



NORTH CAROLINA
Environmental Quality
April 19, 2022

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director

Mr. David Draughn, Town Administrator
Town of Longview
2404 1st Ave. SW
Hickory NC 28602

Subject: Compliance Evaluation Inspection
Permittee: Town of Longview Wastewater Collection System
Permit No. WQCS00310
Catawba County NC

Dear Mr. Draughn,

Mr. Tony Parker of the Mooresville Regional Office of the NC Division of Water Resources (DWR or the Division) conducted a compliance evaluation inspection (CEI) of the subject wastewater collection system (WWCS) on May 18, 2022. The assistance provided by Mr. Chris Eckard during this inspection is greatly appreciated. A copy of the inspection report is attached for your records and inspection findings are summarized below with action items.

Site/System Review

The following system components were inspected:

- a. Three pump station were inspected. No issues noted.
- b. Numerous manholes were inspected. Some issues noted. Please see attached report for details.
- c. Several outfall R/W's and 2 aerials were inspected. Some issues noted. Please see attached report for details.

As you are aware, owners of permitted collection systems must comply with their permit and all rules listed under NC Administrative Code 15A NCAC 02T .0400, et seq. The system's compliance status with each of these rules is summarized below:

- a. **15A NCAC 02T .0403(a)(1)**: Requires that the system be effectively maintained and operated at all times to prevent discharge to land or surface waters and any contravention of ground or surface water standards.

Observations: The system had no reportable SSO's for the review period.

Compliance Status: Compliant



North Carolina Department of Environmental Quality | Division of Water Resources
Mooresville Regional Office | 601 East Center Avenue, Suite 301 | Mooresville, NC 28115
704.663.1699

- b. **15A NCAC 02T .0403(a)(2):** Requires that a map of the wastewater collection system be developed and actively maintained.

Observations:

The Town uses detailed paper maps.

Compliance Status: Compliant

- c. **15A NCAC 02T .0403(a)(3):** Requires that an operation and maintenance (O&M) plan be developed and implemented, which includes inspection frequency, preventative maintenance schedule, and overflow response.

Observations Records were available for all activities.

Compliance Status: Compliant

- d. **15A NCAC 02T .0403(a)(4):** Requires that the permittee or its representative inspect pump stations that are **not connected** to a telemetry system (i.e., remote alarm system) every day (i.e., 365 days per year) and pump stations that are **connected** to a telemetry system at least once per week.

Observations: Pump station logs indicate that the pump stations are being inspected as required.

Compliance Status: Compliant

- e. **15A NCAC 02T .0403(a)(5):** Requires that the permittee or its representative inspect high-priority sewers (HPS - as defined in 15A NCAC 02T .0402(2)) at least once every six months and document the inspections.

Observations: All high priority lines were inspected and documented as required.

Compliance Status: Compliant

- f. **15A NCAC 02T .0403(a)(6):** Requires that the permittee or its representative conduct a general observation of the entire wastewater collection system at least once per year and document same.

Compliance Status: Compliant.

- g. **15A NCAC 02T .0403(a)(7):** Requires that overflows and bypasses from the system be reported to the Division's Mooresville Regional Office in accordance with 15A NCAC 02B .0506(a), and that public notice must be provided as required by G.S. 143-215.1C.



Observations: No SSO's have been reported with this system for this review period. The NC regulations and statutes, which cover the reporting requirements for SSOs, are found in NC Administrative Code 15A NCAC 02B .0506(a) and NC General Statute 143-215.1C, respectively. You may access the NC regulations online at the NC Office of Administrative Hearings (OAH) website at: <http://www.oah.state.nc.us/rules/> and the NC General Statutes online at the NC General Assembly's website at: <http://www.ncga.state.nc.us/gascripts/Statutes/StatutesTOC.pl>. You may wish to review them to ensure you are fully familiar with all requirements.

When reporting SSOs to DWQ, you must call the Mooresville Regional Office (MRO) at 704-663-1699 during normal business hours. If outside normal business hours, you must report the spill to the NC Division of Emergency Management at 1-800-858-0368. Please note that all reportable SSOs must be reported within 24 hours of the occurrence, or first knowledge, of the SSO. Please also note that voice mail or faxed messages are **not** considered as the initial verbal report. You **must** talk to and report the spill to a live person.

Compliance Status: Compliant

h. **15A NCAC 02T .0403(a)(8):** Requires that a grease control program be developed and implemented as follows:

1. For publicly owned collection systems, the Grease Control Program shall include at least bi-annual distribution of grease education materials to users.
2. Grease education materials shall be distributed more often than required above if necessary to prevent grease-related sanitary sewer overflows.

Observations: Educational info is provided as required.

