW106300	<p>Does the permittee inspect animal shelters and pounds?</p> <p><u>Not Applicable</u></p>
SW106310	<p>Does the permittee inspect parking lots?</p> <p><u>Yes</u></p>

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u> Comments: <u>Parks are inspected for wash and sediment issues, a consultant performs SCM inspections and Maintenance</u>
SW106330	The number of inspections conducted. <u>4</u> Comments: <u>Quarterly</u>
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities. <u>0</u>
SW106420	The number of sites rewarded as being a "clean site" under a rewards program. <u>0</u>
SW106430	The number of spills reported. <u>0</u>
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-related businesses. <u>0</u>
SW106450	Hazardous Materials Storage
SW106460	The total number of storage facilities equipped to store hazardous materials. <u>3</u>
SW106470	The number of regularly inspected storage units. <u>3</u>
SW106480	The number of employees trained in hazardous material storage and maintenance. <u>8</u>
SW106490	Illegal Dumping
SW106500	The number of "no dumping" signs posted. <u>8</u>
SW106510	The number of educational materials distributed. <u>8</u>
SW106520	The number of reports of illegal dumping received. <u>0</u>
SW106530	The number of dump sites and/or illegal sit-outs cleaned up. <u>0</u>
SW106540	The number of sites improved to eliminate as target dumping spots. <u>0</u>

SW106550	The number of enforcement actions pertaining to illegal dumping. <u>0</u>
SW106560	Landscape and Lawn Care, and Pest Control
SW106570	The number of stores/gardens participating in education programs. <u>0</u>
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest manager techniques. <u>0</u>
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. <u>0</u>
SW106610	The number of municipal employees trained in integrated pest management. <u>2</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. <u>9</u>
SW106640	The number of scheduled parking lot and/or road cleanings. <u>unknown</u> Comments: <u>Monthly sweeps conducted along all roads with curb</u>
SW106650	Pet Waste
SW106660	The number of dog parks. <u>1</u>
SW106670	The number of "pooper-scooper" stations installed <u>10</u>
SW106680	The number of educational materials distributed. <u>0</u>
SW106690	Road Salt Application and Storage
SW106700	The number of storage facilities included in a regular inspection and maintenance program. <u>1</u>
SW106710	The number of employees trained in road salt application. <u>1</u>
SW106720	The quantity of salt applied to roadways (in tons). <u>0</u> Comments: <u>≤ 1 ton</u>
SW106730	The quantity of alternative products used (in tons). <u>0</u>

SW106800	Spill Response and Prevention
SW106810	The number of leak detection devices installed at municipal facilities. <u>0</u>
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment. <u>1</u> Comments: <u>Boiler inspections performed by state</u>
SW106830	The number of personnel trained in spill response. <u>5</u> Comments: <u>all OPS staff - OSHA Training</u>
SW106840	The number of regularly inspected high-risk facilities. <u>0</u>
SW106850	The number of educational materials distributed to municipal employees. <u>0</u>
SW106860	Storm Drain System Cleaning
SW106870	The number of outfalls cleaned regularly. <u>5</u>
SW106880	The number of storm drains cleaned regularly. <u>20</u>
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons). <u>0</u> Comments: <u>≤ 1 ton</u>
SW106900	Used Oil Recycling
SW106910	The number of gallons of used oil collected from municipal operations. <u>150</u>
SW106920	The number of recycling facilities that collect oil from municipal operations. <u>1</u> Comments: <u>One contracted oil recycling vendor</u>
SW106930	The number of educational materials distributed to municipal employees. <u>0</u>
SW106940	Vehicle Washing
SW106950	The number of educational materials distributed to municipal employees. <u>0</u>
SW106960	The number of designated municipal vehicle washing areas. <u>0</u>

Program Accomplishments

SW106970	<u>Staff and Capital Improvement Projects</u>
SW106980	The number of staffed stormwater management position(s). <u>4 FTE's</u>
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year. <u>.5 FTE</u>
SW107000	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year. <u>1,239,168.00</u>
SW107010	The number of Capital Improvement Projects planned. <u>1</u>
SW107020	The number of Capital Improvement Projects active. <u>0</u>
SW107030	The number of Capital Improvement Projects completed. <u>0</u>
SW107040	Total annual budget for Capital Improvement Projects for the reporting year. <u>615,000</u>

Ordinance, Legal or Regulatory Authority

SW107050	<u>Ordinance, Legal or Regulatory Authority</u>
SW107060	Illicit Discharge Detection & Elimination <u>Adopted</u>
SW107070	Erosion & Sediment Control <u>Adopted</u>
SW107080	Post-Development Stormwater Management <u>Adopted</u>
SW107090	Stormwater Ordinance <u>Adopted</u>
SW107100	Unified Development Ordinance <u>Adopted</u>
SW107110	Flood Damage Protection Ordinance <u>Adopted</u>
SW107120	Other: <u>Not Applicable</u>
SW107130	Other: <u>Not Applicable</u>
SW107140	Other: <u>Not Applicable</u>

QUESTION_NUMBER	QUESTION	ANSWER_TYPE
SW100010	APPLICANT STATUS INFORMATION	Bold label
SW100020	Name of Public Entity Seeking Permit Coverage	Town of Knightdale
SW100060	Jurisdictional Area (square miles)	7.43
SW100070	Population Permanent	19435
SW100080	Population Seasonal (if available)	n/a
SW100110	RPE / MS4 SYSTEM INFORMATION	Bold label
SW100120	Storm Sewer Service Area (square miles)	7.8
SW100130	River Basin(s)	1-Neuse
SW100150	Estimated percentage of jurisdictional area containing the following four land use activities	Label
SW100160	Residential	25
SW100170	Commercial	5
SW100180	Industrial	5
SW100190	Open Space	65
SW100210	Do you have an inventory of storm water inlets, pipes, ditches, and open channels?	Yes
SW100220	Do you know how many outfalls your city discharges to and where they are located?	Yes
SW100260	EXISTING LOCAL WATER QUALITY PROGRAMS	Bold label
	Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know the various uses of your receiving waters so you can design a program to protect those uses. Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need.	
SW100270		Label
SW100280	River Basin	Label
SW100283	Program 1	Underline label
SW100290	Receiving Stream Name	Neuse River Estuary
SW100300	Stream Segment	27-(22.5)b,c
SW100310	Water Quality Classification	C;NSW
SW100320	Use Support Rating	Option (checkbox or radio button)
SW100325	TMDL	Yes
SW100331	Program 2	Underline label
SW100332	Receiving Stream Name	Beaver Dam Creek
SW100333	Stream Segment	27-29
SW100334	Water Quality Classification	C;NSW
SW100335	Use Support Rating	Option (checkbox or radio button)
SW100336	TMDL	No
SW100337	Program 3	Underline label
SW100338	Receiving Stream Name	Milburnie Creek
SW100339	Stream Segment	27-31
SW10033A	Water Quality Classification	c:NSW
SW10033B	Use Support Rating	Option (checkbox or radio button)
SW10033C	TMDL	No
SW10033D	Program 4	Underline label
	Your river basin table should list the primary streams that receive stormwater runoff from the MS4 jurisdictional area. Primary streams are those that are shown on a USGS topo maps or SCS map. Streams that are shown on the USGS or SCS maps but do not have a name shall be listed as an unnamed tributary to the nearest named downstream receiving water body.	
SW100400		Label
SW10033E	Receiving Stream Name	Mingo Creek
SW10033F	Stream Segment	27-32
SW10033G	Water Quality Classification	C;NSW
SW10033H	Use Support Rating	Option (checkbox or radio button)
SW10033I	TMDL	Yes
SW100340	Local Nutrient Sensitive Waters Strategy	Yes
SW100350	Local Water Supply Watershed Program	Yes
SW100360	Delegated Erosion and Sediment Control Program	Yes
SW100370	CAMA Land Use Plan	No
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm	Label
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html	Label
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html	Label
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html	Label
SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html	Label
SW100490	CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)	Bold label
SW100500	Do you co-permit with a permitted Phase I entity?	No
SW100510	If so, provide the name of that entity:	n/a
SW100550	Other Entity	n/a
SW100560	Have legal agreements been finalized between the co-permittees?	n/a
SW100570	RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS	Bold label
SW100580	Do you intend that another entity perform one or more of your permit obligations?	No
SW100590	If yes, identify each entity and the element they will be implementing	n/a
SW100600	Name of Entity	n/a
SW100610	Element they will implement	n/a
SW100620	Contact Person	n/a
SW100630	Contact Address	n/a
SW100640	Contact Telephone Number	n/a
SW100650	Are legal agreements in place to establish responsibilities?	n/a
SW100660	PERMITS AND CONSTRUCTION APPROVALS	Bold label
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee	Permit No. NCS000460 Issued 2/20/2017
SW100920	MS4 CONTACT INFORMATION	Bold label
	<i>Provide the following information for the person/position that will be responsible for day to day implementation and oversight of the stormwater program.</i>	
SW100930		Label
SW100940	Name	Ike Archer
SW100950	Title	Stormwater Program Manager
SW100960	Street Address	950 Steeple Square Court

