



**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 : NCS000444

# City of Lowell

Permit Number: NCS000444

Report Number: NCS000444\_2021

County: Gaston

Region: Mooresville

**2021**

## **Background Information**

SW100010

### **APPLICANT STATUS INFORMATION**

SW100020

Name of Public Entity Seeking Permit Coverage

City of Lowell

SW100060

Jurisdictional Area (square miles)

2.7

SW100070

Population Permanent

3654

SW100080

Population Seasonal (if available)

SW100110

### **RPE / MS4 SYSTEM INFORMATION**

SW100120

Storm Sewer Service Area (square miles)

2.7

SW100130

River Basin(s)

Catawba River Basin

Comments: South Fork

SW100150

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

SW100160

Residential

75

SW100170

Commercial

10

SW100180

Industrial

5

SW100190

Open Space

10

SW100210

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

Yes

SW100220

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

Yes

SW100260

### **EXISTING LOCAL WATER QUALITY PROGRAMS**

SW100270	"Complete a table below for each river basin within the MS4 service area. The web sites and resource contacts listed below under Information Sources will help you locate the information you need. Storm water programs should be designed to address the specific needs of the community and water resources they are intended to protect. If you haven't done so already, collect information on your city's receiving waters and what pollutants and sources are impacting those waters. You should also know 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 list below under Information Sources will help you locate the information you need. "
SW100280	River Basin
SW100283	Program 1
SW100290	Receiving Stream Name <u>South Fork River Catawba River</u>
SW100300	Stream Segment <u>11-129-(15.5)</u>
SW100310	Water Quality Classification <u>WS-V</u>
SW100320	Use Support Rating
SW100325	TMDL <u>Yes</u> Comments: <u>Lake Wylie TMDL Nutrient Management which has no approved WLA for Stormwater. Statewide Mercury TMDL which has no approved WLA for Stormwater.</u>
SW100331	Program 2
SW100332	Receiving Stream Name <u>Duharts Creek</u> Comments: <u>From source to South Fork Catawba River</u>
SW100333	Stream Segment <u>11-129-19</u>
SW100334	Water Quality Classification <u>WS-V</u>
SW100335	Use Support Rating
SW100336	TMDL
SW100337	Program 3
SW100338	Receiving Stream Name <u>NA</u>
SW100339	Stream Segment <u>NA</u>

SW10033A	Water Quality Classification <u>NA</u>
SW10033B	Use Support Rating
SW10033C	TMDL
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>NA</u>
SW10033F	Stream Segment <u>NA</u>
SW10033G	Water Quality Classification <u>NA</u>
SW10033H	Use Support Rating
SW10033I	TMDL
SW100340	Local Nutrient Sensitive Waters Strategy <u>No</u>
SW100350	Local Water Supply Watershed Program <u>Yes</u>
SW100360	Delegated Erosion and Sediment Control Program <u>Yes</u> Comments: <u>Gaston County Erosion and Sediment Control Program</u>
SW100370	CAMA Land Use Plan <u>No</u>
SW100440	River basin you are in: <a href="http://h2o.enr.state.nc.us/basinwide/whichbasin.htm">http://h2o.enr.state.nc.us/basinwide/whichbasin.htm</a>
SW100450	Stream Index Numbers: <a href="http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html">http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html</a>
SW100460	Water Quality Classifications: <a href="http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html">http://h2o.enr.state.nc.us/bims/Reports/reportsWB.html</a>
SW100470	Basinwide Water Quality Plans: <a href="http://h2o.enr.state.nc.us/basinwide/index.html">http://h2o.enr.state.nc.us/basinwide/index.html</a>
SW100480	303(d) List: <a href="http://h2o.enr.state.nc.us/mtu/download.html">http://h2o.enr.state.nc.us/mtu/download.html</a>
SW100490	<b><u>CO-PERMIT APPLICATION STATUS INFORMATION (Complete this section only if co-permitting)</u></b>