Compliance Status: Compliant.

i. **15A NCAC 02T .0403(a)(9):** Requires that right-of-ways (ROW) and easements be maintained to allow for personnel and equipment accessibility.

Observations: One issue noted. Please see attached report for details

Compliance Status: Compliant.

j. **15A NCAC 02T .0403(a)(10):** Requires that documentation be kept for all activities you undertake to comply with the requirements of 15A NCAC 02T .0403, subparagraphs (a)(1) through (a)(9), for a minimum of three years, with the exception of the map, which shall be maintained for the life of the system.

Observations: Records were reviewed for all activities.



Permit: WQCS00310

Owner - Facility: Town of Longview

Inspection Date: 05/18/2022

Inspection Type : Collection System Inspect Non Sampling Reason for Visit: Routine

Inspection Summary:

General

Yes No NA NE

- Is there a properly designated primary ORC and at least one back-up of proper grade?
- Are logs being reviewed by the system management or owner on a regular basis?
- # What is that frequency? weekly
- # Are there any issues being addressed currently or any in the planning stages?
- Is there a specific pump failure plan available for all pump stations?
- Does plan indicate if pump parts/new pumps are in spare parts/equipment inventory?
- Are new/significantly upgraded pump stations equipped with anti-corrosion materials?
- Does the permittee have a copy of their permit?
- # Is permit expiring within the next 6 months?
- If Yes, has the Permittee applied for renewal?

Comment: The Town is operating under expired permit while awaiting their permit renewal which was previously submitted.

Sewer and FOG Ordinances

Yes No NA NE

- Is Sewer Use Ordinance (SUO) or other Legal Authority available?
- Does it appear that the Sewer Use Ordinance is enforced?
- Is there a Grease Control Program that legally requires grease control devices?
- What is the standard grease trap cleaning requirement in the FOG ordinance? variable
- Is Grease Control Program enforced via periodic inspections/records review?
- Is action taken against violators?
- # Have satellite systems adopted an equivalent or more stringent ordinance?
- Is grease/sewer education program documented with req'd customer distribution?
- # Are other types of education tools used like websites, booths, special meetings, etc?

If Yes, what are they? (This can reduce mailing to annual.)
 The Town posts FOG info on their website, at Town Hall and info is posted quarterly on billing notices.

Comment: The Town is adopting the City of Hickory's FOG ordinances.

Capital Improvement Plan

Yes No NA NE

- Has a Capital (CIP) or System Improvement Plan been developed and adopted?
- Is it designated for wastewater only or does it have a dedicated section?
- Does CIP cover three to five year period of earmarked improvements?
- Does CIP include description of project area?
- Does CIP include description of existing facilities?
- Does CIP include known deficiencies?
- Does CIP include forecasted future needs?

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Comment: The current CIP was not available for inspection at the meeting location and will be evaluated at a later date. Staff did indicate that CIP projects are in process to start late summer on a 1.2 million dollar water & sewer project to extend service lines on Shelby Rd and to include 2100 feet of 8 inch sewer lines and 8 manholes.

Map

Yes No NA NE

Is there a overall sewer system map?

Does the map include:

Pipe Type (GS/FM)

Pipe sizes

Pipe materials (PVC, DIP, etc)

Pipe location

Flow direction

Approximate pipe age

Pump station ID, location and capacity

Force main air release valve location & type

Location of satellite connections

Is the map being updated for changes/additions within 1 year of activation?

Comment: The Town uses detailed paper maps.

Reporting Requirements

Yes No NA NE

Have there been any sewer spills in the past 3 years?

If Yes, were they reported to the Division if meeting the reportable criteria?

If applicable, is there documentation of press releases and public notices issued?

Is an Annual Wastewater Performance Report being filed with the Division, if required?

Is the report being made available to all its sewer customers?

How is it being made available?

website

Comment: The Town did not have any reportable SSO's for the review period.

Inspections

Yes No NA NE

Are adequate maintenance records maintained?

Are pump stations being inspected at the required frequency?

Is at least one complete functionality test conducted weekly per pump station?

Is there a system or plan in place to observe the entire system annually?

Is the annual inspection documented?

Does the system have any high-priority lines/locations?

Are inspections of HPL documented at least every 6 months?

Are new lines being added to the HPL list when found or created?

Comment: Records are maintained for all activities.

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Spill Response Action Plan

Yes No NA NE

- Is a Spill Response Action Plan available?
- Is a Spill Response Action Plan available for all personnel?
- Does the plan include:
 - 24-hour contact numbers
 - Response time
 - Equipment list and spare parts inventory
 - Access to cleaning equipment
 - Access to construction crews, contractors, and/or engineers
 - Source of emergency funds
 - Site sanitation and cleanup materials
 - Post-overflow/spill assessment
- Does the Permittee appear to respond within 2 hours of first knowledge of a spill?