SW100970	PO Box	n/a
SW100980	City	Knightdale
SW100990	State	NC
SW101000	Zip	27545
SW101010	Telephone	919-217-2255
SW101020	Fax	n/a
SW101030	E-Mail	ike.archer@knightdalenc.gov
SW101040	Permittee's Website	www.knightdalenc.gov
SW101050	BMPs	Bold label
SW101060	Do you plan to add any new BMPs?	No
SW101070	Do you plan to amend any existing BMPs?	No
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. Requires a separate submittal to DEQ.	Label
SW101460	Permitting Information	Bold and underlined label
SW101490	Does the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into the structure of the permittee's organization?	Yes
SW101570	Contract Operations	Bold and underlined label
SW101630	Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)?	No
SW101690	Public Education and Outreach	Bold and underlined label
SW101700	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?	No
SW101710	Does the Stormwater Management Program identify the target audiences likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected?	Yes
SW101720	Does the Stormwater Management Program identify what target pollutant sources the permittee's public education program is designed to address and why those sources are an issue?	Yes
SW101730	Does the Stormwater Management Program describe the permittee's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans to inform individuals and groups on how to become involved in the storm water program)?	Yes
SW101750	Has the permittee develop general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program.	Yes
SW101760	Does general stormwater educational material include information on the following topics:	Label
SW101770	Household Hazardous Waste	Yes
SW101780	Pet Waste	Yes
SW101790	Septic Systems	Yes
SW101800	Lawn and Gardening	Yes
SW101810	Vehicle Washing	Yes
SW101820	Erosion	Yes
SW101830	Stream Buffers	Yes
SW101840	Flooding	Yes
SW101850	Litter	Yes
SW101860	List any additional topics not identified above.	n/a
SW101870	Does the permittee outreach program include:	Label
SW101880	Distributing printed educational material to general public through utility mail outs?	No
SW101890	Distributing printed educational material to general public through special events (i.e., Information booth at festivals and fairs)?	Yes
SW101900	Distributing printed educational material to business / industry?	Yes No and NA
SW101910	Presentations to local community groups?	Yes
SW101920	Stormwater programs/presentations for elementary or middle schools?	No
SW101930	Local TV or radio spots?	Yes
SW101940	Print Media - Ads / Articles / Newsletters?	Yes
SW101950	Posters?	Yes
SW101960	Storm drain stenciling	No
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)?	Yes
SW101980	Workshops	No
SW101990	Stream basin signage?	No
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff?	Yes
SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff?	Yes
SW102060	Classroom Outreach	Label
SW102070	The number of educational materials distributed to schools.	45
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities.	0
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities.	48
SW102100	The number of workshops held for teachers.	0
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education.	0
SW102120	The number of students receiving storm water education as a regular part of the school curriculum.	0
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets	Label
SW102150	The number of stormwater related displays at special events or meetings.	5
SW102160	The number of people at events who saw the display or took a pamphlet/booklet.	357
SW102170	Number of new homeowner welcome packets containing storm-water-related information.	0
SW102180	The number of signs and billboards with stormwater related messages.	0

SW102190	The number of stormwater related presentations at special events or meetings.	1
SW102200	Commercial Outreach	Label
SW102210	The number of educational materials that were distributed to business owners and operators.	40
SW102220	The number of businesses trained under the stormwater program.	0
SW102310	Pet Waste Management	Label
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods.	8
SW102330	The number of dog-walking designated areas in parks.	8
SW102340	The number of posters/brochures put up in pet supply stores.	0
SW102350	The number of educational materials given out to pet owners.	100
SW102360	Promotional Giveaways	Label
SW102370	The number of items given out.	1022
SW102380	The number of events attended (to give out items).	5
SW102390	The number of partnerships for promotions (radio, TV, Businesses).	1
SW102400	Proper Disposal of Household Hazardous Waste	Label
SW102410	The number of household hazardous waste curbside pickup days.	0
SW102420	The number of educational materials distributed to homeowners.	0
SW102430	The number of partnerships established with businesses.	0
SW102440	Outreach Programs to Minority and Disadvantaged	Label
SW102450	The number of brochures/posters created in non-English languages.	0
SW102460	The number of educational materials distributed in non-English languages.	7
SW102470	The number of partnerships established with minority organizations.	0
SW102480	The number of educational materials distributed to low-income neighborhoods.	0
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods.	0
SW102540	Using the Media	Label
SW102550	The number of public service announcements made on radio and TV.	Unknown
SW102560	The number of stormwater related press releases/advertising.	0
SW102570	The number of stormwater related articles published.	0
SW102580	Water Conservation for Home Owners	Label
SW102590	The number of partnerships established with local water utilities.	0
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bills.	0
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered.	0
SW102620	Public Involvement and Participation	Bold and underlined label
SW102630	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?	No
SW102640	Does the Stormwater Management Program identify the target audiences of the permittees public involvement program, including a description of the types of ethnic and economic groups engaged?	No
SW102650	Permittee are encouraged to actively involve all potentially affected stakeholder groups, including commercial and industrial businesses, trade associations, environmental groups, homeowners associations, and educational organizations, among others.	Label
SW102660	Does the Stormwater Management Program describe how the permittee will involve the public in the development and implementation of the permittee's storm water management program and the types of public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups?	Yes
SW102670	Has the permittee provided for the means to involve the public in the development and implementation of the permittee's storm water management program through:	Label
SW102680	Public Hearings, stakeholder meetings, or other meetings?	Yes
SW102690	A Stormwater Steering Committee (or similar advisory group)?	Yes
SW102700	Stream clean-up events?	No
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?	Yes
SW102720	Reforestation programs or wetland planting programs?	No
SW102730	A stormwater hotline?	Yes
SW102740	Volunteer monitoring programs?	No
SW102750	Storm drain stenciling?	No
SW102760	Encourage neighborhood coordinators to become active in the program?	Yes
SW102770	Regional workshops?	Yes
SW102780	Telephone/Web/Mall surveys?	No
SW102790	Working with citizen volunteers willing to educate others about the program?	No
SW102830	Adopt-A-Stream Program	Label
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail programs.	1
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons).	1
SW102860	Surveys	Label
SW102870	The number of citizens solicited to complete surveys.	0
SW102880	The number of completed surveys.	0
SW102890	Hotlines	Label
SW102900	The number of calls received by a hotline(s).	0
SW102910	The number of problems/incidents remedied as a result of hotline calls.	0
SW102920	Reforestation Programs	Label
SW102930	The number of volunteer tree planters.	0
SW102940	The number of trees planted.	0
SW102950	The number of acres planted with trees.	0
SW102960	Public Hearings, stakeholder meetings, or other meetings	Label
SW102970	The number of meetings held.	0
SW102980	The number of attendees.	0
SW102990	The number of actions taken as a result of stakeholder meetings.	0
SW103000	Storm Drain Stenciling	Label
SW103010	The percent of drains stenciled.	0
SW103020	The number of stenciling volunteers.	0
SW103030	The number of drains stenciled.	0
SW103040	Stream Cleanup	Label