SW100500	Do you co-permit with a permitted Phase I entity? <u>No</u>
SW100510	If so, provide the name of that entity: <u>NA</u>
SW100550	Other Entity <u>NA</u>
SW100560	Have legal agreements been finalized between the co-permittees? <u>No</u>
SW100570	<b><u>RELIANCE ON ANOTHER ENTITY TO SATISFY ONE OR MORE OF YOUR PERMIT OBLIGATIONS</u></b>
SW100580	Do you intend that another entity perform one or more of your permit obligations? <u>Yes</u> Comments: <u>Gaston County Natural Resources</u>
SW100590	If yes, identify each entity and the element they will be implementing
SW100600	Name of Entity <u>Gaston County Natural Resources</u>
SW100610	Element they will implement <u>Construction Site Runoff, Phase 2 Post Construction</u>
SW100620	Contact Person <u>Joseph Alm</u>
SW100630	Contact Address <u>1303 Dallas-Cherryville Hwy</u>
SW100640	Contact Telephone Number <u>704-922-4181</u>
SW100650	Are legal agreements in place to establish responsibilities? <u>Yes</u> Comments: <u>Inter-Local Agreements</u>
SW100660	<b><u>PERMITS AND CONSTRUCTION APPROVALS</u></b>
SW100700	State or NPDES Stormwater Permit Number (s) issued to the permittee <u>NCS000444</u>
SW100920	<b><u>MS4 CONTACT INFORMATION</u></b>
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>Alex Blackburn</u>

SW100950	Title <u>Planning Director/Stormwater Director</u>
SW100960	Street Address <u>101 W. First Street</u>
SW100970	PO Box <u>NA</u>
SW100980	City <u>Lowell</u>
SW100990	State <u>NC</u>
SW101000	Zip <u>28098</u>
SW101010	Telephone <u>704-824-3518</u>
SW101020	Fax <u>NA</u>
SW101030	E-Mail <u>ablackburn@lowellinc.com</u>
SW101040	"Permittee's Website" <u><a href="http://lowellinc.com/248/Stormwater-Management">http://lowellinc.com/248/Stormwater-Management</a></u>
SW101050	<b><u>BMPs</u></b>
SW101060	Do you plan to add any new BMPs? <u>No</u>
SW101070	Do you plan to amend any existing BMPs? <u>No</u>
SW101080	If yes, please provide a BMP description, measurable goal, and implementation schedule for each new or amended BMP. If further space is needed, attach additional sheets.

**Information specifically regarding the permit**

SW101460                      Permitting Information

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



**Co-Permitting Information**

SW101570 Contract Operations

SW101630 Does the Stormwater Management Program identify contract operations (i.e., Transit Authorities, Pesticide Application, Construction Projects, Street Washing, Maintenance of right-a-ways, GIS Mapping, Monitoring, Stream Restorations, Litter or Solid Waste Pickup, Recycling, Household Waste)  
Yes

## **Public Education and Outreach**

SW101690	Public Education and Outreach
SW101700	Does the Stormwater Management Program summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW101710	Does the Stormwater Management Program identify the target audiences likely to have significant storm water impacts (including commercial, industrial and institutional entities) and why those target audiences were selected? <u>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's outreach program (i.e., how the permittee plans to inform individuals and households about the steps they can take to reduce storm water pollution and how the permittee plans to inform individuals and groups on how to become involved in the storm water program)? <u>Yes</u>
SW101750	Has the permittee developed general stormwater educational material to appropriate target groups? Instead of developing its own materials, the permittee may rely on state-supplied Public Education and Outreach materials, as available, when implementing its own program. <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>Not Applicable</u> Comments: <u>Coordinated through Gaston County Environmental Health</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>Vehicle Maintenance, Illicit Discharges and Connections, Fertilizer and Pesticides</u>
SW101870	Does the permitteenuulls outreach program include:
SW101880	Distributing printed educational material to general public through utility mail outs? <u>Yes</u>
SW101890	Distributing printed educational material to general public through special events (i.e., Information boot at festivals and fairs)? <u>Yes</u> Comments: <u>Freedom Festival cancelled (COVID-19), attended RiverFest 2021 and handed out brochures and coloring pages.</u>
SW101900	Distributing printed educational material to business / industry? <u>Yes</u>
SW101910	Presentations to local community groups? <u>Yes</u>
SW101920	Stormwater programs/presentations for elementary or middle schools? <u>Yes</u>
SW101930	Local TV or radio spots? <u>Yes</u>
SW101940	Print Media - Ads / Articles / Newsletters? <u>Yes</u>
SW101950	Posters? <u>Yes</u>
SW101960	Storm drain stenciling <u>Yes</u>
SW101970	Other environmental education programs (i.e., Designate a "Keep SW Clean" month)? <u>Yes</u>
SW101980	Workshops <u>Yes</u>
SW101990	Stream basin signage? <u>Yes</u>
SW102000	Has the permittee developed an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u>

