

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

SW100020

SW100060

Permit Number	NCS000460	Report Number:	NCS000460_2018	
County	: Wake	Region:	Raleigh	2018
Background Information				
SW100010	APPLICANT STATUS INFORM	ATION		

Name of Public Entity Seeking Permit Coverage

Town of Knightdale

Jurisdictional Area (square miles)

<u>6.19</u> SW100070 Population Permanent <u>11401</u> SW100080 Population Seasonal (if available) SW100110 **RPE / MS4 SYSTEM INFORMATION** SW100120 Storm Sewer Service Area (square miles) <u>6.19</u> SW100130 River Basin(s) 1-Neuse 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** 65 SW100210 Do you have an inventory of storm water inlets, pipes, ditches, and open channels? No SW100220 Do you know how many outfalls your city discharges to and where they are located? <u>No</u> 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 Beaver Dam Creek
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
SW10033G	Water Quality Classification <u>C;NSW</u>
SW10033H	Use Support Rating
SW10033I	TMDL No
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	CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)
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	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 <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	PERMITS AND CONSTRUCTION APPROVALS
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee <u>NCS000460 NPDES Phase II permit issued 9/12/2005</u>
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

SW100980	City <u>Knightdale</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>27545</u>
SW101010	Telephone 919.217.2250
SW101020	Fax 919.217.2249
SW101030	E-Mail phillip.bunton@knightdalenc.gov
SW101040	"Permittee's Website" www.knightdalenc.gov
SW101050	BMPs
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? \underline{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)? <u>No</u>	
	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? No Root Cause : Best Management Practice is not established Plan of Action: To be identified in permit renewal	
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? No Root Cause : Best Management Practice is not established Plan of Action: To be identified in permit renewal	
SW101730	Does the Stormwater Management Program describe the permittee'ls 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? No Root Cause : Best Management Practice is not established Plan of Action: Town has taken steps to improve its stormwater resources/outreach through its website.	
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: Most information posted on permittee's website.	
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?	
	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? Yes	
SW101930	Local TV or radio spots? <u>Yes</u>	
SW101940	Print Media - Ads / Articles / Newsletters? <u>No</u>	
	Root Cause :Funds for stormwater management related activities are not sufficientPlan of Action:Rely on alternate means for publishing information such as the town's website.	
SW101950	Posters? No Root Cause : Funds for stormwater management related activities are not sufficient Direct Activity Deliver at a management related activities are not sufficient	
	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>	
		water management related activities are not sufficient e means for publishing information such as the town's website.
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? No Root Cause : Funds for stormwater management related activities are not sufficient	
SW101980	Workshops <u>No</u> Root Cause : <u>Funds for storm</u>	e means for publishing information such as the town's website. water management related activities are not sufficient e means for publishing information such as the town's website.
SW101990		water management related activities are not sufficient e means for publishing information such as the town's website.
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. $\underline{0}$	
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.	
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. $\underline{0}$	
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. 0	
SW102130	Displays, Signs, Presentations, W	elcome 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.
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. 0
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators.
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. 0
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.
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.
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods.
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.
SW102570	The number of stormwater related articles published. 0
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. $\underline{1}$
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bills. unknown
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. <u>0</u>

Public Involvement and Participation

<u>r abie involvement a</u>	
SW102620	Public Involvement and Participation
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? <u>Yes</u>
SW102640	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? <u>Yes</u>
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.
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? <u>No</u> Root Cause : <u>Appropriate review and follow-up of self-assessments/inspections execution and results are</u>
	Plan of Action: <u>Town is working to improve outreach beginning with contacting HOA's about stormwater</u> devices.
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:
SW102680	Public Hearings, stakeholder meetings, or other meetings? <u>Yes</u>
SW102690	A Stormwater Steering Committee (or similar advisory group)? <u>Yes</u> Comments: <u>Town holds monthly Planning and Engineering committee that covers stormwater related issues</u>
SW102700	Stream clean-up events? No Root Cause : Best Management Practice is not established Plan of Action: Work with HOA's adjacent to creek basins to implement clean up days.
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Assess feasibility of the programs.</u>
SW102720	Reforestation programs or wetland planting programs? No Root Cause : Best Management Practice is not established Plan of Action: Assess feasibility of the programs.

SW102730	A stormwater ho <u>Yes</u>	tline?
SW102740	Volunteer monito <u>No</u> Root Cause : Plan of Action:	oring programs? Best Management Practice is not established Assess feasibility of the programs.
SW102750	Storm drain sten <u>No</u> Root Cause : Plan of Action:	ciling? Funds for stormwater management related activities are not sufficient Rely on alternate means of publishing information such as the town's website.
SW102760	Encourage neigh <u>No</u> Root Cause : Plan of Action:	borhood coordinators to become active in the program? Best Management Practice is not established Knightdale is currently reaching out to HOA's.
SW102770	Regional worksh <u>No</u> Root Cause : Plan of Action:	hops? Funds for stormwater management related activities are not sufficient Assess feasibility of the programs.
SW102780	Telephone/Web/ <u>No</u> Root Cause : Plan of Action:	Mall surveys? Funds for stormwater management related activities are not sufficient Rely on alternate means of publishing information such as the town's website.
SW102790	Working with citi <u>No</u> Root Cause : Plan of Action:	zen volunteers willing to educate others about the program? <u>Best Management Practice is not established</u> <u>Assess feasibility of the programs.</u>
SW102830	Adopt-A-Stream	Program
SW102840	The number of p programs. <u>0</u>	articipants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail
SW102850	The quantity of tr Adopt-a-trail volu <u>0</u>	rash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or unteers (in tons).
SW102860	Surveys	
SW102870	The number of c <u>0</u>	itizens solicited to complete surveys.
SW102880	The number of c <u>0</u>	ompleted surveys.

SW102890	Hotlines
000102000	nounes
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.
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). 0
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	Illicit Discharge Detection and Elimination
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 Root Cause : Best Management Practice is not established Plan of Action:
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? No Root Cause : Best Management Practice is not established Plan of Action: City of Raleigh maintains GIS data for sewer lines.
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? 95
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 : Best Management Practice is not established
	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 : Best Management Practice is not established
	Plan of Action: Assess feasibility of the programs.
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	
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? No Root Cause : Best Management Practice is not established 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? No Root Cause : Best Management Practice is not established 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? No Root Cause : Best Management Practice is not established Plan of Action:
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? No Root Cause : Best Management Practice is not established Plan of Action:
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution? No Root Cause : Best Management Practice is not established Plan of Action:
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? 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? Not Applicable
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? Yes
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.
SW104120	The number of sites repaired. <u>0</u>
SW104130	Wastewater Connections to the Storm Drain System
SW104140	The number of rerouted connections. 0
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	Construction Site Stormwater Runoff Control
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) No Root Cause : Best Management Practice is not established Plan of Action:
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.
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 Comments: Wake County administers erosion and sediment control program for the town.
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? <u>Yes</u>
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? <u>Yes</u>
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? <u>Yes</u>
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? No Root Cause : Best Management Practice is not established Plan of Action:
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) No Root Cause : Best Management Practice is not established Plan of Action:
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? <u>Yes</u>

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? \underline{Yes}
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? No Root Cause : Best Management Practice is not established Plan of Action:
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.

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. unknown

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	Post-Construction Storm Water Management in New Development and Redevelopment
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. 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.
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? No Root Cause : Best Management Practice is not established Plan of Action:
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? No Root Cause : Best Management Practice is inadequate Plan of Action:
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? No Root Cause : Best Management Practice is inadequate Plan of Action:
SW105130	Infiltration trenches? <u>Yes</u>
SW105140	Manufactured products installed in storm water inlets? No Root Cause : Best Management Practice is inadequate. Plan of Action:
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		rater Management Program, in coordination with the County Health Department, ensure and maintenance of on-site wastewater treatment systems for domestic wastewater?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	No wastewater treatment facilities in Knightdale.
SW105230	Does the Stormw <u>No</u>	ater Management Program provide training for staff and developers/builders?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	<u></u>
SW105260	BMP Inspection a	and maintenance
SW105270	Are annual inspe professional? <u>Yes</u>	ction reports required of permitted structural BMPs performed by a qualified
SW105280	The number of B <u>5</u>	MP inspections and/or maintenance activities.
SW105290	The number of pr <u>4</u>	roblems that were identified and remedied.
SW105300	New Developme	nt and Redevelopment BMP Summary
SW105310		evelopment/redevelopment projects regulated for post-construction stormwater control.
	<u>10</u>	
SW105550	Evaluation of Pos	st-construction Stormwater Management Program Measures
SW105560	the post-construct management pro	For those areas within the jurisdictional area of the permittee that are not subject to tion stormwater management provisions of another existing state stormwater gram, does the permittee's Post-construction Stormwater Management Program equal prmwater management and water quality protection provided by the following model
SW105570		ee issue local stormwater management permits to new development or redevelopment a low density project or a high density project?
SW105580	Do projects perm <u>Yes</u>	itted as a low density projects meet the following criteria:
SW105590	No more than two	o dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated	conveyances to the maximum extent practicable?
SW105610	Are projects pern <u>Yes</u>	nitted as high density projects meet the following requirements:
SW105620	post-developmer	control measures control and treat the difference between the pre-development and it conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a ours, 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? 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? No Root Cause : Best Management Practice is not established Plan of Action: Not a requirement of Phase II permit.
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? No Root Cause : Best Management Practice is not established Plan of Action: Not a requirement of Phase II permit.
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? No
	Root Cause :Best Management Practice is not establishedPlan of Action:Not a requirement of Phase II permit.
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? No
	Root Cause : Best Management Practice is not established Plan of Action: Not a requirement of Phase II permit.