SW103050	The number of stream cleanups.	0
SW103060	The number of cleanup participants.	0
SW103070	The quantity of waste collected as a result of cleanup efforts (in tons).	0
SW103080	The number of stream miles cleaned.	0
SW103090	Volunteer Monitoring	Label
SW103100	The number of volunteers participating in monitoring programs.	0
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Quarterly and A-annually).	0
SW103120	The number of volunteer monitoring stations established in the watershed.	0
SW103130	The number of volunteer monitoring training sessions held.	0
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers.	0
SW103150	Wetland Plantings	Label
SW103160	The acres of land planted.	0
SW103170	The number of volunteers that participated in planting.	0
SW103180	The number of planting events held.	0
SW103190	Illicit Discharge Detection and Elimination	Bold label
SW103200	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?	No
SW103210	Stormwater Map	Label
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters?	Yes
SW103260	Does stormwater mapping include drainage areas?	Yes
SW103270	Does stormwater mapping include receiving streams?	Yes
SW103280	Does stormwater infrastructure mapping include outfalls?	Yes
SW103290	Estimated or actual number of outfalls.	478
SW103300	Does stormwater infrastructure mapping include sewer pipes?	Yes
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other structural BMPs)?	Yes
SW103320	Estimated or actual number of structural BMPs?	115
SW103330	Percent of outfall mapping complete.	95
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism?	Yes
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented?	Yes
SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills?	Yes
SW103370	The permittee must implement an inspection program to detect dry weather flows at system outfalls and, at a minimum, must address the following:	Label
SW103380	Procedures for locating priority areas.	Label
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permittee will use to detect the location of the source.	Label
SW103400	Procedures for removing the source of the illicit discharge.	Label
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.	Label
SW103420	Does the Stormwater Management Program address the following categories of non storm water discharges or flows (i.e., illicit discharges) only if permittee identify them as significant contributors of pollutants to the permitteenulls small MS4:	No
SW103430	landscape irrigation;	Label
SW103440	water line flushing;	Label
SW103450	diverted stream flows;	Label
SW103460	uncontaminated groundwater infiltration;	Label
SW103470	discharges from potable water sources;	Label
SW103480	air conditioning condensate (commercial/residential);	Label
SW103490	springs;	Label
SW103500	footing drains;	Label
SW103510	residential and charity car washing;	Label
SW103520	dechlorinated swimming pool discharges;	Label
SW103530	rising groundwaters;	Label
SW103540	uncontaminated pumped groundwater;	Label
SW103550	foundation drains;	Label
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);	Label
SW103570	water from crawl space pumps;	Label
SW103580	lawn watering;	Label
SW103590	flows from riparian habitats and wetlands;	Label
SW103600	street wash water;	Label
SW103610	flows from emergency fire fighting.	Label
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharges that will not be addressed as illicit discharges.	Label
SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).	Label
SW103640	Does the Stormwater Management Program document local controls or conditions placed on discharges and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4?	Yes
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste?	No
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges?	Yes
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system?	Yes
SW103720	Does the Stormwater Management Program establish a stormwater incident response program?	Yes

SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution?	Yes
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department?	Not Applicable
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls?	Yes
SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illicit discharge cross connections between sanitary and storm sewers?	Yes
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system?	Yes
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program?	No
SW103850	Identifying Illicit Connections	Label
SW103860	The number of sites prioritized for inspection.	0
SW103870	The number of illicit connections reported by citizens.	0
SW103880	The number of illicit connections found.	0
SW103890	The number of illicit connections repaired/replaced.	0
SW103900	The number of illicit connection referrals.	0
SW103910	Illegal Dumping	Label
SW103930	The number of illegal dumps reported by citizens.	0
SW103940	The number of penalties enforced upon the participants of illegal dumps.	0
SW103950	The number of illegal dump or sit-out clean-ups completed.	0
SW103970	Industrial or Business Connections	Label
SW103980	The number of dry weather tests/inspections completed.	0
SW103990	The number of high-risk connections prioritized.	0
SW104000	The number of illicit connections reported by employees or businesses.	0
SW104010	The number of illicit connections found.	0
SW104020	The number of illicit connections repaired/replaced.	0
SW104030	Recreational Sewage	Label
SW104040	The number of pump-out stations.	0
SW104050	The number of no-discharge areas created.	0
SW104060	The number of new signs added to inform users of dumping policies and alternatives.	0
SW104070	The number of enforced cases of recreational dumping.	0
SW104080	The number of citizen complaints made reporting illegal action.	0
SW104090	Sanitary Sewer Overflows (SSO)	Label
SW104100	The number of overflows reported.	0
SW104110	The number of overflow causes that were identified during inspections.	0
SW104120	The number of sites repaired.	0
SW104130	Wastewater Connections to the Storm Drain System	Label
SW104140	The number of rerouted connections.	0
SW104150	The number of dry weather monitoring activities performed.	0
SW104160	The number of unwarranted connections reported.	0
SW104170	The number of unwarranted connections found.	0
SW104180	The number of unwarranted connections repaired/replaced.	0
SW104190	Construction Site Stormwater Runoff Control	Bold label
SW104200	Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development? (If no, go to SW104220)	Yes
SW104210	If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply with this minimum measure for private development, than the NCDENR Division of Land Resources Erosion and Sediment Control Program effectively meets the requirements of the Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development.	Label
SW104220	Does the permittee rely on rely on a locally delegated program to meet the minimum measure for private development requirements? (If no, go to SW104300)	Yes No and NA
SW104230	If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random inspections of local land disturbing activities that have a sediment and erosion control permit, issued by local government?	Yes No and NA
SW104250	If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are not in compliance with their sediment and erosion control permits to the local government?	Yes No and NA
SW104260	If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved concerns to the local government?	Yes No and NA
SW104270	If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of unresolved concerns reported to the local government?	Yes No and NA
SW104300	Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for private development? (If no go to SW104450)	Yes No and NA
SW104310	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?	Yes No and NA
SW104320	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to require erosion and sediment controls at construction sites and why the permittee chose that mechanism?	Yes No and NA
SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and a schedule to do so.	Label
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans, which incorporate consideration of potential water quality impacts?	Yes
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.	Label
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance?	Yes
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such as stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.	Label
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection?	Yes
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts?	Yes

SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality?	Yes
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems?	Yes
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NC DENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.	Label
SW104470	Staff Training and Certification	Label
SW104480	The number of training and certification programs offered to staff.	2
SW104490	The number of trained staff inspectors.	4
SW104500	The number of certified staff inspectors.	4
SW104510	The number of certified contractors by permittee.	0
SW104520	Inspection and Enforcement	Label
SW104530	The number of plans reviewed greater than one acre.	60
SW104590	The number of enforcement actions or NOVs taken.	19
SW104890	Post-Construction Storm Water Management in New Development and Redevelopment	Bold label
SW104900	Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?	Yes
SW104910	Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects?	Yes
SW104920	The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulated public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.	Label
SW104930	Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs?	Yes
SW104940	Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities.	Yes
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable?	No
SW105010	Do new development and redevelopment codes allow for the following:	Label
SW105020	Bioretention basins?	Yes
SW105030	Alternative pavers?	Yes
SW105040	Buffer zones?	Yes
SW105050	Dry ponds?	Yes
SW105060	Wet ponds?	Yes
SW105070	Alternatives to curb and gutter?	Yes
SW105080	Grass swales?	Yes
SW105090	Grassed filter strips?	Yes
SW105100	Green parking lots?	Yes
SW105110	In-line storage systems?	Yes
SW105120	Infiltration basins?	Yes
SW105130	Infiltration trenches?	Yes
SW105140	Manufactured products installed in storm water inlets?	Yes
SW105150	Developments and redevelopments that use narrow streets?	Yes
SW105160	On-lot treatment?	Yes
SW105170	Open space design?	Yes
SW105180	Sand and organic filters?	Yes
SW105190	Porous pavement?	Yes
SW105200	Stormwater wetlands?	Yes
SW105210	Urban forestry?	Yes
SW105220	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater?	No
SW105230	Does the Stormwater Management Program provide training for staff and developers/builders?	No
SW105260	BMP Inspection and maintenance	Label
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional?	Yes
SW105280	The number of BMP inspections and/or maintenance activities.	48
SW105290	The number of problems that were identified and remedied.	30
SW105300	New Development and Redevelopment BMP Summary	Label
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater control.	48
SW105550	Evaluation of Post-construction Stormwater Management Program Measures	Label
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equal or exceed the stormwater management and water quality protection provided by the following model practices:	Label
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project?	Yes
SW105580	Do projects permitted as a low density projects meet the following criteria:	Yes
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,	Label
SW105600	Use of vegetated conveyances to the maximum extent practicable?	Label
SW105610	Are projects permitted as high density projects meet the following requirements:	Yes
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;	Label
SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A	Label
SW105640	NCAC 2H .1008(c);	Label

SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans?	Yes
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters?	Yes
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management?	Yes
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.	Label
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.	Label
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature?	Not Applicable
SW105710	Additional Requirements for Nutrient Sensitive Waters	Label
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected?	Yes
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program?	No
SW105740	In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater Management Program, the provisions of that program fulfill the nutrient loading reduction requirement.	Label
SW105750	Pollution Prevention/Good Housekeeping	Bold label
SW105760	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation?	No
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program?	No
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.	Label
SW105790	Municipal Operations include:	Label
SW105800	Transfer Station	No
SW105810	Fleet Maintenance	No
SW105820	Airport	No
SW105830	Animal Shelters	No
SW105840	Waste Water Treatment Plant	No
SW105850	Water Plants	No
SW105860	Construction Debris Site	No
SW105870	Transit Authority	No
SW105880	Public Works Operations	Yes
SW105890	Prisons	No
SW105900	Emergency Service Facilities	Yes
SW105910	Fire Stations	Yes
SW105920	Landfills	No
SW105930	Schools	No
SW105940	Parks	Yes
SW105950	Waste Recycling Centers	No
SW105960	Vehicle Maintenance Operations	Yes
SW105970	Vehicle Wash Operations	No
SW105980	Pump Stations or Lift Stations	No
SW105990	Other:	n/a
SW106000	In addition to conducting staff training on stormwater pollution prevention and good housekeeping procedures, does the Stormwater Management Program describe any government employee training program the permittee will use to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance?	No
SW106010	Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use?	No
SW106030	Does the Stormwater Management Program describe maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the permittee's MS4?	No
SW106050	Does the Stormwater Management Program describe the permittee's procedures for the proper disposal of waste removed from the permittee's MS4 and the permittee's municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris?	No
SW106110	Industrial Activities	Label
SW106120	Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee?	No
SW106130	Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring reports required by the Phase I permit, and the results of inspections and subsequent follow-up actions at the facilities.	No
SW106160	Does the permittee have a Used Oil Recycling Program?	Yes
SW106170	Does the permittee have a street sweeping program?	Yes
SW106180	Does the permittee have a program to clean catch basins, storm lines, and ditches?	Yes
SW106190	Does the permittee review fertilizer and pesticide use programs?	Yes
SW106200	Does the permittee have spill prevention plans at city facilities?	Yes
SW106210	City Facilities Inspections	Label
SW106220	Does the permittee inspect vehicle washing fueling, storage and maintenance areas?	Yes
SW106230	Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)?	Yes
SW106240	Does the permittee inspect stormwater outfalls?	Yes

SW106250	Does the permittee inspect culverts?	Yes
SW106260	Does the permittee inspect swales/ditches?	Yes
SW106270	Does the permittee inspect catch basins, inlets, and grates?	Yes
SW106280	Does the permittee inspect MS4 pipes?	Yes
SW106290	Does the permittee inspect solid and hazardous waste management facilities and recycling centers?	NA
SW106300	Does the permittee inspect animal shelters and pounds?	NA
SW106310	Does the permittee inspect parking lots?	Yes
SW106320	Does the permittee inspect parks and open spaces?	Yes
SW106330	The number of inspections conducted.	4
SW106400	Automobile Maintenance	Label
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities.	16
SW106420	The number of sites rewarded as being a "clean site" under a rewards program.	0
SW106430	The number of spills reported.	0
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-related businesses.	0
SW106450	Hazardous Materials Storage	Label
SW106460	The total number of storage facilities equipped to store hazardous materials.	3
SW106470	The number of regularly inspected storage units.	3
SW106480	The number of employees trained in hazardous material storage and maintenance.	8
SW106490	Illegal Dumping	Label
SW106500	The number of "no dumping" signs posted.	8
SW106510	The number of educational materials distributed.	8
SW106520	The number of reports of illegal dumping received.	0
SW106530	The number of dump sites and/or illegal sit-outs cleaned up.	0
SW106540	The number of sites improved to eliminate as target dumping spots.	0
SW106550	The number of enforcement actions pertaining to illegal dumping.	0
SW106560	Landscape and Lawn Care, and Pest Control	Label
SW106570	The number of stores/gardens participating in education programs.	0
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest management techniques.	0
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care.	0
SW106610	The number of municipal employees trained in integrated pest management.	3
SW106620	Parking Lot and Street Cleaning	Label
SW106630	The number of parking lots.	9
SW106640	The number of scheduled parking lot and/or road cleanings.	12
SW106650	Pet Waste	Label
SW106660	The number of dog parks.	1
SW106670	The number of "pooper-scooper" stations installed	10
SW106680	The number of educational materials distributed.	0
SW106690	Road Salt Application and Storage	Label
SW106700	The number of storage facilities included in a regular inspection and maintenance program.	1
SW106710	The number of employees trained in road salt application.	16
SW106720	The quantity of salt applied to roadways (in tons).	0
SW106730	The quantity of alternative products used (in tons).	0
SW106800	Spill Response and Prevention	Label
SW106810	The number of leak detection devices installed at municipal facilities.	0
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment.	1
SW106830	The number of personnel trained in spill response.	16
SW106840	The number of regularly inspected high-risk facilities.	0
SW106850	The number of educational materials distributed to municipal employees.	0
SW106860	Storm Drain System Cleaning	Label
SW106870	The number of outfalls cleaned regularly.	3
SW106880	The number of storm drains cleaned regularly.	20
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons).	0
SW106900	Used Oil Recycling	Label
SW106910	The number of gallons of used oil collected from municipal operations.	150
SW106920	The number of recycling facilities that collect oil from municipal operations.	1
SW106930	The number of educational materials distributed to municipal employees.	0
SW106940	Vehicle Washing	Label
SW106950	The number of educational materials distributed to municipal employees.	1
SW106960	The number of designated municipal vehicle washing areas.	0
SW106970	Staff and Capital Improvement Projects	Bold label
SW106980	The number of staffed stormwater management position(s).	3.5 FTEs
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year.	1 FTE
	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year.	1,687,458
SW107000		
SW107010	The number of Capital Improvement Projects planned.	3
SW107020	The number of Capital Improvement Projects active.	0
SW107030	The number of Capital Improvement Projects completed.	0
SW107040	Total annual budget for Capital Improvement Projects for the reporting year.	608,000
SW107050	Ordinance, Legal or Regulatory Authority	Bold label
SW107060	Illicit Discharge Detection & Elimination	Adopted
SW107070	Erosion & Sediment Control	Adopted
SW107080	Post-Development Stormwater Management	Adopted
SW107090	Stormwater Ordinance	Adopted
SW107100	Unified Development Ordinance	Adopted
SW107110	Flood Damage Protection Ordinance	Adopted
SW107120	Other:	Not Applicable
SW107130	Other:	Not Applicable
SW107140	Other:	Not Applicable