Comment: No SSO's for the review period.

Spills

Yes No NA NE

- Is system free of known points of bypass?
- If No, describe type of bypass and location
- Are all spills or sewer related issues/complaints documented?
- # Are there repeated overflows/problems (2 or more in 12 months) at same location?
- # If Yes, is there a corrective action plan?

Comment:

Lines/Right-of-Ways/Aerial Lines

Yes No NA NE

Please list the Lines/Right of Ways/Aerial Lines Inspected:
Two aerial lines at Frye Creek P/S and 19 th St outfall R/W. No issues noted and these were well maintained.
Cape Hickory Rd. outfall R/W needs to be cleared.

- Are right-of-ways/easements maintained for full width for access by staff/equipment?
- If No, give details on temporary access:
Cape Hickory Rd outfall R/W needs to be cleared.
- Is maintenance documented?
- Are gravity sewer cleaning records available?
- Has at least 10% of lines older than 5 yrs been cleaned annually?
- Were all areas/lines inspected free of issues?

Comment: The Town had cleaned 16 miles of lines and greatly exceeding the minimum 10% cleaning requirement.

Manholes

Yes No NA NE

Please list the Manholes Inspected:

Numerous M/H's inspected and several issues noted. The influent M/H at the 19th St SW P/S had a loose ring and cover which needs to be reset and anchored. One influent M/H at the Frye Creek P/S has a flat bottom and is a brick M/H. Not an issue but the Town has a large percentage of these type M/H's which should be evaluated for future rehab as they tend to contribute to I/I issues, and line blockages.

Are manholes accessible?

Are manhole covers/vents above grade?

Are manholes free of visible signs of overflow?

Are manholes free of sinkholes and depressions?

Are manhole covers present?

Are manholes properly seated?

Are manholes in good condition?

Are inverts in good condition?

Is flow unrestricted in manholes?

Are manholes free of excessive amounts of grease?

Are manholes free of excessive roots?

Are manholes free of excessive sand?

Are manhole vents screened?

Are vents free of submergence?

Are manholes free of bypass structures or pipes?

Comment: See previous comments above.

Pump Stations

Yes No NA NE

Please list the Pump Stations Inspected:

Cape Hickory Rd P/S, Frye Creek P/S and 19th St SW P/S. No issues noted and P/S's appeared to well operated and maintained.

Number of duplex or larger pump stations in system 3

Number of vacuum stations in system 0

Number of simplex pump stations in system 0

Number of simplex pump stations in system serving more than one building 0

How many pump/vacuum stations have:

A two-way "auto polling" communication system (SCADA) installed? 1

A simple one-way telemetry/communication system (auto-dialer) installed? 0

For pump stations inspected:

Are they secure with restricted access?

Were they free of by-pass structures/pipes?

Were wet wells free of excessive grease/debris?

Do they all have telemetry installed?

Is the communication system functional?

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Is a 24-hour notification sign posted ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the sign include:				
Owner Name?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump station identifier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
# Address?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Instructions for notification?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24-hour emergency contact numbers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are audio and visual alarms present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are audio and visual alarms operable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
# Is there a backup generator or bypass pump connected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If tested during inspection, did it function properly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the back-up system tested at least bi-annually under normal operating conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
# Does it have a dedicated connection for a portable generator?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
# Is the owner relying on portable units in the event of a power outage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
# If Yes, is there a distribution plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If Yes, what resources (Units/Staff/Vehicles/etc) are included in Plan?				
The Town has a dedicated onsite diesel fueled generator at all 3 P/S's and all 3 generators functioned w/o issue when tested.				
# Does Permittee have the approved percentage of replacement simplex pumps?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is recordkeeping of pump station inspection and maintenance program adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do pump station logs include at a minimum:				
Inside and outside cleaning and debris removal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspecting and exercising all valves?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspecting and lubricating pumps and other equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inspecting alarms, telemetry and auxiliary equipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comment: Good record keeping noted for all activities and the Town inspects all P/S's daily 24/7/365.

Compliance Status: Compliant

The attached inspection report should be self-explanatory; however, if you have any questions regarding the inspection report or this letter please contact Tony Parker at 704-663-1699 or tony.parker@ncdenr.gov.

Sincerely,

DocuSigned by:
Andrew H Pitner for
F161FB69A2DB4A3...

W. Corey Basinger, Regional Supervisor
Mooresville Regional Office
Water Quality Regional Operations Section
Division of Water Resources, NCDEQ

Attachments: BIMS Inspection Report

CC: DWR files (Laserfiche)