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	Pollution Prevention/Good Housekeeping
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 : Best Management Practice is not established
	Plan of Action: Assess feasibility of programs.
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 : Best Management Practice is not established Plan of Action:
SW106010	Plan of Action: Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use? <u>No</u>
	Root Cause : Best Management Practice is not established 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 : Best Management Practice is not established Plan of Action:

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 Root Cause : Best Management Practice is not established Plan of Action:
SW106110	Industrial Activities
SW106120	Did the permittee conduct annual review of the industrial activities with a Phase I NPDES stormwater permit owned and operated by the permittee? <u>No</u> Root Cause : <u>Best Management Practice is not established</u>
	Plan of Action:
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. <u>No</u> Root Cause : <u>Best Management Practice is not established</u>
	Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u></u>
SW106160	Does the permittee have a Used Oil Recycling Program?
	Yes
SW106170	Does the permittee have a street sweeping program? <u>Yes</u>
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? <u>No</u>
	Root Cause : Best Management Practice is not established Plan of Action:
SW106200	Does the permittee have spill prevention plans at city facilities?
	Yes
SW106210	City Facilities Inspections
SW106220	Does the permittee inspect vehicle washing fueling, storage and maintenance areas? No Root Cause : Best Management Practice is not established
	Plan of Action:
SW106230	Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)? <u>No</u>
	Root Cause : Best Management Practice is not established Plan of Action:
	Plan of Action:

SW106240	Does the permittee inspect stormwater outfalls? No Root Cause : Best Management Practice is not established Plan of Action:
SW106250	Does the permittee inspect culverts? No Root Cause : Best Management Practice is not established Plan of Action:
SW106260	Does the permittee inspect swales/ditchs? Yes
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? Not Applicable
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.
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities.
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. 1
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. $\underline{0}$
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. $\underline{0}$
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. 0
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. 0
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). unknown
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. $\underline{1}$
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. <u>4,000</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 <u>Adopted</u>
SW107070	Erosion & Sediment Control <u>Not Applicable</u>
SW107080	Post-Development Stormwater Management <u>Adopted</u>
SW107090	Stormwater Ordinance <u>Adopted</u>
SW107100	Unified Development Ordinance Adopted
SW107110	Flood Damage Protection Ordinance <u>Adopted</u>
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

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Yes

Yes

SW100220

SW100260

Town of Knightdale					
Permit Number:	NCS000460		Report Number:	NCS000460_2019	
County:	Wake		Region:	Raleigh	2019
Background Informati	on				
SW100010	APPLICANT STAT	JS INFORMATION			
SW100020	Name of Public Enti	ty Seeking Permit Covera	age		
	Town of Knightdale				
SW100060	Jurisdictional Area (<u>6.19</u>	square miles)			
SW100070	Population Permane	ent			
	<u>11,401</u>				
		2010 Census. Estimated 10 ://www.knightdalenc.gov/site		ds/qfds2019_011519.pdf	
SW100080	Population Seasona	al (if available)			
	<u>N/A</u>				
SW100110	<u>RPE / MS4 SYSTEN</u>	I INFORMATION			
SW100120		e Area (square miles)			
	<u>6.19</u>				
SW100130	River Basin(s)				
	<u>1 - Neuse</u>				
SW100150	Estimated percenta	ge of jurisdictional area co	ontaining the follow	ing 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 inv	entory of storm water inle	ts, pipes, ditches, a	and open channels?	

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

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 Beaver Dam Creek
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>

014/400000		
SW10033B	Use Support Rating	
SW10033C	TMDL	
	No	
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 Mango/Mingo Creek	
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: <u>https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed_Planning/Neuse_River_Basin/Neuse</u> 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%20Rep ort%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? <u>No</u>
SW100510	If so, provide the name of that entity:
SW100550	Other Entity <u>N/A</u>
SW100560	Have legal agreements been finalized between the co-permittees?
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 <u>Wake County</u>
SW100610	Element they will implement <u>Construction Site Runoff Controls</u>
SW100620	Contact Person <u>Karyn Pageau</u>
SW100630	Contact Address <u>336 Fayetteville Street</u>
SW100640	Contact Telephone Number 919.796.8769
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
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 919.217.2250
SW101020	Fax 919.217.2249
SW101030	E-Mail phillip.bunton@knightdalenc.gov
SW101040	"Permittee's Website" https://www.knightdalenc.gov/departments/engineering/stormwater-management
SW101050	BMPs
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? \underline{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)? <u>No</u>
	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>No</u>		
	Root Cause : Best Management Practice is inadequate		
	Plan of Action: Frequency of BMP and implementation schedule not included in the current SWMP. Will amend next permit cycle.		
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>Yes</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>Yes</u>		
SW101730	Does the Stormwater Management Program describe the permittee'Is 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>Yes</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. Yes Comments: Clean Water Education Partnership (CWEP) is contracted to provide Public Education and Outreach and has developed educational materials.		
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</u> presented. These alternate means will be relied upon.
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? Yes Comments: 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.
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? Yes
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK and the CWEP have websites where educational material is presented. These alternate means will be relied upon.
SW101960	Storm drain stenciling No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK is evaluating its Stormwater Program and may proceed with stenciling in the future.

SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u>
	Root Cause : Best Management Practice is not established Plan of Action: CWEP provides educational programming.
SW101980	Workshops <u>Yes</u>
SW101990	Stream basin signage? <u>No</u>
	Root Cause : Funds for stormwater management related activities are not sufficient
	Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with stream basin signage in</u> the future.
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: https://www.knightdalenc.gov/departments/engineering/stormwater-management
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: https://www.knightdalenc.gov/departments/engineering/stormwater-management
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.
	Comments: <u>Knightdale High School students were trained to educate Forestville Elementary School students</u> about stormwater.
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. 63
	—
	Comments: <u>18 high school students were trained and 45 elementary school students were reached.</u>
SW102100	
SW102100 SW102110	Comments: <u>18 high school students were trained and 45 elementary school students were reached.</u> The number of workshops held for teachers.
	Comments: <u>18 high school students were trained and 45 elementary school students were reached.</u> The number of workshops held for teachers. <u>0</u> The number of certificates or other rewards given out to schools, classes, or students participating in storm water education.

SW102150	The number of stormwater related displays at special events or meetings.
	Comments: Fourth of July and Easter Egg Hunt events.
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.
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. 0
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. 20 Comments: 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.
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. $\underline{3}$
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: TOK does not perform curbside pick up for hazardous waste.
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</u> <u>quarter-page ad highlighted the importance of picking up pet waste for stormwater pollution</u> <u>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.
	Comments: <u>CWEP produces a cinema campaign, a Spectrum digital campaign, a digital CBC campaign, a</u> <u>broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>an estimate of 91,787 impressions for TOK in FY 2019.</u>
SW102560	The number of stormwater related press releases/advertising. unk
	Comments: <u>CWEP produces a cinema campaign, a Spectrum digital campaign, a digital CBC campaign, a</u> <u>broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>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. $\underline{0}$
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	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 : Best Management Practice is inadequate
	Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP. The SWMP will</u> be updated during the next permit cycle.
SW102640	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? <u>No</u>
	Root Cause : Best Management Practice is inadequate Plan of Action: The SWMP will be updated during the next permit cycle.
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.
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? <u>Yes</u>
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:
SW102680	Public Hearings, stakeholder meetings, or other meetings? <u>Yes</u>
SW102690	A Stormwater Steering Committee (or similar advisory group)? Yes
	Comments: <u>TOK holds monthly Planning and Engineering committee that covers stormwater related issues. A</u> <u>Stormwater Steering Committee was created, but disbanded to lack of participation and events.</u>
SW102700	Stream clean-up events? No Root Cause : Best Management Practice is not established Plan of Action: TOK is evaluating its Stormwater Program and may proceed with stream cleanups in the future.
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program? <u>Yes</u>
SW102720	Reforestation programs or wetland planting programs? <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with reforestation or wetland</u> planting programs in the future.

SW102730	A stormwater hotline?
	No
	Root Cause : <u>Best Management Practice is not established</u>
	Plan of Action: <u>Hotline creation in progress.</u>
SW102740	Volunteer monitoring programs?
	No Rest Course and Rest Management Practice is not established
	Root Cause : Best Management Practice is not established Plan of Action: TOK is evaluating its Stormwater Program and may proceed with volunteer monitoring
	Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with volunteer monitoring</u> programs in the future.
SW102750	Storm drain stenciling?
	No
	Root Cause : Best Management Practice is not established
	Plan of Action: TOK is evaluating its Stormwater Program and may proceed with stenciling in the future.
SW102760	Encourage neighborhood coordinators to become active in the program? <u>Yes</u>
SW102770	Regional workshops?
	Yes
	Comments: <u>CWEP provides workshops.</u>
SW102780	Telephone/Web/Mall surveys?
	No
	Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK is evaluating its Stormwater Program and may proceed with public surveys in the
	future.
SW102790	Working with citizen volunteers willing to educate others about the program?
	No
	Root Cause : Best Management Practice is not established
	Plan of Action: TOK is evaluating its Stormwater Program and may proceed with volunteer education in the
	future.
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: Adopt-a-trail program removed less than 1 ton of trash and debris.
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). 0
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. 0
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	Illicit Discharge Detection and Elimination
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 : Best Management Practice is inadequate Plan of Action: IDDE program under development.
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? \underline{Yes}
SW103260	Does stormwater mapping include drainage areas? No Root Cause : Best Management Practice is not current Plan of Action: Map under development.
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? 88 Comments: Includes level spreaders.
SW103330	Percent of outfall mapping complete. 80
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> Rest Management Prosting is not established
	Root Cause : Best Management Practice is not established Plan of Action: IDDE program under development.
	Plan of Action: IDDE program under development.
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 : Best Management Practice is not established
	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	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? No Root Cause : Best Management Practice is not established Plan of Action: Non-stormwater discharges will be evaluated in next permit.
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?
	Root Cause : Best Management Practice is not established
	Plan of Action: IDDE program under development.
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: IDDE program under development.
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system? No Root Cause : Best Management Practice is not established Diagonal for the standard stan
	Plan of Action: IDDE program under development.
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? No
	Root Cause : Best Management Practice is not established Plan of Action: IDDE program under development.
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? Not Applicable
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? No Root Cause : Best Management Practice is not established Plan of Action: IDDE program under development.
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? system? <u>Not Applicable</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? No Root Cause : Best Management Practice is not established Plan of Action: IDDE program under development.
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection.
SW103870	The number of illicit connections reported by citizens. <u>0</u>
SW103880	The number of illicit connections found. 1 Comments: On Forest Drive in TOK, a sediment stockpile was discovered that was contributing sediment to a stream. The issue is currently being resolved.
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. 1 Comments: Non-citizen reported and investigated by TOK Police.