SW102020	Does the permittee maintain an internet web site for newsletter articles on stormwater, information on water quality, stormwater projects and activities, and ways to contact stormwater management program staff? <u>Yes</u>
SW102060	Classroom Outreach
SW102070	The number of educational materials distributed to schools. <u>Unknown</u>
SW102080	The number of schools that participate in municipal-sponsored storm water workshops or activities. <u>1</u>
SW102090	The number of students that participate in municipal-sponsored storm water workshops or activities. <u>unknown</u>
SW102100	The number of workshops held for teachers. <u>unknown</u>
SW102110	The number of certificates or other rewards given out to schools, classes, or students participating in storm water education. <u>unknown</u>
SW102120	The number of students receiving storm water education as a regular part of the school curriculum. <u>unknown</u>
SW102130	Displays, Signs, Presentations, Welcome Packets, and Pamphlets
SW102150	The number of stormwater related displays at special events or meetings. <u>4</u>
SW102160	The number of people at events who saw the display or took a pamphlet/booklet. <u>153</u>
SW102170	Number of new homeowner welcome packets containing storm-water-related information. <u>unknown</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>3</u>
SW102200	Commercial Outreach
SW102210	The number of educational materials that were distributed to business owners and operators. <u>119</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>0</u>
SW102330	The number of dog-walking designated areas in parks. <u>0</u>
SW102340	The number of posters/brochures put up in pet supply stores. <u>0</u>
SW102350	The number of educational materials given out to pet owners. <u>0</u> Comments: <u>In development for this permit year.</u>
SW102360	Promotional Giveaways
SW102370	The number of items given out. <u>70</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>1</u>
SW102400	Proper Disposal of Household Hazardous Waste
SW102410	The number of household hazardous waste curbside pickup days. <u>0</u>
SW102420	The number of educational materials distributed to homeowners. <u>1543</u>
SW102430	The number of partnerships established with businesses. <u>0</u>
SW102440	Outreach Programs to Minority and Disadvantaged
SW102450	The number of brochures/posters created in non-English languages. <u>1</u>
SW102460	The number of educational materials distributed in non-English languages. <u>0</u>
SW102470	The number of partnerships established with minority organizations. <u>0</u>
SW102480	The number of educational materials distributed to low-income neighborhoods. <u>unknown</u> Comments: <u>Material sent to all properties in City Limits.</u>
SW102490	Attendance at workshops or public meetings held in low-income or minority neighborhoods. <u>0</u>

SW102540	Using the Media
SW102550	The number of public service announcements made on radio and TV. <u>unknown</u> Comments: <u>Have not obtained feedback from partnership.</u>
SW102560	The number of stormwater related press releases/advertising. <u>3</u>
SW102570	The number of stormwater related articles published. <u>5</u>
SW102580	Water Conservation for Home Owners
SW102590	The number of partnerships established with local water utilities. <u>1</u>
SW102600	The number of water conservation or stormwater related utility inserts that are distributed with utility bill <u>1662</u>
SW102610	A survey of homeowners about their water conservation behavior before and after the message is delivered. <u>0</u>

## **Public Involvement and Participation**

SW102620	Public Involvement and Participation
SW102630	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 permitteenu 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 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>
SW102700	Stream clean-up events? <u>Yes</u> Comments: <u>Lowell River Sweep</u>
SW102710	Adopt-a-stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program? <u>Not Applicable</u> Comments: <u>Lowell Street Clean, volunteers clean road side areas around the City.</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>A tree planting activity was established this spring (2021) through committee direction.</u>
SW102730	A stormwater hotline? <u>Yes</u>
SW102740	Volunteer monitoring programs? <u>No</u> Root Cause : <u>Best Management Practice is not established</u> Plan of Action: <u>Partner with Catawba RiverKeeper.</u>