QUESTION_NUMBER	QUESTION	ANSWER_TYPE
SW100010	APPLICANT STATUS INFORMATION	Bold label
SW100020	Name of Public Entity Seeking Permit Coverage	Town of Knightdale
SW100060	Jurisdictional Area (square miles)	7.43
SW100070	Population Permanent	19435
SW100080	Population Seasonal (if available)	n/a
SW100110	RPE / MS4 SYSTEM INFORMATION	Bold label
SW100120	Storm Sewer Service Area (square miles)	7.8
SW100130	River Basin(s)	1-Neuse
SW100150	Estimated percentage of jurisdictional area containing the following four land use activities	Label
SW100160	Residential	25
SW100170	Commercial	5
SW100180	Industrial	5
SW100190	Open Space	65
SW100210	Do you have an inventory of storm water inlets, pipes, ditches, and open channels?	Yes
SW100220	Do you know how many outfalls your city discharges to and where they are located?	Yes
SW100260	EXISTING LOCAL WATER QUALITY PROGRAMS	Bold label
SW100270	Complete a table below for each river basin within the MS4 service area. The web sites and resc	Label
SW100280	River Basin	Label
SW100283	Program 1	Underline label
SW100290	Receiving Stream Name	Neuse River Estuary
SW100300	Stream Segment	27-(22.5)b,c
SW100310	Water Quality Classification	C;NSW
SW100320	Use Support Rating	Option (check box or radio button)
SW100325	TMDL	Yes
SW100331	Program 2	Underline label
SW100332	Receiving Stream Name	Beaver Dam Creek
SW100333	Stream Segment	27-29
SW100334	Water Quality Classification	C;NSW
SW100335	Use Support Rating	Option (check box or radio button)
SW100336	TMDL	No
SW100337	Program 3	Underline label
SW100338	Receiving Stream Name	Milburnie Creek
SW100339	Stream Segment	27-31
SW10033A	Water Quality Classification	C;NSW
SW10033B	Use Support Rating	Option (check box or radio button)
SW10033C	TMDL	No
SW10033D	Program 4	Underline label
SW100400	Your river basin table should list the primary streams that receive stormwater runoff from the M	Label
SW10033E	Receiving Stream Name	Mingo Creek
SW10033F	Stream Segment	27-32
SW10033G	Water Quality Classification	C;NSW
SW10033H	Use Support Rating	Option (check box or radio button)
SW10033I	TMDL	Yes
SW100340	Local Nutrient Sensitive Waters Strategy	Yes
SW100350	Local Water Supply Watershed Program	No
SW100360	Delegated Erosion and Sediment Control Program	Yes
SW100370	CAMA Land Use Plan	No
SW100440	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm	Label
SW100450	Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html	Label
SW100460	Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html	Label
SW100470	Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html	Label
SW100480	303(d) List: http://h2o.enr.state.nc.us/mtu/download.html	Label
SW100490	CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)	Bold label
SW100500	Do you co-permit with a permitted Phase I entity?	No
SW100510	If so, provide the name of that entity:	n/a
SW100550	Other Entity	n/a
SW100560	Have legal agreements been finalized between the co-permittees?	n/a
SW100570	RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS	Bold label
SW100580	Do you intend that another entity perform one or more of your permit obligations?	No
SW100590	If yes, identify each entity and the element they will be implementing	n/a
SW100600	Name of Entity	n/a
SW100610	Element they will implement	n/a
SW100620	Contact Person	n/a
SW100630	Contact Address	n/a
SW100640	Contact Telephone Number	n/a
SW100650	Are legal agreements in place to establish responsibilities?	n/a
SW100660	PERMITS AND CONSTRUCTION APPROVALS	Bold label
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee	Permit NCS000460 issued 2/20/2017
SW100920	MS4 CONTACT INFORMATION	Bold label
SW100930	Provide the following information for the person/position that will be responsible for day to day in	Label