SW103970	Industrial or Business Connections
SW103980	The number of dry weather tests/inspections completed. 0
SW103990	The number of high-risk connections prioritized.
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.
SW104120	The number of sites repaired. <u>0</u>
SW104130	Wastewater Connections to the Storm Drain System
SW104140	The number of rerouted connections.
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	Construction Site Stormwater Runoff Control
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) <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u>
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.
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 Comments: Wake County provides Construction Site Stormwater Runoff Control.
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? <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u>
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? <u>Yes</u>
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? <u>Yes</u>
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? No Root Cause : Best Management Practice is not established Plan of Action: Wake County provides Construction Site Stormwater Runoff Control.
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
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? <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control.</u>

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? Yes 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? No Root Cause : Best Management Practice is not established Plan of Action: Wake County provides Construction Site Stormwater Runoff Control.
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? No Root Cause : Best Management Practice is not established Plan of Action: Hotline to be established.
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: DOT Level 1 Certification offered to staff.
SW104490	The number of trained staff inspectors. <u>1</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. 14 Comments: 8 subdivisions and 6 commercial sites reviewed in CY 2019.
SW104590	The number of enforcement actions or NOVs taken. <u>1</u> Comments: <u>1 delivered though Wake County as Construction S&EC.</u>

Post-Construction Storm Water Management in New Development and Redevelopment

SW104890	Post-Construction Storm Water Management in New Development and Redevelopment
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? \underline{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? <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. 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.
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? No Root Cause : Best Management Practice is not established Plan of Action: SWMP will be updated during next permit cycle.
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 : Best Management Practice is not established Plan of Action: No wastewater treatment facilities in Knightdale

SW105230	Does the Stormwater Management Program provide training for staff and developers/builders?
	No
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>TOK is evaluating its Stormwater Program and may proceed with developer/builder</u>
	education in the future.
SW105260	BMP Inspection and maintenance
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.
	<u>28</u>
	Comments: <u>A consultant for TOK conducted 20 SCM inspections. 8 owners conducted their own annual</u> inspections and submitted reports to TOK. 13 total deficient sites were found and 3 have been
	repaired at this time.
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: 69 sites tracked with 88 SCMs total in TOK.
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?
	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,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
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;

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? 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 Comments: Neuse Regional Watershed Plan and Wake-Johnston Collaborative Local Watershed Plan
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? No Root Cause : Best Management Practice is not established Plan of Action: No Trout Waters identified in TOK.
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? No Root Cause : Best Management Practice is not established
	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	Pollution Prevention/Good Housekeeping	
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 : Best Management Practice is inadequate	
	Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be</u> updated next permit cycle.	
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? No	
	Root Cause : Best Management Practice is inadequate	
	Plan of Action: <u>Pollution Prevention/Good Housekeeping program under development. SWMP will be</u> updated next permit cycle.	
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 Serv <u>Yes</u>	vice Facilities
SW105910	Fire Stations <u>Yes</u>	
SW105920	Landfills <u>No</u>	
SW105930	Schools <u>Yes</u>	
SW105940	Parks <u>Yes</u>	
SW105950	Waste Recycling <u>No</u>	g Centers
SW105960	Vehicle Mainten <u>Yes</u>	ance Operations
SW105970	Vehicle Wash O <u>Yes</u>	perations
SW105980	Pump Stations o <u>No</u>	or Lift Stations
SW105990	Other: <u>N/A</u>	
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 :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.
SW106010	Does the Stormy permittee plans <u>No</u>	water Management Program describe any existing, available training materials the to use?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention/Good Housekeeping program under development. SWMP will be updated next permit cycle.

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

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

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u>
	Comments: Parks are inspected for wash and sedimentation issues. A consultant performs SCM inspection and maintenance.
SW106330	The number of inspections conducted. <u>4</u>
	Comments: Quarterly
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. 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
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. $\underline{0}$
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. 2
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. unk Comments: Monthly sweep of all TOK roads with curbs.
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. $\underline{0}$
SW106820	The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment. 0
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). 1 Comments: Less than 1 ton.
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	Staff and Capital Improvement Projects
SW106980	The number of staffed stormwater management position(s). 1 Comments: 0.25 FTE Supervisor, 0.25 FTE Labor x 3
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 <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 Adopted
SW107110	Flood Damage Protection Ordinance <u>Adopted</u>
SW107120	Other: Not Applicable
SW107130	Other: <u>Not Applicable</u>
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:		Report Number: NCS000460_2020	
County:	Wake	Region: Raleigh	2020
Background Inform	nation_		
SW100010	APPLICANT STATUS INF	ORMATION	
SW100020	Name of Public Entity See <u>Town of Knightdale</u>	king Permit Coverage	
SW100060	Jurisdictional Area (square <u>6.19</u>	e miles)	
SW100070		ensus. Estimated 16,753 nightdalenc.gov/sites/default/files/uploads/gfds2019_01151	9.pdf
SW100080	Population Seasonal (if av <u>N/A</u>		
SW100110	<u>RPE / MS4 SYSTEM INFO</u>	ORMATION	
SW100120	Storm Sewer Service Area <u>6.19</u>	a (square miles)	
SW100130	River Basin(s) <u>1 - Neuse</u>		
SW100150	Estimated percentage of ju	urisdictional area containing the following four land us	se 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 <u>Yes</u>	of storm water inlets, pipes, ditches, and open chann	nels?
SW100220	Do you know how many or <u>Yes</u>	utfalls your city discharges to and where they are loca	ated?
SW100260	EXISTING LOCAL WATE	R 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 th 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 lister 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
	No
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: <u>https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed_Planning/Neuse_River_Basin/Neuse</u> <u>01_RWP/Neuse%2001%20RWP%20Fact%20Sheet%20201609.pdf</u> <u>https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Services/Watershed_Planning/Neuse</u> <u>_River_Basin/Wake_Johnston_Collaborative/WJC%20LWP%20Preliminary%20Findings%20Rep</u> <u>ort%20FINAL.pdf</u>
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? <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	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? <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 Construction Site Runoff Controls
SW100620	Contact Person <u>Karen Pageau</u>
SW100630	Contact Address <u>336 Fayetteville Street</u>
SW100640	Contact Telephone Number 919.796.8769
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
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 <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 919.217.2250
SW101020	Fax <u>919.217.2249</u>
SW101030	E-Mail Ike.Archer@knightdalenc.gov
SW101040	"Permittee's Website" https://www.knightdalenc.gov/departments/engineering/stormwater-management
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? Yes Comments: 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 municiple facilities. Our goal is to have both completed and administered in PY4
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? <u>Yes</u>

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>No</u>
	Root Cause : Best Management Practice is inadequate
	Plan of Action: Frequency of BMP and implementation schedule not included in current SWMP. Will amend next permit cycle
SW101710	Does the Stormwater Management Program identify the target audiences likely to have significant storn water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected? <u>Yes</u>
SW101720	Does the Stormwater Management Program identify what target pollutant sources the permittee's publi education program is designed to address and why those sources are an issue? <u>Yes</u>
SW101730	Does the Stormwater Management Program describe the permittee'ls 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 involve in the storm water program? <u>Yes</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. Yes Comments: Clean Water Education Partnership (CWEP) is contracted to provide Public Education and Outreach and has developed educational materials
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.</u> <u>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</u> and general stormwater information.
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? No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK and CWEP have websites where education material is presented. These alternative means will be relied upon
SW101960	Storm drain stenciling No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK is continuing to evaluate its Stormwater Program and may proceed with stenciling in the future

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</u> <u>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 progran staff? <u>Yes</u>
	Comments: https://www.knightdalenc.gov/departments/engineering/stormwater-management
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 progran staff? <u>Yes</u>
	Comments: https://www.knightdalenc.gov/departments/engineering/stormwater-management
SW102060	Classroom Outreach
SW102070	The number of educational materials distributed to schools.
SW102080	0 Comments: <u>No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume</u>
SW102080	<u>0</u> Comments: <u>No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume</u> <u>distribution once schools are back in session.</u> The number of schools that participate in municipal-sponsored storm water workshops or activities.
SW102080 SW102090	 <u>0</u> Comments: No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume distribution once schools are back in session. The number of schools that participate in municipal-sponsored storm water workshops or activities. <u>0</u> Comments: No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume
	Q Comments: No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume distribution once schools are back in session. The number of schools that participate in municipal-sponsored storm water workshops or activities. Q Comments: 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. The number of students that participate in municipal-sponsored storm water workshops or activities.
	Ω Comments: No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume distribution once schools are back in session. The number of schools that participate in municipal-sponsored storm water workshops or activities. Ω Comments: 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. The number of students that participate in municipal-sponsored storm water workshops or activities. Ω The number of students that participate in municipal-sponsored storm water workshops or activities. Ω Comments: No workshops were held in 2020 due to the COVID-19 pandemic. TOK will resume scheduling
SW102090	Q Comments: No education materials were provided in 2020 due to the COVID-19 pandemic. TOK will resume distribution once schools are back in session. The number of schools that participate in municipal-sponsored storm water workshops or activities. Q Comments: 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. The number of students that participate in municipal-sponsored storm water workshops or activities. Q The number of students that participate in municipal-sponsored storm water workshops or activities. Q Comments: No workshops were held in 2020 due to the COVID-19 pandemic. TOK will resume scheduling activities once schools are back in session. Comments: No workshops were held in 2020 due to the COVID-19 pandemic. TOK will resume scheduling activities once schools are back in session. The number of workshops held for teachers.

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</u> <u>annual Christmas tree lighting ceremony.</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. 120 Comments: Total: 120 90 kids: k-5 10 kids: 5-8 20 adults
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</u>
	stormwater information
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: NCSU stream restoration materials were given to a resident with erosional issues on his property.
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 guarter-page ad highlighted the importance of properly disposing of litter for stormwater pollution </u>
	prevention, as well as general stormwater education
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</u> <u>broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>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</u> <u>broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>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 $\underline{0}$
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. $\underline{0}$

Public Involvement and Participation

014/400000	
SW102620	Public Involvement and Participation
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? <u>No</u>
	Root Cause : Best Management Practice is inadequate
	Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP. The SWMP will</u> be updated during the next permit cycle
SW102640	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? <u>No</u>
	Root Cause : Best Management Practice is inadequate
	Plan of Action: <u>The SWMP will be updated during the next permit cycle</u>
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.
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 o public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups? <u>Yes</u>
SW102670	Has the permittee provided for the means to involve the public in the development and implementation the permittee's storm water management program through:
SW102680	Public Hearings, stakeholder meetings, or other meetings? <u>Yes</u>
SW102690	A Stormwater Steering Committee (or similar advisory group)? <u>Yes</u>
	Comments: <u>TOK holds monthly planning and engineering committee that covers stormwater related issues. A</u> <u>Stormwater Steering Committee was created, but disbanded due to lack of participation and</u> <u>events.</u>
SW102700	Stream clean-up events? <u>No</u>
	Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate its Stormwater Program and may proceed with stream cleanups in the future
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program? <u>Yes</u>
SW102720	Reforestation programs or wetland planting programs? <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and ay proceed with reforestation</u> wetland planting programs in the future