SW102750	Storm drain stenciling? <u>Yes</u>
SW102760	Encourage neighborhood coordinators to become active in the program? <u>Yes</u>
SW102770	Regional workshops? <u>Yes</u>
SW102780	Telephone/Web/Mall surveys? <u>Yes</u>
SW102790	Working with citizen volunteers willing to educate others about the program? <u>Yes</u>
SW102830	Adopt-A-Stream Program
SW102840	The number of participants in Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail program <u>12</u> Comments: <u>Lowell Roadside Clean Up event, 4-17-2021</u>
SW102850	The quantity of trash and debris removed by Adopt-A-Stream, Adopt-a-drain, Adopt-a-highway or Adopt-a-trail volunteers (in tons). <u>0.5</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>37</u>
SW102910	The number of problems/incidents remedied as a result of hotline calls. <u>9</u> Comments: <u>Majority of calls are property owner issues not affiliated with City.</u>
SW102920	Reforestation Programs
SW102930	The number of volunteer tree planters. <u>unknown</u>
SW102940	The number of trees planted. <u>unknown</u>
SW102950	The number of acres planted with trees. <u>unknown</u>



SW102960	Public Hearings, stakeholder meetings, or other meetings
SW102970	The number of meetings held. <u>4</u>
SW102980	The number of attendees. <u>24</u>
SW102990	The number of actions taken as a result of stakeholder meetings. <u>1</u> Comments: <u>Adoption of Stormwater Utility Fund/Policy. June 8, 2021.</u>
SW103000	Storm Drain Stenciling
SW103010	The percent of drains stenciled. <u>5</u>
SW103020	The number of stenciling volunteers. <u>2</u>
SW103030	The number of drains stenciled. <u>12</u>
SW103040	Stream Cleanup
SW103050	The number of stream cleanups. <u>1</u>
SW103060	The number of cleanup participants. <u>15</u>
SW103070	The quantity of waste collected as a result of cleanup efforts (in tons). <u>0.25</u>
SW103080	The number of stream miles cleaned. <u>0.5</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.

0

SW103150 Wetland Plantings

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

## **Illicit Discharge Detection and Elimination**

SW103190	<b><u>Illicit Discharge Detection and Elimination</u></b>
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>Yes</u>
SW103210	Stormwater Map
SW103220	Has the permittee will developed or the in the process of developing a storm sewer map showing the location of all outfalls and the names and location of all receiving waters? <u>Yes</u>
SW103260	Does stormwater mapping include drainage areas? <u>Yes</u>
SW103270	Does stormwater mapping include receiving streams? <u>Yes</u>
SW103280	Does stormwater infrastructure mapping include outfalls? <u>Yes</u>
SW103290	Estimated or actual number of outfalls. <u>5</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>4</u>
SW103330	Percent of outfall mapping complete. <u>0</u>
SW103340	Does the Stormwater Management Program describe the mechanism (ordinance or other regulatory mechanism) the permittee will use to effectively prohibit illicit discharges into the MS4 and why the permittee chose that mechanism? <u>Yes</u>
SW103350	Does the Stormwater Management Program describe the permittee's plan to ensure appropriate enforcement procedures and actions such that the permittee's illicit discharge ordinance (or other regulatory mechanism) is implemented? <u>Yes</u>
SW103360	Does the Stormwater Management Program describe the permittee's plan to detect and address illicit discharges to the permittee's system, including discharges from illegal dumping and spills? <u>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: <u>Yes</u>
SW103430	landscape irrigation;
SW103440	water line flushing;
SW103450	diverted stream flows;
SW103460	uncontaminated groundwater infiltration;
SW103470	discharges from potable water sources;
SW103480	air conditioning condensate (commercial/residential);
SW103490	springs;
SW103500	footing drains;
SW103510	residential and charity car washing;
SW103520	dechlorinated swimming pool discharges;
SW103530	rising groundwaters;
SW103540	uncontaminated pumped groundwater;
SW103550	foundation drains;
SW103560	irrigation waters (does not include reclaimed water as described in 15A NCAC 2H .0200);
SW103570	water from crawl space pumps;
SW103580	lawn watering;
SW103590	flows from riparian habitats and wetlands;
SW103600	street wash water;
SW103610	flows from emergency fire fighting.
SW103620	The permittee may also develop a list of other similar occasional, incidental non-storm water discharge that will not be addressed as illicit discharges.