SW100940	Name	Ike Archer
SW100950	Title	Stormwater Program Manager
SW100960	Street Address	950 Steeple Square Court
SW100970	PO Box	n/a
SW100980	City	Knightsdale
SW100990	State	NC
SW101000	Zip	27545
SW101010	Telephone	919-217-2255
SW101020	Fax	n/a
SW101030	E-Mail	ike.archer@knightsdalenc.gov
SW101040	Permittee's Website	www.knightsdalenc.gov
SW101050	BMPs	Label
SW101060	Do you plan to add any new BMPs?	No
SW101070	Do you plan to amend any existing BMPs?	No
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each BMP.	Label
SW101460	Permitting Information	Label and underlined label
SW101490	Does the Stormwater Management Program provide an organizational chart that shows where the program is implemented?	Yes
SW101570	Contract Operations	Label and underlined label
SW101630	Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, etc.)?	No
SW101690	Public Education and Outreach	Label and underlined label
SW101700	Does the Stormwater Management Program summarize what best management practices will be implemented?	No
SW101710	Does the Stormwater Management Program identify the target audiences likely to have significant impact?	Yes
SW101720	Does the Stormwater Management Program identify what target pollutant sources the permittee is addressing?	Yes
SW101730	Does the Stormwater Management Program describe the permittee's outreach program (i.e., how it is implemented)?	Yes
SW101750	Has the permittee developed general stormwater educational material to appropriate target groups?	Yes
SW101760	Does general stormwater educational material include information on the following topics:	Label
SW101770	Household Hazardous Waste	Yes
SW101780	Pet Waste	Yes
SW101790	Septic Systems	Yes
SW101800	Lawn and Gardening	Yes
SW101810	Vehicle Washing	Yes
SW101820	Erosion	Yes
SW101830	Stream Buffers	Yes
SW101840	Flooding	Yes
SW101850	Litter	Yes
SW101860	List any additional topics not identified above.	n/a
SW101870	Does the permittee outreach program include:	Label
SW101880	Distributing printed educational material to general public through utility mail outs?	No
SW101890	Distributing printed educational material to general public through special events (i.e., Informational Open Houses)?	Yes
SW101900	Distributing printed educational material to business / industry?	Yes
SW101910	Presentations to local community groups?	Yes
SW101920	Stormwater programs/presentations for elementary or middle schools?	No
SW101930	Local TV or radio spots?	Yes
SW101940	Print Media - Ads / Articles / Newsletters?	Yes
SW101950	Posters?	Yes
SW101960	Storm drain stenciling	No
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)?	Yes
SW101980	Workshops	No
SW101990	Stream basin signage?	No
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, informational materials, etc.?	Yes
SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, informational materials, etc.?	Yes
SW102060	Classroom Outreach	Label
SW102070	The number of educational materials distributed to schools.	51 (Knightsdale High Career day)
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities.	1 (Knightsdale High Career day)
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities.	77 (Knightsdale High Career day)
SW102100	The number of workshops held for teachers.	0
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in stormwater education.	0
SW102120	The number of students receiving storm water education as a regular part of the school curriculum.	0
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets	Label
SW102150	The number of stormwater related displays at special events or meetings.	8
SW102160	The number of people at events who saw the display or took a pamphlet/booklet.	1218
SW102170	Number of new homeowner welcome packets containing storm-water-related information.	0
SW102180	The number of signs and billboards with stormwater related messages.	0
SW102190	The number of stormwater related presentations at special events or meetings.	1
SW102200	Commercial Outreach	Label
SW102210	The number of educational materials that were distributed to business owners and operators.	52 (SCM Owners)
SW102220	The number of businesses trained under the stormwater program.	0
SW102310	Pet Waste Management	Label
SW102320	The number of "clean up after your pet" signs posted in parks and neighborhoods.	8
SW102330	The number of dog-walking designated areas in parks.	8
SW102340	The number of posters/brochures put up in pet supply stores.	0

SW102350	The number of educational materials given out to pet owners.	325 (Doggie Bags / Frisbees)
SW102360	Promotional Giveaways	Label
SW102370	The number of items given out.	1584
SW102380	The number of events attended (to give out items).	8
SW102390	The number of partnerships for promotions (radio, TV, Businesses).	1 (CWEP)
SW102400	Proper Disposal of Household Hazardous Waste	Label
SW102410	The number of household hazardous waste curbside pickup days.	0
SW102420	The number of educational materials distributed to homeowners.	0
SW102430	The number of partnerships established with businesses.	0
SW102440	Outreach Programs to Minority and Disadvantaged	Label
SW102450	The number of brochures/posters created in non-English languages.	2 (CWEP Pamphlet & Concrete Pollution)
SW102460	The number of educational materials distributed in non-English languages.	7
SW102470	The number of partnerships established with minority organizations.	0
SW102480	The number of educational materials distributed to low-income neighborhoods.	0
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods.	0
SW102540	Using the Media	Label
SW102550	The number of public service announcements made on radio and TV.	Unknown (CWEP Annual Report)
SW102560	The number of stormwater related press releases/advertising.	0
SW102570	The number of stormwater related articles published.	0
SW102580	Water Conservation for Home Owners	Label
SW102590	The number of partnerships established with local water utilities.	0
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with u	0
SW102610	A survey of homeowners about their water conservation behavior before and after the message is	0
SW102620	Public Involvement and Participation	Bold and underlined label
SW102630	Does the Stormwater Management Program summarize what best management practices will be	No
SW102640	Does the Stormwater Management Program identify the target audiences of the permitteenu	No
SW102650	Permittee are encouraged to actively involve all potentially affected stakeholder groups, including	Label
SW102660	Does the Stormwater Management Program describe how the permittee will involve the public in	Yes
SW102670	Has the permittee provided for the means to involve the public in the development and impleme	Label
SW102680	Public Hearings, stakeholder meetings, or other meetings?	Yes
SW102690	A Stormwater Steering Committee (or similar advisory group)?	No
SW102700	Stream clean-up events?	Yes
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program?	No
SW102720	Reforestation programs or wetland planting programs?	No
SW102730	A stormwater hotline?	Yes
SW102740	Volunteer monitoring programs?	No
SW102750	Storm drain stenciling?	No
SW102760	Encourage neighborhood coordinators to become active in the program?	Yes
SW102770	Regional workshops?	Yes
SW102780	Telephone/Web/Mall surveys?	No
SW102790	Working with citizen volunteers willing to educate others about the program?	No
SW102830	Adopt-A-Stream Program	Label
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail p	1
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or	1
SW102860	Surveys	Label
SW102870	The number of citizens solicited to complete surveys.	0
SW102880	The number of completed surveys.	0
SW102890	Hotlines	Label
SW102900	The number of calls received by a hotline(s).	1
SW102910	The number of problems/incidents remedied as a result of hotline calls.	1
SW102920	Reforestation Programs	Label
SW102930	The number of volunteer tree planters.	0
SW102940	The number of trees planted.	0
SW102950	The number of acres planted with trees.	0
SW102960	Public Hearings, stakeholder meetings, or other meetings	Label
SW102970	The number of meetings held.	0
SW102980	The number of attendees.	0
SW102990	The number of actions taken as a result of stakeholder meetings.	0
SW103000	Storm Drain Stenciling	Label
SW103010	The percent of drains stenciled.	0
SW103020	The number of stenciling volunteers.	0
SW103030	The number of drains stenciled.	0
SW103040	Stream Cleanup	Label
SW103050	The number of stream cleanups.	1
SW103060	The number of cleanup participants.	4
SW103070	The quantity of waste collected as a result of cleanup efforts (in tons).	<1ton
SW103080	The number of stream miles cleaned.	0
SW103090	Volunteer Monitoring	Label
SW103100	The number of volunteers participating in monitoring programs.	0
SW103110	The frequency of monitoring in the watershed (D-Daily, W-Weekly, B-Bimonthly, M-Monthly, Q-Q	0
SW103120	The number of volunteer monitoring stations established in the watershed.	0