SW102730	A stormwater hotline? <u>Yes</u> Comments: <u>(919-217-2257)</u>
SW102740	Volunteer monitoring programs? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to to evaluate its Stormwater program and may proceed with a volunter monitoring program in the future
SW102750	Storm drain stenciling? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to to evaluate its Stormwater program and may proceed with storm dra stenciling in the future
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? No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK is continuing to to evaluate its Stormwater program and may proceed with public surveys in the future
SW102790	Working with citizen volunteers willing to educate others about the program? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to to evaluate its Stormwater program and may proceed with volunteer education in the future
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail prograr <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. 1 Comments: Evaluation and education materials provided
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	Illicit Discharge Detection and Elimination
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 Root Cause : Best Management Practice is inadequate Plan of Action: The IDDE program is still under development
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? No Root Cause : Best Management Practice is not current Plan of Action: Map is under development
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 an 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: No Root Cause : Best Management Practice is not established Plan of Action: Non-stormwater discharges will be evaluated in the next permit
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 contributine significant amounts of pollutants to the permittee's MS4? <u>No</u>
	Root Cause : Best Management Practice is not established
	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 th 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: Stormwater hotline is advertised online and on fleet vehicle
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system <u>Yes</u>
	Comments: Spreadsheet located on S drive
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>Yes</u>
	Comments: Incident report forms are completed for every reported incident
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 th Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets ar 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: Incident report Forms identify contact information for Raleigh utilities in the case of cross
	connection or discharge.
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u>
	Comments: Plan review by City of Raleigh to ensure delineation
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? No Root Cause : Best Management Practice is not established Plan of Action: IDDE program under development
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. $\underline{0}$
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>

SW1	04180
3001	04100

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Construction Site Stormwater Runoff Control

SW104190	Construction Site Stormwater Runoff Control
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) <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: Wake County provides Construction Site Stormwater Runoff Control
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 of more acres of land surface and those activities less than one acre that are part of a larger common pla of development.
SW104220	Does the permittee rely on rely on a locally delegated program to meet the minimum measure for priva development requirements? (If no, go to SW104300) <u>Yes</u>
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? <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>
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? <u>Yes</u>
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? <u>Yes</u>
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? No Root Cause : Best Management Practice is not established Plan of Action: Wake County provides Construction Site Stormwater Runoff Control
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) <u>Yes</u>
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? <u>No</u>
	Root Cause : Best Management Practice is not established Plan of Action: Wake County provides Construction Site Stormwater Runoff Control
	Fight of Action. Wake County provides Construction Site Stornwater Rubbin Control

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, whic incorporate consideration of potential water quality impacts? <u>Yes</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee in 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 permitte 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 : Best Management Practice is not established Plan of Action: Wake County provides Construction Site Stormwater Runoff Control
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 <i>ε</i> 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. 14 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 Post-Construction Storm Water Management in New Development and Redevelopment 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? <u>Yes</u> SW104920 The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ pri 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? 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 Best Management Practice is not established Root Cause : Plan of Action: SWMP will be updated during next permit cycle SW105010 Do new development and redevelopment codes allow for the following: 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? <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, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u>
	Root Cause :Best Management Practice is not establishedPlan of Action:No wastewater treatment facilities in Knightdale

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</u> <u>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: 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.
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 contro <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 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 redevelopmen 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 incorporate 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 comprehensiv 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 Bas 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 al ordinance (or similar regulatory mechanism) to ensure that the best management practices selected dc 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 mechanis 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? No Root Cause : Best Management Practice is not established Plan of Action: SWMP will be updated during the next permit cycle
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	Pollution Prevention/Good Housekeeping
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 : Best Management Practice is inadequate
	Plan of Action: Pollution Prevention / Good Housekeeping program is under development. SWMP will be updated during the next permit cycle.
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program? No
	Root Cause : <u>Best Management Practice is inadequate</u>
	Plan of Action: Pollution Prevention / Good Housekeeping program under development. SWMP will be updated next permit cycle.
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	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: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be</u> <u>updated next permit cycle.</u>	
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: <u>Pollution Prevention / Good Housekeeping Program under development. SWMP will be</u> <u>updated next permit cycle.</u>	

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 :	Best Management Practice is not established	
	Plan of Action:	Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.	
SW106050	of waste remov	nwater Management Program describe the permittee's procedures for the proper disposited from the permittee's MS4 and the permittee's municipal operations, including dredge ated sediments, floatables, and other debris?	
	Root Cause :	Best Management Practice is not established	
	Plan of Action:	Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.	
SW106110	Industrial Activi	ties	
SW106120	•	ee conduct annual review of the industrial activities with a Phase I NPDES stormwater and operated by the permittee?	
	Root Cause :	Best Management Practice is not established	
	Plan of Action:	Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.	
SW106130		ee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring d by the Phase I permit, and the results of inspections and subsequent follow-up actions	
	Root Cause :	Best Management Practice is not established	
	Plan of Action:	Pollution Prevention / Good Housekeeping Program under development. SWMP will be updated next permit cycle.	
SW106160	Does the permi <u>Yes</u>	ittee have a Used Oil Recycling Program?	
SW106170	Does the permi <u>Yes</u>	ittee have a street sweeping program?	
SW106180	Does the permi <u>Yes</u>	ittee have a program to clean catch basins, storm lines, and ditches?	
SW106190	Does the permi	ittee review fertilizer and pesticide use programs?	
	Yes		
		ublic works staff that administer Pesticide/Herbicide's are licensed applicators with annual enewals	
SW106200	Does the permi <u>Yes</u>	ittee have spill prevention plans at city facilities?	
SW106210	City Facilities In	nspections	

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

SW106320	Does the permittee inspect parks and open spaces? Yes
	Comments: <u>Parks are inspected for wash and sediment issues. A consultant performs SCM inspections and</u> <u>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 managemer techniques. 0 0
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. 9
	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: Located at Parks and along trails
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: Less than 1 ton applied

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. $\underline{0}$
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. 5 Comments: All OPS staff - OSHA training
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: Less than 1 ton
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. $\underline{0}$

The number of designated municipal vehicle washing areas.

0

Program Accomplishments

SW106970	Staff and Capital Improvement Projects
SW106980	The number of staffed stormwater management position(s). 3.5 FTE's
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	Ordinance, Legal or Regulatory Authority
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: 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_2021	
County:	Wake	Region: Raleigh	2021
Background Inform	ation		
SW100010	APPLICANT STATUS IN	IFORMATION	
SW100020	Name of Public Entity Se <u>Town of Knightdale</u>	eking Permit Coverage	
SW100060	Jurisdictional Area (squa <u>6.19</u>	re miles)	
SW100070	Population Permanent <u>11401</u>		
		<u>Census. Estimated 16,753</u> knightdalenc.gov/sites/default/files/uploads/qfds201901151	<u>9.pdf</u>
SW100080	Population Seasonal (if a <u>n/a</u>	available)	
SW100110	<u>RPE / MS4 SYSTEM INF</u>	ORMATION	
SW100120	Storm Sewer Service Are 6.19	ea (square miles)	
SW100130	River Basin(s) <u>1 - Neuse</u>		
SW100150	Estimated percentage of	jurisdictional area containing the following four land u	se 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 inventor <u>.</u> <u>Yes</u>	y of storm water inlets, pipes, ditches, and open chan	nels?
SW100220	Do you know how many <u>Yes</u>	outfalls your city discharges to and where they are loc	cated?
W100260	EXISTING LOCAL WAT	ER 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 th 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 lister 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 Estuary</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> Comments: <u>Nitrogen</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>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 Yes Comments: <u>https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed Planning/Neuse River Basin/Neuse</u> 01 RWP/Neuse%2001%20RWP%20Fact%20Sheet%2020160.p9df <u>https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Srevices/Watershed Planning/Neuse</u> <u>River Basin/Wake Johnston Collaborative/WJC%20LWP%20Preliminary%20Findings%20Rep</u> ort%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	CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)
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	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? <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 919-736-8769
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
SW100660	PERMITS AND CONSTRUCTION APPROVALS
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee Permit No. NCS000460 Issued 2/20/2017
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 Dustin Tripp

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" https://www.knightdalenc.gov/departments/engineering/stormwater-management
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? <u>Yes</u>

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? No Root Cause : Best Management Practice is inadequate Plan of Action: Frequency of BMP and implementation schedule not included in current SWMP, Will
	amend next permit cycle.
SW101710	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? <u>Yes</u>
SW101720	Does the Stormwater Management Program identify what target pollutant sources the permittee's publi education program is designed to address and why those sources are an issue? <u>Yes</u>
SW101730	Does the Stormwater Management Program describe the permittee'ls 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 involve in the storm water program? <u>Yes</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. Yes Comments: Clean Water Education Partnership (CWEP) is contracted to provide Public education and Outreach and has developed educational materials
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</u> <u>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</u> and general Stormwater information.
SW101910	Presentations to local community groups?
	Yes
SW101920	<u>Yes</u> Stormwater programs/presentations for elementary or middle schools? <u>No</u>
SW101920	Stormwater programs/presentations for elementary or middle schools?
SW101920	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town wil resume these programs once restrictions are lifted.
SW101920	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town wil
SW101920 SW101930	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Comments: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume
	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Comments: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Local TV or radio spots?
SW101930	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town wil resume these programs once restrictions are lifted. Comments: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Local TV or radio spots? Yes Print Media - Ads / Articles / Newsletters?
SW101930 SW101940	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Comments: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Local TV or radio spots? Yes Print Media - Ads / Articles / Newsletters? Yes Posters?
SW101930 SW101940	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Comments: No school programming was conducted in the 2020-2021 due to COVID-19. The town will resume these programs once restrictions are lifted. Local TV or radio spots? Yes Print Media - Ads / Articles / Newsletters? Yes Posters? No

SW101960	Storm drain stenciling <u>No</u>
	— Root Cause : Funds for stormwater management related activities are not sufficient
	Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stenciling in</u> the future.
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u>
	Root Cause :Best Management Practice is not establishedPlan of Action:CWEP provides educational programming
SW101980	Workshops <u>No</u>
	Root Cause : Best Management Practice is not effective or implemented properly
	Plan of Action: <u>No workshops were conducted in 2020-2021 due to restrictions associated with COVID-1</u> The town will resume these programs once these restrictions are lifted.
SW101990	Stream basin signage? <u>No</u>
	Root Cause : Funds for stormwater management related activities are not sufficient
	Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stream basi</u> signage in the future
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 progran staff? <u>Yes</u>
	Comments: https://www.knightdale.gov/departments/engineering/stormwater-management
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 progran staff? <u>Yes</u>
	Comments: https://www.knightdale.gov/departments/engineering/stormwater-management
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</u> the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted.
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</u> the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted.
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities.
	0 Comments: <u>No workshops were held in 2020-2021 due to restrictions associated with the COVID-19</u> pandemic. TOK will resume scheduling these activities once restrictions are lifted.