SW103630	These non-storm water discharges must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either the nature of the discharges or conditions the permittee has established for allowing these discharges to the permittee's MS4 (e.g., activity with appropriate controls on frequency, proximity to sensitive waterbodies, BMPs).
SW103640	Does the Stormwater Management Program document local controls or conditions placed on discharge and a provision prohibiting any individual non-storm water discharge that is determined to be contributing significant amounts of pollutants to the permittee's MS4? <u>Yes</u>
SW103650	In addition to conducting training for selected staff on detecting and reporting illicit discharges," does the Stormwater Management Program describe how the permittee plans to inform businesses and the general public of hazards associated with illegal discharges and improper disposal of waste? <u>Yes</u>
SW103700	Does the Stormwater Management Program establish and publicize a reporting mechanism for the public to report illicit discharges? <u>Yes</u>
SW103710	Does the Stormwater Management Program establish an illicit discharge management tracking system? <u>Yes</u>
SW103720	Does the Stormwater Management Program establish a stormwater incident response program? <u>Yes</u>
SW103730	Does the Stormwater Management Program provide for an illicit discharge brochure, poster or other educational material development and distribution? <u>Yes</u>
SW103740	Does the Stormwater Management Program provide for a septic system program in conjunction with the Health Department? <u>Yes</u>
SW103750	Does the Stormwater Management Program provide street sweeping, inspecting and cleaning inlets and outfalls? <u>Yes</u>
SW103760	Does the Stormwater Management Program establish procedures to coordinate efforts to eliminate illicit discharge cross connections between sanitary and storm sewers? <u>Yes</u>
SW103770	Does the Stormwater Management Program establish procedures to maintain the sanitary sewer system? <u>Yes</u>
SW103780	Does the Stormwater Management Program establish a Household Waste Recycling Program? <u>Yes</u>
SW103850	Identifying Illicit Connections
SW103860	The number of sites prioritized for inspection. <u>2</u>
SW103870	The number of illicit connections reported by citizens. <u>0</u>

SW103880	The number of illicit connections found. <u>1</u>
SW103890	The number of illicit connections repaired/replaced. <u>1</u>
SW103900	The number of illicit connection referrals. <u>1</u>
SW103910	Illegal Dumping
SW103930	The number of illegal dumps reported by citizens. <u>1</u>
SW103940	The number of penalties enforced upon the participants of illegal dumps. <u>0</u> Comments: <u>No evidence of illegal dumping.</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>1</u>
SW104020	The number of illicit connections repaired/replaced. <u>1</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>2</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>4</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	<b><u>Construction Site Stormwater Runoff Control</u></b>
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>Yes</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 a locally delegated program to meet the minimum measure for private 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>
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, which incorporate consideration of potential water quality impacts? <u>Yes</u>