SW103130	The number of volunteer monitoring training sessions held.	0
SW103140	The number of actions that were taken as a result of the monitoring data -collected by volunteers	0
SW103150	Wetland Plantings	Label
SW103160	The acres of land planted.	0
SW103170	The number of volunteers that participated in planting.	0
SW103180	The number of planting events held.	0
SW103190	Illicit Discharge Detection and Elimination	Bold label
SW103200	Does the Stormwater Management Program summarize what best management practices will be	No
SW103210	Stormwater Map	Label
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing	Yes
SW103260	Does stormwater mapping include drainage areas?	Yes
SW103270	Does stormwater mapping include receiving streams?	Yes
SW103280	Does stormwater infrastructure mapping include outfalls?	Yes
SW103290	Estimated or actual number of outfalls.	705 Total, 65 Major
SW103300	Does stormwater infrastructure mapping include sewer pipes?	Yes
SW103310	Does stormwater infrastructure mapping include structures (e.g., detention ponds and other struc	Yes
SW103320	Estimated or actual number of structural BMPs?	194
SW103330	Percent of outfall mapping complete.	95
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulat	Yes
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate	Yes
SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address	Yes
SW103370	The permittee must implement an inspection program to detect dry weather flows at system ou	Label
SW103380	Procedures for locating priority areas.	Label
SW103390	Procedures for tracing the source of an illicit discharge, including the specific techniques permitte	Label
SW103400	Procedures for removing the source of the illicit discharge.	Label
SW103410	Procedures for evaluation of the plan to detect and eliminate illicit discharges.	Label
SW103420	Does the Stormwater Management Program address the following categories of non storm wate	No
SW103430	landscape irrigation;	Label
SW103440	water line flushing;	Label
SW103450	diverted stream flows;	Label
SW103460	uncontaminated groundwater infiltration;	Label
SW103470	discharges from potable water sources;	Label
SW103480	air conditioning condensate (commercial/residential);	Label
SW103490	springs;	Label
SW103500	footing drains;	Label
SW103510	residential and charity car washing;	Label
SW103520	dechlorinated swimming pool discharges;	Label
SW103530	rising groundwaters;	Label
SW103540	uncontaminated pumped groundwater;	Label
SW103550	foundation drains;	Label
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);	Label
SW103570	water from crawl space pumps;	Label
SW103580	lawn watering;	Label
SW103590	flows from riparian habitats and wetlands;	Label
SW103600	street wash water;	Label
SW103610	flows from emergency fire fighting.	Label
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water disc	Label
SW103630	These non-storm water discharges must not be reasonably expected (based on information availa	Label
SW103640	Does the Stormwater Management Program document local controls or conditions placed on disc	Yes
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," d	No
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for th	Yes
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking sy	Yes
SW103720	Does the Stormwater Management Program establish a stormwater incident response program?	Yes
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or ot	Yes
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction w	N/a
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inf	Yes
SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to elimina	Yes
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer	Yes
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program?	No
SW103850	Identifying Illicit Connections	Label
SW103860	The number of sites prioritized for inspection.	0
SW103870	The number of illicit connections reported by citizens.	0
SW103880	The number of illicit connections found.	0
SW103890	The number of illicit connections repaired/replaced.	0
SW103900	The number of illicit connection referrals.	0
SW103910	Illegal Dumping	Label
SW103930	The number of illegal dumps reported by citizens.	0
SW103940	The number of penalties enforced upon the participants of illegal dumps.	0
SW103950	The number of illegal dump or sit-out clean-ups completed.	0
SW103970	Industrial or Business Connections	Label
SW103980	The number of dry weather tests/inspections completed.	0

SW103990	The number of high-risk connections prioritized.	0
SW104000	The number of illicit connections reported by employees or businesses.	0
SW104010	The number of illicit connections found.	0
SW104020	The number of illicit connections repaired/replaced.	0
SW104030	Recreational Sewage	Label
SW104040	The number of pump-out stations.	0
SW104050	The number of no-discharge areas created.	0
SW104060	The number of new signs added to inform users of dumping policies and alternatives.	0
SW104070	The number of enforced cases of recreational dumping.	0
SW104080	The number of citizen complaints made reporting illegal action.	0
SW104090	Sanitary Sewer Overflows (SSO)	Label
SW104100	The number of overflows reported.	0
SW104110	The number of overflow causes that were identified during inspections.	0
SW104120	The number of sites repaired.	0
SW104130	Wastewater Connections to the Storm Drain System	Label
SW104140	The number of rerouted connections.	0
SW104150	The number of dry weather monitoring activities performed.	0
SW104160	The number of unwarranted connections reported.	0
SW104170	The number of unwarranted connections found.	0
SW104180	The number of unwarranted connections repaired/replaced.	0
SW104190	Construction Site Stormwater Runoff Control	Bold label
SW104200	Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program?	No
SW104210	If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program, does the permittee have a delegated program to meet the minimum measure for erosion and sediment control?	Label
SW104220	Does the permittee rely on a locally delegated program to meet the minimum measure for erosion and sediment control?	No
SW104230	If the permittee relies on a local government to comply with this minimum measure, does the permittee have a delegated program to meet the minimum measure for erosion and sediment control?	Yes No and NA
SW104250	If the permittee relies on a local government to comply with this minimum measure, does the permittee have a delegated program to meet the minimum measure for erosion and sediment control?	Yes No and NA
SW104260	If the permittee relies on a local government to comply with this minimum measure, does the permittee have a delegated program to meet the minimum measure for erosion and sediment control?	Yes No and NA
SW104270	If the permittee relies on a local government to comply with this minimum measure, does the permittee have a delegated program to meet the minimum measure for erosion and sediment control?	Yes No and NA
SW104300	Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program?	Yes
SW104310	Does the Stormwater Management Program summarize what best management practices will be used to control erosion and sediment?	No
SW104320	Does the Stormwater Management Program describe the mechanism (ordinance or other regulation) that will be used to control erosion and sediment?	No
SW104330	If permittee needs to develop this mechanism, the permittee's plan should describe the plan and how it will be implemented.	Label
SW104340	Does the Permittee conduct site plan review(s), including the review of pre-construction site plans?	Yes
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will control erosion and sediment.	Label
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with erosion and sediment control requirements?	Yes
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will conduct site plan review(s).	Label
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement?	Yes
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control measures?	Yes
SW104440	Does the Stormwater Management Program require construction site operators to control waste and debris?	Yes
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authority of illegal dumping?	Yes
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the program.	Label
SW104470	Staff Training and Certification	Label
SW104480	The number of training and certification programs offered to staff.	2
SW104490	The number of trained staff inspectors.	4
SW104500	The number of certified staff inspectors.	4
SW104510	The number of certified contractors by permittee.	0
SW104520	Inspection and Enforcement	Label
SW104530	The number of plans reviewed greater than one acre.	78
SW104590	The number of enforcement actions or NOVs taken.	38
SW104890	Post-Construction Storm Water Management in New Development and Redevelopment	Bold label
SW104900	Does the Stormwater Management Plan summarize what best management practices will be used to control erosion and sediment?	Yes
SW104910	Does the Stormwater Management Program describe how the permittee will develop an ordinance to control erosion and sediment?	Yes
SW104920	The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DW	Label
SW104930	Does the Stormwater Management Program describe how the permittee will ensure the long-term maintenance of stormwater management practices?	Yes
SW104940	Options to help ensure that future O&M responsibilities are clearly identified include an agreement with the local government.	Yes
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of erosion and sediment?	No
SW105010	Do new development and redevelopment codes allow for the following:	Label
SW105020	Bioretention basins?	Yes
SW105030	Alternative pavers?	Yes
SW105040	Buffer zones?	Yes
SW105050	Dry ponds?	Yes
SW105060	Wet ponds?	Yes
SW105070	Alternatives to curb and gutter?	Yes
SW105080	Grass swales?	Yes
SW105090	Grassed filter strips?	Yes
SW105100	Green parking lots?	Yes
SW105110	In-line storage systems?	Yes
SW105120	Infiltration basins?	Yes
SW105130	Infiltration trenches?	Yes
SW105140	Manufactured products installed in storm water inlets?	Yes
SW105150	Developments and redevelopments that use narrow streets?	Yes