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	D O Comments: No special events were scheduled in 2020-2021 due to restrictions associated with the COVID-19 pandemic.
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. 0
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). $\underline{0}$
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. 0 Comments: TOK does not provided curbside pickup for HHW
SW102420	The number of educational materials distributed to homeowners. 1 Comments: NCSU stream restoration materials were given to a HO with erosional issues on his property
SW102430	The number of partnerships established with businesses.
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. 40 Comments: CWEP advertised in the Spanish-language newspaper "La Noticia" once weekly for 10 months.

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</u> <u>Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>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 $\underline{0}$
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	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 : Best Management Practice is inadequate
	Plan of Action: <u>Responsible persons are not identified for implementation in the SWMP, the SWMP will b</u> updated during the next permit cycle.
SW102640	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? <u>No</u>
	Root Cause : <u>Best Management Practice is inadequate</u>
	Plan of Action: The SWMP will be updated during the next permit cycle.
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.
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 o public involvement activities included in the permittee's program that the permittee plans to use to educate local community groups? <u>Yes</u>
SW102670	Has the permittee provided for the means to involve the public in the development and implementation the permittee's storm water management program through:
SW102680	Public Hearings, stakeholder meetings, or other meetings? <u>Yes</u>
SW102690	A Stormwater Steering Committee (or similar advisory group)? <u>Yes</u>
	Comments: <u>The TOK holds monthly planning and engineering committee that covers Stormwater related</u> <u>issues. A Stormwater Steering Committee was created, but disbanded due to lack of participation</u> <u>and events.</u>
SW102700	Stream clean-up events? <u>No</u>
	Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program? <u>Yes</u>
SW102720	Reforestation programs or wetland planting programs? <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with reforestation</u>
	and wetland planting programs in the future.

SW102730	A stormwater hotline? <u>Yes</u> Comments: <u>919-217-2257</u>
SW102740	Volunteer monitoring programs? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate its Stormwater Program and may proceed with implementir a volunteer monitoring program in the future.
SW102750	Storm drain stenciling? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate its Stormwater Program and may proceed with a stenciling program in the future.
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? No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK is continuing to evaluate the Stormwater program and may proceed with public surveys in the future.
SW102790	Working with citizen volunteers willing to educate others about the program? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate its Stormwater Program and may proceed with volunteer education in the future.
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail prograr <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). 0
SW103120	The number of volunteer monitoring stations established in the watershed. 0
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. 0
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	Illicit Discharge Detection and Elimination
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 : Best Management Practice is inadequate
	Plan of Action: <u>Frequency of BMP and implementation schedule not included in current SWMP, will</u> amend next permit cycle.
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? No Root Cause : Best Management Practice is not current
	Plan of Action: Map is still under development. A Sub-catchment layer is currently being developed.
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. 90
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 an 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: No Root Cause : Best Management Practice is not established Plan of Action: Non-Stormwater discharges will be evaluated in the next permit cycle
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 contribution 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 th 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 : Best Management Practice is not established
	Plan of Action: IDDE program supplement is still under development.
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u>
	Comments: Stormwater Hotline is advertised online and on the the primary fleet vehicle used for SW response.
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: Incident report Forms are completed for every reported incident
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 th Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets ar 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? Yes Comments: All IDDE reports or investigations revealing connections to sanitary are forwarded to Raleigh utilities.
SW103770	
Sw103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u>
	Comments: Plan review by City of Raleigh to ensure delineation
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? No Root Cause : Best Management Practice is not established Dimensional Content in the stable of the sta
	Plan of Action: IDDE Program still under development
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>

SW1	04180
3001	04100

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Construction Site Stormwater Runoff Control

SW104190	Construction Site Stormwater Runoff Control
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) <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>Wake County provides Construction Site Stormwater Runoff Control</u>
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 of more acres of land surface and those activities less than one acre that are part of a larger common pla of development.
SW104220	Does the permittee rely on rely on a locally delegated program to meet the minimum measure for priva development requirements? (If no, go to SW104300) <u>Yes</u>
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? <u>Yes</u>
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? <u>Yes</u>
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? <u>Yes</u>
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? <u>No</u>
	Root Cause : <u>Best Management Practice is not established</u>
	Plan of Action: Wake County provides Construction Site Runoff Control
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) <u>No</u>
	Root Cause : <u>Authority is ineffective and/or inadequate</u>
	Plan of Action: <u>TOK is not a delegated authority, and relies on WC to implement the requirements of our</u> <u>Construction Site Runoff Program.</u>
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? <u>Not Applicable</u>

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, whic 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 in 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 permitte 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 an 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 ϵ 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 Post-Construction Storm Water Management in New Development and Redevelopment 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? <u>Yes</u> SW104920 The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ pri 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? 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 Root Cause : Best Management Practice is not established 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?** 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 SW105000 Crassed filter strips? Yes SW105100 Green parking lots? Yes SW105100 In-line storage systems? Yes SW105100 In-line storage systems? Yes SW105120 Infiltration basins? Yes SW105130 Infiltration trenches? Yes SW105130 Infiltration trenches? Yes SW105130 Infiltration trenches? Yes SW105140 Developments and redevelopments that use narrow streets? Yes SW105150 Op-lot treatment? Yes SW105160 Op-lot treatment? Yes SW105170 Open space design? Yes SW105180 Sond and organic filters? Yes SW105180 Porous pavement? Yes SW105190 Porous pavement? Yes SW105200 Stormwater wetlands? Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu Proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No		
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 SW105140 Developments and redevelopments that use narrow streets? Yes SW105140 On-lot treatment? Yes SW105140 Open space design? Yes SW105140 Sand and organic filters? Yes SW105140 Sand and organic filters? Yes SW105140 Sourment? Yes SW105140 Developments and redevelopments that use narrow streets? Yes SW105140 On-lot treatment? Yes SW105140 Open space design? Yes SW105140 Sand and organic filters? Yes SW10520 Stormwater wetands? Yes SW105210 Utban forestry? Yes SW105220 Des the Stormwater Management Program, in coordination with the County Health Department, ensuger proper operation and maintenance of on-site watewater treatment systems for domestic wastewater? You Counce:	SW105080	
Yes SW105110 In-line storage systems? Yes SW105120 Infiltration basins? Yes SW105130 Infiltration trenches? Yes SW105140 Manufactured products installed in storm water inlets? Yes SW105140 Manufactured products installed in storm water inlets? Yes SW105140 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 Sornwater wetlands? Yes SW105190 Stormwater wetlands? Yes SW105200 Stormwater wetlands? Yes SW105200 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? Root Cause : Best Management Practice is not established	SW105090	
Initial and a big by conter- 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 SW105190 Song and morganic filters? Yes SW105190 Dorous pavement? Yes SW105190 Dorous pavement? Yes SW105200 Stormwater wetlands? Yes SW105200 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No	SW105100	
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 Sand and organic filters? Yes SW105100 Stormwater wetlands? Yes SW105200 Urban forestry? Yes SW105210 Urban forestry? Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No	SW105110	
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, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No	SW105120	
Yes SW105150 Developments and redevelopments that use narrow streets? SW105160 On-lot treatment? Yes SW105170 Open space design? Yes SW105180 Sand and organic filters? Yes SW105190 Porous pavement? Yes SW105190 Stormwater wetlands? Yes SW105200 Stormwater wetlands? Yes Yes SW105210 Urban forestry? SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? NO Root Cause : Best Management Practice is not established	SW105130	
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, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105140	
Yes SW105170 Open space design? Yes SW105180 Sand and organic filters? Yes SW105190 Porous pavement? Yes SW105190 Stormwater wetlands? Yes SW105200 Stormwater wetlands? Yes SW105210 Urban forestry? Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105150	
SW105180 Sand and organic filters? Yes SW105190 Porous pavement? Yes SW105200 Stormwater wetlands? Yes SW105210 Urban forestry? Yes SW105220 Urban forestry? Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105160	
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, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105170	
SW105200 Stormwater wetlands? Yes SW105210 Urban forestry? Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105180	
Yes SW105210 Urban forestry? Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105190	
Yes SW105220 Does the Stormwater Management Program, in coordination with the County Health Department, ensu proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? No Root Cause : Best Management Practice is not established	SW105200	
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>	SW105210	
Plan of Action: No wastewater treatment facilities located within town limits.	SW105220	proper operation and maintenance of on-site wastewater treatment systems for domestic wastewater? <u>No</u>
		Plan of Action: No wastewater treatment facilities located within town limits.

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</u>
	developer/builder education in the future
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</u> sites were identified with 9 having completed repairs at this time.
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: 47 projects, with 91 total SCM devices in TOK
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 redevelopmen 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 incorporate 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: Neuse Regional Watershed Plan and Wake-Johnson Collaborative Local Watershed Plan
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 Bas 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 a ordinance (or similar regulatory mechanism) to ensure that the best management practices selected dc not result in a sustained increase in the receiving water temperature? Not Applicable
	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 mechanis) 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? No Root Cause : Best Management Practice is not established Plan of Action: SWMP will be updated during the next permit cycle
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	Pollution Prevention/Good Housekeeping
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 : Best Management Practice is inadequate
	Plan of Action: Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
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</u> updated during the next permit cycle.
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	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: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be</u> updated during the next permit cycle.
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: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be</u> updated during the next permit cycle.

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 :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be
		updated during the next permit cycle.
SW106050	Does the Stormwater Management Program describe the permittee's procedures for to of waste removed from the permittee's MS4 and the permittee's municipal operation spoil, accumulated sediments, floatables, and other debris? <u>No</u>	
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106110	Industrial Activi	ties
SW106120		ee conduct annual review of the industrial activities with a Phase I NPDES stormwater and operated by the permittee?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106130		ee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring d by the Phase I permit, and the results of inspections and subsequent follow-up actions
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106160	Does the permi <u>Yes</u>	ttee have a Used Oil Recycling Program?
SW106170	Does the permittee have a street sweeping program? <u>Yes</u>	
SW106180	Does the permittee have a program to clean catch basins, storm lines, and ditches? <u>Yes</u>	
SW106190	Does the permi <u>Yes</u>	ttee review fertilizer and pesticide use programs?
		ublic Works staff that administer Pesticide/Herbicide's are licensed applicators with annual enewals
SW106200	Does the permi <u>Yes</u>	ttee have spill prevention plans at city facilities?
	Comments: S	M.A.R.T Spill Response Procedure
SW106210	City Facilities Ir	nspections

SW106220	Does the perm <u>No</u>	ittee inspect vehicle washing fueling, storage and maintenance areas?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106230	•	ittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, other chemicals)?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106240	Does the perm <u>No</u>	ittee inspect stormwater outfalls?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	<u>IDDE / Pollution Prevention / Good Housekeeping Program is under development. SWMF</u> will be updated during the next permit cycle.
SW106250	Does the perm <u>No</u>	ittee inspect culverts?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	IDDE / Pollution Prevention / Good Housekeeping Program is under development. SWMF will be updated during the next permit cycle.
SW106260	Does the perm <u>No</u>	ittee inspect swales/ditchs?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106270	Does the perm <u>No</u>	ittee inspect catch basins, inlets, and grates?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
SW106280	Does the perm <u>No</u>	ittee inspect MS4 pipes?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
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 perm <u>Yes</u>	ittee inspect parking lots?