SW104350	The Stormwater Management Program must describe procedures and the rationale for how permittee will identify certain sites for site plan review, if not all plans are reviewed and describe the estimated number and percentage of sites that will have pre-construction site plans reviewed.
SW104360	Does the Stormwater Management Program describe the permittee's plan to ensure compliance with the permittee's erosion and sediment control regulatory mechanism, including the sanctions and enforcement mechanisms permittee will use to ensure compliance? <u>Yes</u>
SW104370	The Stormwater Management Program must describe the permittee's procedures for when the permittee will use certain sanctions. Possible sanctions include non-monetary penalties (such as stop work orders), fines, bonding requirements, and/or permit denials for non-compliance.
SW104380	Does the Stormwater Management Program describe the permittee's procedures for site inspection and enforcement of control measures, including how the permittee will prioritize sites for inspection? <u>Yes</u>
SW104430	Does the Stormwater Management Program require construction site operators to implement erosion and sediment control BMPs and to control construction site wastes that may cause adverse water quality impacts? <u>Yes</u>
SW104440	Does the Stormwater Management Program require construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality? <u>Yes</u>
SW104450	Does the permittee provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems? <u>Yes</u>
SW104460	Consider coordinating this requirement with the permittee's public education program. Publicize the procedures and contact information. The procedures must lead directly to a site inspection or other timely follow-up action. The permittee may implement a plan promoting the existence of the NCDENR, Division of Land Resources "Stop Mud" hotline to meet the requirements of this paragraph.
SW104470	Staff Training and Certification
SW104480	The number of training and certification programs offered to staff. <u>0</u>
SW104490	The number of trained staff inspectors. <u>0</u>
SW104500	The number of certified staff inspectors. <u>0</u>
SW104510	The number of certified contractors by permittee. <u>0</u>
SW104520	Inspection and Enforcement
SW104530	The number of plans reviewed greater than one acre. <u>4</u>

SW104590

The number of enforcement actions or NOVs taken.

0

## **Post-Construction Storm Water Management in New Development and Redevelopment**

SW104890	<b><u>Post-Construction Storm Water Management in New Development and Redevelopment</u></b>
SW104900	Does the Stormwater Management Plan summarize what best management practices will be used, the frequency of the BMP, the measurable goals for each BMP, the implementation schedule, and the responsible person or position for implementation? <u>Yes</u>
SW104910	Does the Stormwater Management Program describe how the permittee will develop an ordinance or other regulatory mechanism to implement and enforce a program to address post construction runoff from new development and redevelopment projects? <u>Yes</u>
SW104920	The permittee's ordinances, and subsequent modifications, will be reviewed and approved by DWQ prior to implementation. The approval process will establish subsequent timeframes when DWQ will review performance under the ordinance(s). The reviews will occur, at a minimum, every five years. Regulate public entities without ordinance making powers must demonstrate similar actions taken in their post construction stormwater management program to meet the minimum measure requirements.
SW104930	Does the Stormwater Management Program describe how the permittee will ensure the long-term operation and maintenance (O&M) of BMPs? <u>Yes</u>
SW104940	Options to help ensure that future O&M responsibilities are clearly identified include an agreement between the permittee and another party, such as the post-development landowners or regional authorities. <u>Yes</u>
SW105000	Does the Stormwater Management Program explain how the permittee will control the sources of fecal coliform to the maximum extent practicable? <u>Yes</u>
SW105010	Do new development and redevelopment codes allow for the following:
SW105020	Bioretention basins? <u>Not Applicable</u>
SW105030	Alternative pavers? <u>Not Applicable</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>Not Applicable</u>
SW105110	In-line storage systems? <u>Not Applicable</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>Not Applicable</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>Yes</u>
SW105230	Does the Stormwater Management Program provide training for staff and developers/builders? <u>Not Applicable</u>
SW105260	BMP Inspection and maintenance
SW105270	Are annual inspection reports required of permitted structural BMPs performed by a qualified professional? <u>Yes</u>

