



# KINSTON PUBLIC SERVICES

Buildings & Grounds, Business Office, Electric, Engineering, Environmental Services,  
Fleet Maintenance, Meter Reading, Stormwater, Streets, Wastewater, and Water

*Kinston, the right place ... Kinston Public Services, the right choice.*



## City of Kinston Annual Operations and Performance Report 2018

### **Johnnie Mosley Regional Water Reclamation Facility (JMRWRF)**

|                 |                       |
|-----------------|-----------------------|
| NPDES           | # NC0024236           |
| Design Capacity | 11.85 Million Gallons |
| Treatment Type  | Johannesburg Process  |
| Service Date    | 2006                  |

#### **Facility Comments:**

The last annual inspection report for the Johnnie Mosley Regional Water Reclamation Facility, dated August 22, 2018, was found to be in compliance with its discharge permit. There was one Notice of Violation during calendar year 2018 for exceeding effluent pH (limit value 6, reported value 5.71) and effluent Total Ammonia (weekly average limit value 3 mg/L, reported weekly average value of 9.08 mg/L and the monthly average limit value of 1 mg/L, reported monthly average value of 2.31 mg/L).

NCDWQ was notified as required. The exceedances were the result of a valve that drains the plant Alum tanks back into the plants internal drain system being left open after staff performed routine maintenance of the Alum pumps. Corrective action was taken to reduce any potential future discharge by installing an additional valve at the end of the discharge line prior to the plant drain.

No environmental impacts associated with these violations were observed.

### **SANITARY SEWER COLLECTION SYSTEM**

During calendar year 2018, the collection system reported four sanitary sewer overflows (SSO's) and spills.

Any spill of 1,000 gallons or more and any reaching surface waters are required to be reported to the DWQ.

On March 28, 2018, the City of Kinston had a wastewater spill of an estimated 10,000 gallons from manhole #280 AA-ARV located at 4206 W. Vernon Ave., Kinston, NC. The spill was the result of a malfunctioning air release valve. City of Kinston personnel turned off the pumps that supplied the force main, vacuumed and cleaned the manhole for inspection and replaced the air release valve. Pumps were turned back on to inspect for leaks and to confirm proper operation of the air release valve. The spill did reach surface waters (unnamed tributary to the Neuse River).

On April 10, 2018, the City of Kinston had a wastewater spill of an estimated 4,000 gallons from manhole #7H located at 2612 W. Vernon Ave., Kinston NC. City of Kinston personnel arrived and shut down the lift station pumps. The manhole stopped surcharging and the area was cleaned with lime. The spill was the result of rags, clothes, and hygiene products in the sewer line associated with Caswell Center's wastewater discharge to the City of Kinston. The blockage was severe enough that a by-pass system had to be installed for the City to come in to clean and remove all the debris within the sewer pipe. The City of Kinston eventually had Caswell Center add on a separate filtration device to their collection system so that debris will not be discharged into the City's collection system. The spill did reach surface waters (unnamed tributary to the Neuse River).

On September 17, 2018, the City of Kinston had a wastewater spill of undetermined gallons from a ruptured gravity sewer line between MH 114K and MH 126AP., Kinston, NC as a result of severe rain and flooding associated with Hurricane Florence. The SSO stopped when the flood waters receded (September 27, 2018; estimated at 272 hours). Bypass operations were set up after the flood waters subsided and installation of new piping is still on-going. The spill did reach surface waters (Neuse River). The affected area was disinfected with lime and cleaned up.

Also on September 17, 2018, the City of Kinston had a wastewater spill of undetermined gallons from a ruptured pipe located at Oliver Glass Lift Station, 646 Sussex Street, Kinston NC as a result of severe rain and flooding associated with Hurricane Florence. The station was overtaken by flood waters from the Neuse River. The SSO stopped when the flood waters receded at the lift station (September 25, 2018; estimated at 153 hours). The spill did reach surface waters (Neuse River). The affected area was disinfected with lime and cleaned up.

In all referenced spills in 2018, the City of Kinston Public Services Department confirmed that all spills, repairs and cleaning of the surrounding areas were properly addressed. The City also notified the Division of Water Quality in all incidents.

As of this report, the City believes that none of the above referenced SSOs resulted in any fish kill or impairments of the surface waters.

The City of Kinston received a Notice of Violation on April 03, 2018, in reference to the spill event of March 28, 2018. No fines were associated with the NOV.

The last annual inspection report for the collection system is dated September 27, 2017.

# Responsible Person Contact Listing

## General:

|   |              |
|---|--------------|
| Rhonda Barwick - Public Services Director         | 252-939-3303 |
| Steve Miller – Assistant Public Services Director | 252-939-3285 |
| Brian Lucas - Water Resources Manager             | 252-939-3316 |

## Stormwater Utility:

|   |              |
|---|--------------|
| Brian Lucas - Water Resources Manager   | 252-939-3316 |
| Gilbert Acevedo - Street Superintendent | 252-939-3314 |

## Water Reclamation (Wastewater Utility):

|   |              |
|---|--------------|
| Kenneth R. Stevens, Jr. - Water Reclamation Facility Superintendent (ORC) | 252-939-3375 |
| Swindell Flowers - Residual Management Coordinator (ORC-Land Application) | 252-939-3248 |
| Jimmy Garvey – Water Operations Superintendent                            | 252-939-3299 |
| Steve Miller- ORC - Wastewater Collections                                | 252-939-3285 |

## Water Utility:

|  |              |
|--|--------------|
| Joey Pittman - Water Production Superintendent (ORC-Wells)           | 252-939-3286 |
| Jimmy Garvey – Water Operations Superintendent                       | 252-939-3299 |
| Steve Miller- ORC – Distribution                                     | 252-939-3285 |
| Kelvin Harrison - Water Production Supervisor (ORC-Cross Connection) | 252-939-3156 |