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u>
	Comments: Parks are inspected for wash and sediment issues, a consultant performs SCM inspections and Maintenance
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. 0
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. 1
	Comments: Generated by IDDE Investigation, provided template for SWPPP for auto body establishments
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 managemer techniques. <u>0</u>
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. <u>2</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. 9 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. 5 Comments: All OPS staff - OSHA Training
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). 1 Comments: $\leq 1 \text{ ton}$
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. $\underline{0}$

The number of designated municipal vehicle washing areas.

0

Program Accomplishments

SW106970	Staff and Capital Improvement Projects
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. 615,000

Ordinance, Legal or Regulatory Authority

SW107050	Ordinance, Legal or Regulatory Authority
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: 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_2022	
County	Wake	Region: Raleigh	2022
Background Inform	nation		
SW100010	APPLICANT STATUS IN	FORMATION	
SW100020	Name of Public Entity Se <u>Town of Knightdale</u>	eking Permit Coverage	
SW100060	Jurisdictional Area (squar <u>6.19</u>	re miles)	
SW100070	Population Permanent <u>11401</u>		
		<u> Census. Estimated 16,753</u> <u>knightdalenc.gov/sites/default/files/uploads/qfds2019011519</u>	9.pdf
SW100080	Population Seasonal (if a <u>n/a</u>	vailable)	
SW100110	<u>RPE / MS4 SYSTEM INF</u>	ORMATION	
SW100120	Storm Sewer Service Are <u>6.19</u>	ea (square miles)	
SW100130	River Basin(s) <u>1 - Neuse</u>		
SW100150	Estimated percentage of	jurisdictional area containing the following four land us	se 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 <u>Yes</u>	y of storm water inlets, pipes, ditches, and open chanr	nels?
SW100220	Do you know how many o <u>Yes</u>	outfalls your city discharges to and where they are loc	ated?
SW100260	EXISTING LOCAL WAT	ER 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 th 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 lister 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 Estuary</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> Comments: <u>Nitrogen</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>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 Yes Comments: <u>https://files.nc.gov/ncdeq/Mitigation%20Services/Watershed Planning/Neuse River Basin/Neuse</u> 01 RWP/Neuse%2001%20RWP%20Fact%20Sheet%2020160.p9df <u>https://ncdenr.s3.amazonaws.com/s3fs-public/Mitigation%20Srevices/Watershed Planning/Neuse</u> <u>River Basin/Wake Johnston Collaborative/WJC%20LWP%20Preliminary%20Findings%20Rep</u> ort%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	CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)
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	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? <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 919-736-8769
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u>
SW100660	PERMITS AND CONSTRUCTION APPROVALS
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee Permit No. NCS000460 Issued 2/20/2017
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 Dustin Tripp

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" https://www.knightdalenc.gov/departments/engineering/stormwater-management
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? <u>Yes</u>

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? No Root Cause : Best Management Practice is inadequate Plan of Action: Frequency of BMP and implementation schedule not included in current SWMP, Will
	amend next permit cycle.
SW101710	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? <u>Yes</u>
SW101720	Does the Stormwater Management Program identify what target pollutant sources the permittee's publi education program is designed to address and why those sources are an issue? <u>Yes</u>
SW101730	Does the Stormwater Management Program describe the permittee'ls 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 involve in the storm water program? <u>Yes</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. Yes Comments: Clean Water Education Partnership (CWEP) is contracted to provide public education and Outreach and has developed educational materials
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</u> <u>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</u> <u>and general Stormwater information</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? No Root Cause : Best Management Practice is not established Plan of Action: No school programming was conducted in the 2021-2022 due to COVID-19. The town will resume these programs once restrictions are lifted.
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK and CWEP have websites where educational materials are presented. These alternative means will be relied upon

SW101960	Storm drain stenciling <u>No</u>
	— Root Cause : Funds for stormwater management related activities are not sufficient
	Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stenciling in</u> the future
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>No</u>
	Root Cause :Best Management Practice is not establishedPlan of Action:CWEP provides educational programming
SW101980	Workshops <u>No</u>
	Root Cause : Best Management Practice is not established
	Plan of Action: <u>No workshops were conducted in 2021-2022 due to restrictions associated with COVID-1</u> The town will resume these programs once these restrictions are lifted.
SW101990	Stream basin signage? <u>No</u>
	Root Cause : Funds for stormwater management related activities are not sufficient
	Plan of Action: <u>TOK is continuing to evaluate its Stormwater Program and may proceed with stream basi</u> signage in the future
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 progran staff? <u>Yes</u>
	Comments: https://www.knightdale.gov/departments/engineering/stormwater-management
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 progran staff? <u>Yes</u>
	Comments: https://www.knightdale.gov/departments/engineering/stormwater-management
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 2021-2022 due to restrictions associated with</u> the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted
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 2021-2022 due to restrictions associated with</u> the COVID-19 pandemic. TOK will resume distribution once these restrictions are lifted
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. <u>0</u>
	⊆ 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>

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: 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
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>444</u>
	Comments: 312 total interactions / 132 materials distributed during the two events
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</u> stormwater information.
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. 1 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>

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</u> <u>Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>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</u> <u>Broadcast CBC campaign, a CBC radio campaign, and a social media campaign. CWEP provided</u> <u>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 $\underline{0}$
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	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>Responsible persons are not identified for implementation in the SWMP, the SWMP will b</u> updated during the next permit cycle.	
SW102640	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? <u>No</u>	
	Root Cause : Best Management Practice is inadequate	
	Plan of Action: <u>The SWMP will be updated during the next permit cycle</u>	
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.	
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? <u>Yes</u>	
SW102670	Has the permittee provided for the means to involve the public in the development and implementation the permittee's storm water management program through:	
SW102680	Public Hearings, stakeholder meetings, or other meetings? <u>Yes</u>	
SW102690	A Stormwater Steering Committee (or similar advisory group)? <u>Yes</u>	
	Comments: <u>The TOK holds monthly planning and engineering committee that covers Stormwater related</u> <u>issues. A Stormwater Steering Committee was created, but disbanded due to lack of participation</u> <u>and events</u>	
SW102700	Stream clean-up events? <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</u> cleanups in the future.	
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program? <u>Yes</u>	
SW102720	Reforestation programs or wetland planting 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</u> <u>cleanups in the future.</u>	

SW102730	A stormwater hotline? <u>Yes</u> Comments: <u>919-217-2257</u>
SW102740	Volunteer monitoring programs? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.
SW102750	Storm drain stenciling? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.
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? No Root Cause : Funds for stormwater management related activities are not sufficient Plan of Action: TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.
SW102790	Working with citizen volunteers willing to educate others about the program? No Root Cause : Best Management Practice is not established Plan of Action: TOK is continuing to evaluate the Stormwater Program and may proceed with stream cleanups in the future.
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	Illicit Discharge Detection and Elimination
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 : Best Management Practice is inadequate
	Plan of Action: Frequency of BMP and implementation schedule not included in current SWMP, will amend next permit cycle.
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?
	Yes
	Comments: Subcatchment mapping was completed in early 2022
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? 90
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 an 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: No Root Cause : Best Management Practice is not established Plan of Action: Non-Stormwater discharges will be evaluated in the next permit cycle
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 contributine 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 th 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>
00000000	Plan of Action: IDDE program supplement is still under development
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u>
	Comments: Stormwater Hotline is advertised online and on the the primary fleet vehicle used for SW response.
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system <u>Yes</u>
	Comments: Spreadsheet located on S drive, and CBI tracking database for field inspectors
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>Yes</u>
	Comments: Incident report forms are completed for every reported incident
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 th Health Department? <u>Not Applicable</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets ar 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</u> <u>follow up</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u> <u>Comments:</u> <u>Plan review by City of Raleigh to ensure delineation</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? No Root Cause : Best Management Practice is not established Plan of Action: IDDE Program still under development
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>

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Construction Site Stormwater Runoff Control

SW104190	Construction Site Stormwater Runoff Control
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) No Root Cause : Best Management Practice is not established Plan of Action: TOK received local delegation in early 2022 and worked with Wake County Environmenta services to conduct a transfer of all active projects in May 2022.
SW104210	If the permittee relies on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Contro 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 of more acres of land surface and those activities less than one acre that are part of a larger common pla of development.
SW104220	Does the permittee rely on rely on a locally delegated program to meet the minimum measure for priva development requirements? (If no, go to SW104300) <u>Yes</u>
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? <u>Yes</u>
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? <u>Yes</u>
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? <u>Yes</u>
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? <u>Yes</u>
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) <u>Yes</u> Comments: <u>Local delegation received in early 2022. Transition from Wake County Environmental Services</u> <u>completed in May of 2022.</u>
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? <u>Yes</u>
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, whic incorporate consideration of potential water quality impacts? <u>Yes</u>
SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee in 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 permitte 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 an 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 ϵ 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 Post-Construction Storm Water Management in New Development and Redevelopment 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? <u>Yes</u> SW104920 The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ pri 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? 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 Best Management Practice is not established Root Cause : Plan of Action: SWMP will be updated during next permit cycle SW105010 Do new development and redevelopment codes allow for the following: 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? <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, ensu 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</u> <u>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</u> sites were identified with 12 having completed repairs at this time
SW105290	The number of problems that were identified and remedied. <u>15</u>
	Comments: 15 deficient sites were identified with 12 having completed repairs at this time
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 redevelopmen 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 incorporate 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? Yes Comments: Neuse Regional Watershed Plan and Wake-Johnson Collaborative Local Watershed Plan
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 Bas 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 a ordinance (or similar regulatory mechanism) to ensure that the best management practices selected dc 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 mechanist 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? No Root Cause : Best Management Practice is not established Plan of Action: SWMP will be updated during the next permit cycle
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	Pollution Prevention/Good Housekeeping
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 : Best Management Practice is inadequate
	Plan of Action: <u>Pollution Prevention / Good Housekeeping Program is under development. SWMP will be</u> updated during the next permit cycle.
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: Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle.
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>

SW/105900		
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	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 : Best Management Practice is not established	
	Plan of Action: Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle	
SW106010	Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use? <u>No</u>	
	Root Cause : Best Management Practice is not established	
	Plan of Action: Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle	