SW105280	The number of BMP inspections and/or maintenance activities. <u>5</u>
SW105290	The number of problems that were identified and remedied. <u>1</u>
SW105300	New Development and Redevelopment BMP Summary
SW105310	The number of development/redevelopment projects regulated for post-construction stormwater control <u>unknown</u>
SW105550	Evaluation of Post-construction Stormwater Management Program Measures
SW105560	Model Practices: For those areas within the jurisdictional area of the permittee that are not subject to the post-construction stormwater management provisions of another existing state stormwater management program, does the permittee's Post-construction Stormwater Management Program equal or exceed the stormwater management and water quality protection provided by the following model practices:
SW105570	Does the permittee issue local stormwater management permits to new development or redevelopment projects as either a low density project or a high density project? <u>Yes</u>
SW105580	Do projects permitted as a low density projects meet the following criteria: <u>Yes</u>
SW105590	No more than two dwelling units per acre or 24% built-upon area; and,
SW105600	Use of vegetated conveyances to the maximum extent practicable?
SW105610	Are projects permitted as high density projects meet the following requirements: <u>Yes</u>
SW105620	The stormwater control measures control and treat the difference between the pre-development and post-development conditions for the 1-year 24-hour storm. Runoff volume draw-down time must be a minimum of 24 hours, but not more than 120 hours;
SW105630	All structural stormwater treatment systems are designed to achieve 85% average annual removal of total suspended solids; and
SW105640	Stormwater management measures comply with the General Engineering Design Criteria For All Projects requirements listed in 15A NCAC 2H .1008(c);
SW105650	Are deed restrictions and/or protective covenants required by the locally issued permit and incorporated by the development to ensure that subsequent development activities maintain the development (or redevelopment) consistent with the approved plans? <u>Yes</u>
SW105660	Are all built-upon areas at least 30 feet landward of perennial and intermittent surface waters? <u>Yes</u>
SW105670	Watershed Protection Plans: Has the Permittee developed, adopted, and implemented a comprehensive watershed protection plan to meet part, or all, of the requirements for post-construction stormwater management? <u>Yes</u>

SW105680	Areas within the jurisdictional area of the permittee that are already subject to the existing state stormwater management programs are deemed compliant with the post-construction stormwater management model practices identified in (a). The programs are: the Water Supply Watershed protection programs for WS-I – WS-IV waters, the HQW and ORW waters management strategies, the Neuse River Basin Nutrient Sensitive Waters (NSW) Management Strategy, the Tar-Pamlico River Basin Nutrient NSW Strategy, and the Randleman Lake Water Supply Watershed program.
SW105690	A regulated entity may develop its own comprehensive watershed plan, use the model ordinance developed by the Commission, design its own post-construction practices based on the Division's guidance and engineering standards for best management practices, or incorporate the post-construction model practices to satisfy, in whole or in part, the requirements for post-construction stormwater management.
SW105700	Additional Requirements for Trout Waters: Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices selected do not result in a sustained increase in the receiving water temperature? <u>Not Applicable</u>
SW105710	Additional Requirements for Nutrient Sensitive Waters
SW105720	Has the permittee developed, adopted, and implemented an ordinance (or similar regulatory mechanism) to ensure that the best management practices for reducing nutrient loading is selected? <u>Not Applicable</u>
SW105730	Has the permittee developed and included a nutrient application (fertilizer and organic nutrients) management program in the Post-construction Stormwater Management Program? <u>Not Applicable</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	<b><u>Pollution Prevention/Good Housekeeping</u></b>
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>Yes</u>
SW105780	The permittee must also include a list of industrial facilities the permittee owns or operates that are subject to NPDES Stormwater General Permits or individual NPDES permits for discharges of storm water associated with industrial activity that ultimately discharge to the permittee's MS4, including the permit number and certificate of coverage number for each facility.
SW105790	Municipal Operations include:
SW105800	Transfer Station <u>No</u>
SW105810	Fleet Maintenance <u>No</u>
SW105820	Airport <u>No</u>
SW105830	Animal Shelters <u>No</u>
SW105840	Waste Water Treatment Plan <u>Yes</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>No</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>No</u>
SW105970	Vehicle Wash Operations <u>Yes</u>
SW105980	Pump Stations or Lift Stations <u>Yes</u>
SW105990	Other: <u>unknown at this time</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>Yes</u>
SW106010	Does the Stormwater Management Program describe any existing, available training materials the permittee plans to use? <u>Yes</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>Yes</u>
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 dredged spoil, accumulated sediments, floatables, and other debris? <u>Not Applicable</u>
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>Not Applicable</u>