SW105160	On-lot treatment?	Yes
SW105170	Open space design?	Yes
SW105180	Sand and organic filters?	Yes
SW105190	Porous pavement?	Yes
SW105200	Stormwater wetlands?	Yes
SW105210	Urban forestry?	Yes
SW105220	Does the Stormwater Management Program, in coordination with the County Health Department	No
SW105230	Does the Stormwater Management Program provide training for staff and developers/builders?	No
SW105260	BMP Inspection and maintenance	Label
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified pro	Yes
SW105280	The number of BMP inspections and/or maintenance activities.	42
SW105290	The number of problems that were identified and remedied.	23
SW105300	New Development and Redevelopment BMP Summary	Label
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater	51
SW105550	Evaluation of Post-construction Stormwater Management Program Measures	Label
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subje	Label
SW105570	Does the permittee issue local stormwater management permits to new development or redevelop	Yes
SW105580	Do projects permitted as a low density projects meet the following criteria:	Yes
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,	Label
SW105600	Use of vegetated conveyances to the maximum extent practicable?	Label
SW105610	Are projects permitted as high density projects meet the following requirements:	Yes
SW105620	The stormwater control measures control and treat the difference between the pre-development	Label
SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual remova	Label
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All P	Label
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorp	Yes
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters?	Yes
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a compreh	Yes
SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state	Label
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance	Label
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and impleme	N/a
SW105710	Additional Requirements for Nutrient Sensitive Waters	Label
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mec	Yes
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients)	No
SW105740	In areas where the Environmental Management Commission has approved a Nutrient Sensitive W	Label
SW105750	Pollution Prevention/Good Housekeeping	Bold label
SW105760	Does the Stormwater Management Program summarize what best management practices will be	No
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are im	No
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that a	Label
SW105790	Municipal Operations include:	Label
SW105800	Transfer Station	No
SW105810	Fleet Maintenance	No
SW105820	Airport	Yes
SW105830	Animal Shelters	No
SW105840	Waste Water Treatment Plan	No
SW105850	Water Plants	No
SW105860	Construction Debris Site	No
SW105870	Transit Authority	No
SW105880	Public Works Operations	Yes
SW105890	Prisons	No
SW105900	Emergency Service Facilities	Yes
SW105910	Fire Stations	Yes
SW105920	Landfills	No
SW105930	Schools	No
SW105940	Parks	Yes
SW105950	Waste Recycling Centers	No
SW105960	Vehicle Maintenance Operations	No
SW105970	Vehicle Wash Operations	No
SW105980	Pump Stations or Lift Stations	No
SW105990	Other:	n/a
SW106000	In addition to conducting staff training on stormwater pollution prevention and good housekeepi	No
SW106010	Does the Stormwater Management Program describe any existing, available training materials the	No
SW106030	Does the Stormwater Management Program describe maintenance activities, maintenance schedu	No
SW106050	Does the Stormwater Management Program describe the permittee's procedures for the proper c	No
SW106110	Industrial Activities	Label
SW106120	Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwa	No
SW106130	Did the permittee review the Stormwater Pollution Prevention Plan, the timeliness of any monito	No
SW106160	Does the permittee have a Used Oil Recycling Program?	Yes
SW106170	Does the permittee have a street sweeping program?	Yes
SW106180	Does the permittee have a program to clean catch basins, storm lines, and ditches?	Yes
SW106190	Does the permittee review fertilizer and pesticide use programs?	Yes
SW106200	Does the permittee have spill prevention plans at city facilities?	Yes

SW106210	City Facilities Inspections	Label
SW106220	Does the permittee inspect vehicle washing fueling, storage and maintenance areas?	Yes
SW106230	Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pes	Yes
SW106240	Does the permittee inspect stormwater outfalls?	Yes
SW106250	Does the permittee inspect culverts?	Yes
SW106260	Does the permittee inspect swales/ditches?	Yes
SW106270	Does the permittee inspect catch basins, inlets, and grates?	Yes
SW106280	Does the permittee inspect MS4 pipes?	Yes
SW106290	Does the permittee inspect solid and hazardous waste management facilities and recycling center	Yes
SW106300	Does the permittee inspect animal shelters and pounds?	Yes
SW106310	Does the permittee inspect parking lots?	Yes
SW106320	Does the permittee inspect parks and open spaces?	Yes
SW106330	The number of inspections conducted.	13
SW106400	Automobile Maintenance	Label
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities	16
SW106420	The number of sites rewarded as being a "clean site" under a rewards program.	0
SW106430	The number of spills reported.	0
SW106440	The number of educational materials distributed at garages, auto shops, and other automobile-re	0
SW106450	Hazardous Materials Storage	Label
SW106460	The total number of storage facilities equipped to store hazardous materials.	3
SW106470	The number of regularly inspected storage units.	3
SW106480	The number of employees trained in hazardous material storage and maintenance.	8
SW106490	Illegal Dumping	Label
SW106500	The number of "no dumping" signs posted.	8
SW106510	The number of educational materials distributed.	8
SW106520	The number of reports of illegal dumping received.	0
SW106530	The number of dump sites and/or illegal sit-outs cleaned up.	0
SW106540	The number of sites improved to eliminate as target dumping spots.	0
SW106550	The number of enforcement actions pertaining to illegal dumping.	0
SW106560	Landscape and Lawn Care, and Pest Control	Label
SW106570	The number of stores/gardens participating in education programs.	0
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest manag	0
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care.	0
SW106610	The number of municipal employees trained in integrated pest management.	3
SW106620	Parking Lot and Street Cleaning	Label
SW106630	The number of parking lots.	13
SW106640	The number of scheduled parking lot and/or road cleanings.	12
SW106650	Pet Waste	Label
SW106660	The number of dog parks.	1
SW106670	The number of "pooper-scooper" stations installed	10
SW106680	The number of educational materials distributed.	0
SW106690	Road Salt Application and Storage	Label
SW106700	The number of storage facilities included in a regular inspection and maintenance program.	1
SW106710	The number of employees trained in road salt application.	16
SW106720	The quantity of salt applied to roadways (in tons).	0
SW106730	The quantity of alternative products used (in tons).	0
SW106800	Spill Response and Prevention	Label
SW106810	The number of leak detection devices installed at municipal facilities.	0
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, a	1
SW106830	The number of personnel trained in spill response.	16
SW106840	The number of regularly inspected high-risk facilities.	0
SW106850	The number of educational materials distributed to municipal employees.	0
SW106860	Storm Drain System Cleaning	Label
SW106870	The number of outfalls cleaned regularly.	3
SW106880	The number of storm drains cleaned regularly.	20
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons).	0
SW106900	Used Oil Recycling	Label
SW106910	The number of gallons of used oil collected from municipal operations.	150
SW106920	The number of recycling facilities that collect oil from municipal operations.	1
SW106930	The number of educational materials distributed to municipal employees.	0
SW106940	Vehicle Washing	Label
SW106950	The number of educational materials distributed to municipal employees.	1
SW106960	The number of designated municipal vehicle washing areas.	0
SW106970	Staff and Capital Improvement Projects	Bold label
SW106980	The number of staffed stormwater management position(s).	3.5 FTEs
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year	0
SW107000	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater manage	1,916,188.65
SW107010	The number of Capital Improvement Projects planned.	3
SW107020	The number of Capital Improvement Projects active.	0
SW107030	The number of Capital Improvement Projects completed.	0
SW107040	Total annual budget for Capital Improvement Projects for the reporting year.	731,415

SW107050	Ordinance, Legal or Regulatory Authority	Bold label
SW107060	Illicit Discharge Detection & Elimination	Adopted
SW107070	Erosion & Sediment Control	Adopted
SW107080	Post-Development Stormwater Management	Adopted
SW107090	Stormwater Ordinance	Adopted
SW107100	Unified Development Ordinance	Adopted
SW107110	Flood Damage Protection Ordinance	Adopted
SW107120	Other:	SWMPA Legal Authority
SW107130	Other:	SWMPA Legal Authority
SW107140	Other:	SWMPA Legal Authority