SW106030		nwater Management Program describe maintenance activities, maintenance schedules, nspection procedures for controls to reduce floatables and other pollutants to the 34?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be
		updated during the next permit cycle
SW106050	of waste remov	nwater Management Program describe the permittee's procedures for the proper dispos ed from the permittee's MS4 and the permittee's municipal operations, including dredc ated sediments, floatables, and other debris?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle
SW106110	Industrial Activi	ties
SW106120		ee conduct annual review of the industrial activities with a Phase I NPDES stormwater and operated by the permittee?
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle
SW106130		ee review the Stormwater Pollution Prevention Plan, the timeliness of any monitoring d by the Phase I permit, and the results of inspections and subsequent follow-up actions
	Root Cause :	Best Management Practice is not established
	Plan of Action:	Pollution Prevention / Good Housekeeping Program is under development. SWMP will be updated during the next permit cycle
SW106160	Does the permi <u>Yes</u>	ttee have a Used Oil Recycling Program?
SW106170	Does the permi <u>Yes</u>	ttee have a street sweeping program?
SW106180	Does the permi <u>Yes</u>	ttee have a program to clean catch basins, storm lines, and ditches?
SW106190	Does the permi <u>Yes</u>	ttee review fertilizer and pesticide use programs?
		ublic Works staff that administer Pesticide/Herbicides are licensed applicators with annual enewals
SW106200	Does the permi <u>Yes</u>	ttee have spill prevention plans at city facilities?
	Comments: S	M.A.R.T Spill Response Procedure
SW106210	City Facilities Ir	nspections

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

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u>
	Comments: Parks are inspected for wash and sediment issues, a consultant performs SCM inspections and Maintenance
SW106330	The number of inspections conducted.
	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 managemer techniques. 0 0
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). 0 Comments: < 1 ton
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	Staff and Capital Improvement Projects
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. 615,000

Ordinance, Legal or Regulatory Authority

SW107050	Ordinance, Legal or Regulatory Authority
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: Not Applicable
SW107140	Other: Not Applicable

	OUESTION	
QUESTION_NUMBER	APPLICANT STATUS INFORMATION	ANSWER_TYPE Bold label
SW100010 SW100020	Name of Public Entity Seeking Permit Coverage	Town of Knightdale
SW100020 SW100060	Jurisdictional Area (square miles)	7.43
SW100060 SW100070	Population Permanent	19435
SW100070	Population Seasonal (if available)	n/a
SW100080 SW100110	RPE / MS4 SYSTEM INFORMATION	Bold label
SW100110	Storm Sewer Service Area (square miles)	7.8
SW100120	River Basin(s)	1-Neuse
SW100150	Estimated percentage of jurisdictional area containing the following four land use activities	Label
SW100150	Residential	25
SW100170	Commercial	5
SW100170	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	
SW100270	Information Sources will help you locate the information you need.	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 SW10033E	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. Receiving Stream Name	Label 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	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
SW100440 SW100450	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html	Label Label
	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html	
SW100450 SW100460 SW100470	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html	Label Label Label
SW100450 SW100460 SW100470 SW100480	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html303(d) List: http://h2o.enr.state.nc.us/mtu/download.html	Label Label Label Label
SW100450 SW100460 SW100470 SW100480 SW100490	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html303(d) List: http://h2o.enr.state.nc.us/mtu/download.htmlCO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)	Label Label Label Label Bold label
SW100450 SW100460 SW100470 SW100480 SW100490 SW100500	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html303(d) List: http://h2o.enr.state.nc.us/mtu/download.htmlCO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)Do you co-permit with a permitted Phase I entity?	Label Label Label Label Bold label No
SW100450 SW100460 SW100470 SW100480 SW100490 SW100500 SW100510	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html303(d) List: http://h2o.enr.state.nc.us/basinwide/index.htmlCO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)Do you co-permit with a permitted Phase I entity?If so, provide the name of that entity:	Label Label Label Bold label No n/a
SW100450 SW100460 SW100470 SW100480 SW100490 SW100500 SW100510 SW100550	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity	Label Label Label Bold label No n/a n/a
SW100450 SW100460 SW100470 SW100480 SW100490 SW100500 SW100510 SW100550 SW100560	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/biasinwide/index.html303(d) List: http://h2o.enr.state.nc.us/basinwide/index.htmlDo you co-permit with a permitted Phase I entity?If so, provide the name of that entity:Other EntityHave legal agreements been finalized between the co-permittees?	Label Label Label Bold label No n/a n/a n/a
SW100450 SW100460 SW100470 SW100480 SW100490 SW100500 SW100510 SW100550 SW100560 SW100560 SW100570	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htmStream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlWater Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.htmlBasinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html303(d) List: http://h2o.enr.state.nc.us/mtu/download.htmlCO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)Do you co-permit with a permitted Phase I entity?If so, provide the name of that entity:Other EntityHave legal agreements been finalized between the co-permittees?RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS	Label Label Label Label Bold label No n/a n/a n/a Bold label
SW100450 SW100460 SW100470 SW100480 SW100500 SW100510 SW100550 SW100560 SW100570 SW100580	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/mtu/download.html CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting) Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations?	Label Label Label Label Bold label No n/a n/a n/a Bold label No
SW100450 SW100460 SW100470 SW100480 SW100500 SW100510 SW100550 SW100560 SW100570 SW100590	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing	Label Label Label Bold label No n/a n/a n/a Bold label No n/a
SW100450 SW100460 SW100470 SW100480 SW100500 SW100510 SW100550 SW100560 SW100570 SW100590 SW100590 SW100590	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html Do you co-permit Viha permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing Name of Entity	Label Label Label Label Bold label No n/a n/a Bold label No n/a n/a
SW100450 SW100460 SW100470 SW100480 SW100500 SW100510 SW100550 SW100560 SW100570 SW100590 SW100600 SW100610	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/mu/download.html CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting) Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing Name of Entity Element they will implement	Label Label Label Label Bold label No n/a n/a Bold label No n/a n/a n/a n/a
SW100450 SW100460 SW100470 SW100480 SW100500 SW100510 SW100550 SW100560 SW100570 SW100590 SW100600 SW100610 SW100620	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/mu/download.html CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting) Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing Name of Entity Element they will implement Contact Person	Label Label Label Bold label No n/a n/a Bold label No n/a n/a n/a n/a n/a n/a n/a n/a n/a
SW100450 SW100460 SW100470 SW100470 SW100470 SW100470 SW100500 SW100500 SW100510 SW100550 SW100560 SW100570 SW100590 SW100600 SW100610 SW100630	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/mu/download.html CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting) Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing Name of Entity Element they will implement Contact Person Contact Address	Label Label Label Label Bold label No n/a n/a Bold label No n/a n/a n/a n/a n/a n/a n/a n/a
SW100450 SW100460 SW100470 SW100480 SW100500 SW100500 SW100510 SW100550 SW100560 SW100580 SW100590 SW100600 SW100610 SW100630 SW100640	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing Name of Entity Element they will implement Contact Person Contact Address Contact Telephone Number	Label Label Label Label Bold label No n/a n/a Bold label No n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a
SW100450 SW100460 SW100470 SW100470 SW100470 SW100470 SW100500 SW100500 SW100510 SW100550 SW100560 SW100570 SW100590 SW100600 SW100610 SW100630	River basin you are in: http://h2o.enr.state.nc.us/basinwide/whichbasin.htm Stream Index Numbers: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Water Quality Classifications: http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html Basinwide Water Quality Plans: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/basinwide/index.html 303(d) List: http://h2o.enr.state.nc.us/mu/download.html CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting) Do you co-permit with a permitted Phase I entity? If so, provide the name of that entity: Other Entity Have legal agreements been finalized between the co-permittees? RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS Do you intend that another entity perform one or more of your permit obligations? If yes, identify each entity and the element they will be implementing Name of Entity Element they will implement Contact Person Contact Address	Label Label Label Label Bold label No n/a n/a Bold label No n/a n/a n/a n/a n/a n/a n/a n/a

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SW101460 Pe Do Do SW101490 th SW101570 Co	ermitting Information	Label
Do SW101490 th SW101570 Co	-	
SW101490 th SW101570 Cc		Bold and underlined label
SW101570 Co	oes the Stormwater Management Program provide an organizational chart that shows where the responsible parties fit into	N
		Yes
	ontract Operations	Bold and underlined label
	oes the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application,	
Cc	onstruction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or	
SW101630 Sc	blid Waste Pickup, Recycling, Household Waste)?	No
SW101690 Pu	ublic Education and Outreach	Bold and underlined label
Dr	oes the Stormwater Management Program summarize what best management practices will be used, the frequency of the	
	MP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for	
		No
500101700		
	oes the Stormwater Management Program identify the target audiences likely to have significant storm water impacts	
		N
		Yes
	oes the Stormwater Management Program identify what target pollutant sources the permittee's public education program is	
		Yes
	oes the Stormwater Management Program describe the permittee'ls outreach program (i.e., how the permittee plans to	
in	form individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans	
SW101730 to	o inform individuals and groups on how to become involved in the storm water program?	Yes
H;	as the permittee develop general stormwater educational material to appropriate target groups? Instead of developing its	
01	wn materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when	
	nplementing its own program.	Yes
	oes general stormwater educational material include information on the following topics:	Label
	ousehold Hazardous Waste	Yes
	et Waste	Yes
	eptic Systems	Yes
	awn and Gardening	Yes
	ehicle Washing	Yes
	rosion	Yes
SW101830 St	ream Buffers	Yes
SW101840 Flo	ooding	Yes
SW101850 Lit	tter	Yes
SW101860 Lis	st any additional topics not identified above.	n/a
	oes the permittee outreach program include:	Label
SW101880 Di	istributing printed educational material to general public through utility mail outs?	No
246 TO	Stributing printed educational material to general public tillough utility mall outs:	
•		N
	(1, 1)	Yes
	istributing printed educational material to general public through special events (i.e., Information booth at festivals and fairs)?	
SW101900 Di	istributing printed educational material to business / industry?	Yes No and NA
SW101900 Di SW101910 Pr	istributing printed educational material to business / industry? resentations to local community groups?	Yes
SW101900 Di SW101910 Pr	istributing printed educational material to business / industry? resentations to local community groups?	
SW101900 Di SW101910 Pr SW101920 St	istributing printed educational material to business / industry? resentations to local community groups?	Yes
SW101900 Di SW101910 Pr SW101920 St SW101930 La	istributing printed educational material to business / industry? resentations to local community groups? cormwater programs/presentations for elementary or middle schools?	Yes No
SW101900 Di SW101910 Pr SW101920 St SW101930 Lo SW101940 Pr	istributing printed educational material to business / industry? resentations to local community groups? cormwater programs/presentations for elementary or middle schools? cocal TV or radio spots?	Yes No Yes Yes
SW101900 Di SW101910 Pr SW101920 St SW101930 Lo SW101940 Pr SW101950 Pc	istributing printed educational material to business / industry? resentations to local community groups? cormwater programs/presentations for elementary or middle schools? cocal TV or radio spots? rint Media - Ads / Articles / Newsletters? costers?	Yes No Yes Yes Yes
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SW101900 Di SW101910 Pr SW101920 St SW101930 Lo SW101940 Pr SW101950 Pc SW101960 St	istributing printed educational material to business / industry? resentations to local community groups? cormwater programs/presentations for elementary or middle schools? cocal TV or radio spots? rint Media - Ads / Articles / Newsletters? costers? corm drain stenciling	Yes No Yes Yes Yes No
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SW101900 Di SW101910 Pr SW101920 St SW101930 Lo SW101940 Pr SW101950 Pc SW101960 St SW101970 Ot SW101980 W	istributing printed educational material to business / industry? resentations to local community groups? cormwater programs/presentations for elementary or middle schools? boal TV or radio spots? rint Media - Ads / Articles / Newsletters? costers? corm drain stenciling ther environmental education programs (i.e., Designate a "Keep SW Clean" month)? /orkshops	Yes No Yes Yes No Yes No
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SW101900 Di SW101910 Pr SW101920 St SW101930 Lo SW101940 Pr SW101950 Pc SW101960 St SW101970 Ot SW101980 W SW101990 St	istributing printed educational material to business / industry? resentations to local community groups? cormwater programs/presentations for elementary or middle schools? boal TV or radio spots? rint Media - Ads / Articles / Newsletters? costers? corm drain stenciling ther environmental education programs (i.e., Designate a "Keep SW Clean" month)? /orkshops	Yes No Yes Yes No Yes No
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SW102670 storm water management program through: Label SW102680 Public Hearings, stakeholder meetings, or other meetings? Yes
SW102680 Public Hearings, stakeholder meetings, or other meetings? Yes
SW102690 A Stormwater Steering Committee (or similar advisory group)?
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
SW102760Encourage neighborhood coordinators to become active in the program?YesSW102770Regional workshops?Yes
SW102770 Regional workshops? Yes