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>Yes</u>
SW106160	Does the permittee have a Used Oil Recycling Program? <u>Not Applicable</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 permittee review fertilizer and pesticide use programs? <u>Yes</u>
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? <u>Yes</u>
SW106230	Does the permittee inspect material storage areas (i.e., storage areas for sand, salt, fertilizers, pesticides and other chemicals)? <u>Yes</u>
SW106240	Does the permittee inspect stormwater outfalls? <u>Yes</u>
SW106250	Does the permittee inspect culverts? <u>Yes</u>
SW106260	Does the permittee inspect swales/ditches? <u>Yes</u>
SW106270	Does the permittee inspect catch basins, inlets, and grates? <u>Yes</u>
SW106280	Does the permittee inspect MS4 pipes? <u>Yes</u>
SW106290	Does the permittee inspect solid and hazardous waste management facilities and recycling centers? <u>Not Applicable</u>
SW106300	Does the permittee inspect animal shelters and pounds? <u>Not Applicable</u>
SW106310	Does the permittee inspect parking lots? <u>Yes</u>

SW106320	Does the permittee inspect parks and open spaces? <u>Yes</u>
SW106330	The number of inspections conducted. <u>unknown</u>
SW106400	Automobile Maintenance
SW106410	The number of employees trained in preventing pollution from automobile maintenance activities. <u>11</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>5</u>
SW106450	Hazardous Materials Storage
SW106460	The total number of storage facilities equipped to store hazardous materials. <u>2</u>
SW106470	The number of regularly inspected storage units. <u>2</u>
SW106480	The number of employees trained in hazardous material storage and maintenance. <u>13</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>1</u>
SW106530	The number of dump sites and/or illegal sit-outs cleaned up. <u>0</u>
SW106540	The number of sites improved to eliminate as target dumping spots. <u>0</u>
SW106550	The number of enforcement actions pertaining to illegal dumping. <u>0</u>
SW106560	Landscape and Lawn Care, and Pest Control

SW106570	The number of stores/gardens participating in education programs. <u>0</u>
SW106580	The number of residents trained by the permittee in safe landscaping, lawn care, and pest manager techniques. <u>0</u>
SW106590	The number of classes/seminars offered by the permittee in landscaping and lawn care. <u>0</u>
SW106610	The number of municipal employees trained in integrated pest management. <u>2</u>
SW106620	Parking Lot and Street Cleaning
SW106630	The number of parking lots. <u>3</u>
SW106640	The number of scheduled parking lot and/or road cleanings. <u>weekly</u>
SW106650	Pet Waste
SW106660	The number of dog parks. <u>0</u>
SW106670	The number of "pooper-scooper" stations installed <u>0</u>
SW106680	The number of educational materials distributed. <u>1453</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>5</u>
SW106720	The quantity of salt applied to roadways (in tons). <u>8</u>
SW106730	The quantity of alternative products used (in tons). <u>24</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>
SW106830	The number of personnel trained in spill response. <u>11</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> Comments: <u>In process of development for permit year 2.</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>40</u>
SW106890	The amount of trash, sediment, and other pollutants removed during cleaning (in tons). <u>1</u>
SW106900	Used Oil Recycling
SW106910	The number of gallons of used oil collected from municipal operations. <u>85</u>
SW106920	The number of recycling facilities that collect oil from municipal operations. <u>1</u>
SW106930	The number of educational materials distributed to municipal employees. <u>0</u> Comments: <u>In process of development for permit year 2.</u>
SW106940	Vehicle Washing
SW106950	The number of educational materials distributed to municipal employees. <u>0</u> Comments: <u>In process of development for permit year 2.</u>
SW106960	The number of designated municipal vehicle washing areas. <u>2</u>

## **Program Accomplishments**

SW106970	<b><u>Staff and Capital Improvement Projects</u></b>
SW106980	The number of staffed stormwater management position(s). <u>2</u>
SW106990	The number of new stormwater management position(s) created or staffed for the reporting year. <u>0</u> Comments: <u>Projected for permit year 3</u>
SW107000	Total annual budget (excluding Capital Improvement Projects) for the NPDES stormwater management program for the reporting year. <u>\$109,047</u>
SW107010	The number of Capital Improvement Projects planned. <u>0</u>
SW107020	The number of Capital Improvement Projects active. <u>0</u>
SW107030	The number of Capital Improvement Projects completed. <u>0</u>
SW107040	Total annual budget for Capital Improvement Projects for the reporting year. <u>0</u> Comments: <u>Adoption of Stormwater Utility effective July 1, 2021.</u>

**Ordinance, Legal or Regulatory Authority**

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