SW102840The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail programs.1The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons).1SW102850Surveys1SW102870The number of citizens solicited to complete surveys.0SW102880The number of completed surveys.0	
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SW102870 The number of citizens solicited to complete surveys. 0	
I ne number of completed surveys.	
SW102890HotlinesLabelSW102900The number of calls received by a hotline(s).0	
SW102900 The number of problems/incidents remedied as a result of hotline calls. 0	
SW102910 Internation of problems/includents remedied as a result of notime caus. D 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	
SW103050The number of stream cleanups.0SW103060The number of cleanup participants.0	
SW103060 The number of cleanup participants. SW103070 The quantity of waste collected as a result of cleanup efforts (in tons). 0	
SW103070 The quality of waste collected as a result of cleanup enorts (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).	
SW103120 The number of volunteer monitoring stations established in the watershed. 0	
SW103130 The number of volunteer monitoring training sessions held. 0	
SW103140The 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	
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	
SW103200 implementation?	
SW103210 Stormwater Map Label	
Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and	
SW103220 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	
SW103280Does stormwater infrastructure mapping include outfalls?YesSW103290Estimated or actual number of outfalls.478	
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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
	The permittee may also develop a list of other similar occasional, incidental non-storm water discharges that will not be	
SW103620	addressed as illicit discharges.	Label
	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	
SW103630	controls on frequency, proximity to sensitive waterbodies, BMPs).	Label
	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	
SW103640	the permittee's MS4?	Yes
300103040		
	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater	
SW102650	Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with	
SW103650	illegal discharges and improper disposal of waste?	No
	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit	
SW103700	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
	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material	
SW103730	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
500105750	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illicit discharge cross	
SW1027C0		Vec
SW103760	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
SW103950	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
SW104080 SW104090	Sanitary Sewer Overflows (SSO)	Label
SW104100	The number of overflows reported.	
SW104110	The number of overflow causes that were identified during inspections.	
SW104120	The number of sites repaired.	
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
511104150	Does the permittee rely on the NCDENR Division of Land Resources (DLR) Erosion and Sediment Control Program to comply	
SW104200		
SW104200	with this minimum measure for private development? (If no, go to SW104220)	Yes
	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	
1	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	
SW104210	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	
SW104220	requirements? (If no, go to SW104300)	Yes No and NA
	If the permittee relies on a local government to comply with this minimum measure, does the permittee conduct random	
SW104230		Yes No and NA
	If the permittee relies on a local government to comply with this minimum measure, does the permittee report sites that are	
SW104250	not in compliance with their sediment and erosion control permits to the local government?	Yes No and NA
011/10/10/0	If the permittee relies on a local government to comply with this minimum measure, does the permittee report unresolved	
SW104260	concerns to the local government? If the permittee relies on a local government to comply with this minimum measure, does the permittee maintain a record of	Yes No and NA
SW104270		Yes No and NA
	Does the permittee have a delegated program to meet the requirements of an Erosion and Sediment Control Program for	
SW104300	private development? (If no go to SW104450)	Yes No and NA
	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the	
SW104210	BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for	
SW104310	implementation?	Yes No and NA
	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee	
SW104320	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
51114340	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-	
SW104350	construction site plans reviewed.	Label
	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	
SW104360	compliance?	Yes
	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	
SW104370	permit denials for non-compliance.	Label
	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of	
SW104380	control measures, including how the permittee will prioritize sites for inspection?	Yes
	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control	
SW104430		Yes
	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	
SW104440		Yes
	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and	
SW104450	sedimentation problems?	Yes
	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	
SW104460	implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.	Label
SW104400	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 SW104520	The number of certified contractors by permittee. Inspection and Enforcement	0 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
SW/104000	Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP,	Vac
SW104900	the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory	Yes
	mechanism to implement and enforce a program to address post construction runoff from new development and	
SW104910	redevelopment projects?	Yes
	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	
SW104920	demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.	Label
544104920	Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance	
SW104930		Yes
	Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and	
l.	another party, such as the post-development landowners or regional authorities.	Yes
SW104940		
	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the	
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable?	No
SW105000 SW105010	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? Do new development and redevelopment codes allow for the following:	Label
SW105000 SW105010 SW105020	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? Do new development and redevelopment codes allow for the following: Bioretention basins?	Label Yes
SW105000 SW105010	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? Do new development and redevelopment codes allow for the following:	Label
SW105000 SW105010 SW105020 SW105030	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? Do new development and redevelopment codes allow for the following: Bioretention basins? Alternative pavers? Buffer zones? Dry ponds?	Label Yes Yes
SW105000 SW105010 SW105020 SW105030 SW105040	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? Do new development and redevelopment codes allow for the following: Bioretention basins? Alternative pavers? Buffer zones?	Label Yes Yes Yes

SW105080	Grass swales?	Yes
SW105090	Grassed filter strips?	Yes
SW105100	Green parking lots?	Yes
SW105110	In-line storage systems?	Yes
190 21 BC 20110-02359-0097 30-02451-02369	Infiltration basins?	
SW105120		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
300103210		
	Does the Stormwater Management Program, in coordination with the County Health Department, ensure proper operation and	
SW105220		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
SHE HE BUILDING CONTRACTORS (TAULISTICS)		
SW105550	Evaluation of Post-construction Stormwater Management Program Measures	Label
	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	
SW105560	provided by the following model practices:	Label
	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a	
SW105570	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
	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	
SW105620	120 hours;	Label
	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids;	
SW105630		Label
	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in	
SW105640		Label
3W103040		
	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	
SW105650	plans?	Yes
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters?	Yes
	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection	
SW105670	plan to meet part, or all, of the requirements for post-construction stormwater management?	Yes
	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	
SW105680		Label
	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	
SW105690		Label
	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	
		Not Applicable
SW105700		Not Applicable
SW105710		Label
	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the	
SW105720	best management practices for reducing nutrient loading is selected?	Yes
	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the	
SW105730		No
	In areas where the Environmental Management Commission has approved a Nutriant Sonsitive Water Urban Stormuster	
	In areas where the Environmental Management Commission has approved a Nutrient Sensitive Water Urban Stormwater	l - t-t
SW105740		Label
SW105750	Pollution Prevention/Good Housekeeping	Bold label
	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	
SW105760		No
	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and	
SW105770	Does the Stormwater Management Program list the permittee's municipal operations that are impacted by this operation and maintenance program?	No

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SW106260Does the permittee inspect Swales/ditchs?YesSW106270Does the permittee inspect Catch basins, inlets, and grates?YesSW106200Does the permittee inspect Salpes?YesSW106200Does the permittee inspect salpes?NASW106300Does the permittee inspect animal shelters and pounds?NASW106300Does the permittee inspect animal shelters and pounds?YesSW106300Does the permittee inspect animal shelters and pounds?YesSW106300The number of inspections conducted.4SW106400Automobile MaintenanceLabelSW106410The number of employees trained in preventing pollution from automobile maintenance activities.16SW106420The number of sites rewarded as being a "clean site" under a rewards program.0SW106420The number of educational materials distributed at garages, auto shops, and other automobile-related businesses.0SW106420The number of storage facilities equipped to store hazardous materials.3SW106450The number of restorage and in hazardous material storage and maintenance.8SW106450The number of educational material storage and maintenance.8SW106450The number of educational materials dist	SW106240	Does the permittee inspect stormwater outfalls?	Yes
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SW106560 Landscape and Lawn Care, and Pest Control Label	SW106540		0
	SW106550		0
SW106570 The number of stores/gardens participating in education programs. 0	March Marchaeler Marchaeler	Landscape and Lawn Care, and Best Centrel	Label
	SW106560		

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).	
SW100720	The quantity of alternative products used (in tons).	
SW106750	Spill Response and Prevention	Label
SW106810	The number of leak detection devices installed at municipal facilities.	
300100810		
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	
SW107000	reporting year.	1,687,458
SW107010	The number of Capital Improvement Projects planned.	3
SW107020	The number of Capital Improvement Projects active.	
SW107020	The number of Capital Improvement Projects completed.	
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
SW107080 SW107070	Erosion & Sediment Control	Adopted
SW107070 SW107080	Post-Development Stormwater Management	Adopted
SW107080 SW107090	Stormwater Ordinance	Adopted
SW107090 SW107100	Unified Development Ordinance	
		Adopted
SW107110	Flood Damage Protection Ordinance	Adopted
SW107120	Other:	Not Applicable
SW107130	Other:	Not Applicable
SW107140	Other:	Not Applicable