

# STORMWATER TECHNICIAN

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Position Code: 2750

WC Code: 7520

FLSA Status: Non-Exempt

Pay Grade: 351

Location: Engineering

Approval Date: 2019

## **General Statement of Duties**

The employee in this class performs technical work in the engineering and environmental aspects of the Town's Stormwater Program.

## **Distinguishing Features of the Class**

This position performs technical engineering, environmental, and surveying duties relating to the design, operation, and maintenance of the stormwater drainage system; assist engineers in development review, including stormwater engineering calculations, and technical reports; conducts construction site and illicit discharge inspections, investigations, and documentation; generates and delivers reports and presentations to Town staff, civic organizations and elected officials; prepares and maintains databases; performs surface water quality sampling; coordinates with the other Divisions regarding the operation and maintenance of the stormwater drainage system; responds to public requests for assistance; and assist the Engineering Services Director in other program aspects. Work includes extensive contact with consultants, contractors, the general public, government agencies, and Town Staff. The employee exercises independent judgment and technical expertise in the application of field inspections, surveying and water quality monitoring. Tact and courtesy are required in frequent contact with property owners, consultants, contractors, the general public and other Town staff. Work is performed under the general supervision of the Engineering Services Director.

## **Duties and Responsibilities**

Develops, implements, and tracks components of the Town's NPDES Phase II Stormwater Permit.

Identifies illegal connections to the storm sewer system or other forms of illegal dumping; investigates, implements and provides enforcement.

Utilizes global positioning system (GPS) and geographic information system (GIS) equipment, technology, and associated software applications to map and manage the stormwater system.

Prepares reports, studies, analyses, and gives presentations to the Town staff, civic and school groups.

Monitors and evaluates stormwater discharges to the surface waters of the Town of Mooresville, including interpreting and reporting surface water quality data.

Meets with and provides technical assistance to developers, property owners, consultants, contractors, the general public and Town staff with issues in the area of stormwater quality.

Works with citizens, businesses, and staff on a range of customer service issues related to stormwater management; responds to citizen requests for stormwater information including the floodplain regulations, erosion control, stream buffers, stormwater drainage, water quality concerns; reviews and interprets floodplain maps; proposes solutions to homeowners, businesses and other utility customers regarding stormwater issues.

Assists with the maintenance of the Town's stormwater infrastructure database and stormwater GIS systems.

Perform stream water quality monitoring; coordinates and/or perform stream water sampling work; evaluates and makes recommendations to supervisor regarding sampling results, laboratory test procedures, and target pollutants.

Conducts inspections of potential pollution sources from illicit connections to storm sewers.

Inspect construction sites for erosion control measures and to ensure adherence to approved plans and to determine compliance with erosion control regulations and ordinances.

Inspects stormwater control devices (Best Management Practices-BMPs) to verify proper operating condition, to ensure adherence to approved plans, and to determine compliance with applicable regulations and ordinances.

Issues Inspection Reports, Notices of Violations, Enforcement Packages, or other documentation relating to NPDES and stormwater regulations and ordinances.

Responds appropriately to issues, complaints, or concerns brought forth by the public or officials relating to environmental and drainage concerns.

Keeps abreast of applicable state and federal regulations and changes thereto.

Performs other related duties as required.

## **Recruitment and Selection Guidelines**

### **Knowledge, Skills, and Abilities**

Considerable knowledge of surveying, GIS and GPS practices, techniques, equipment and standards.

Considerable knowledge of scientific theories, principles and practices of hydrology, hydraulics, and stormwater best management practices.

Considerable knowledge of the engineering principles, calculations, and technical methods involved in erosion and sediment control, stormwater management, and construction standards and specifications.

Considerable knowledgeable of local, state, and federal rules and regulations pertaining to water resource management including NPDES Phase II permit requirements, and ability to enforce water management ordinances, laws, and regulations with firmness, tact and impartiality.

Considerable knowledge of engineering plans and designs utilized in the resolution of stormwater flooding and water quality and quantity problem areas.

Thorough knowledge of stream morphology and aquatic science.

Thorough knowledge of town ordinances regarding development

Thorough knowledge of database management and the Microsoft Office suite of software programs.

Ability to understand and follow complex written and oral instructions, ability to understand and follow written Town Ordinances, Standard Specifications, and State/Local Codes.

Ability to deal effectively with the public in high stress situations.

Ability to work with public officials and outside agencies.

Ability to create and implement effective public outreach and educational programs.

Ability to communicate effectively both orally and in writing.

### **Physical Requirements**

Physical activity related to this position may include sitting, standing, climbing, stooping,

pushing, pulling, prying, kneeling, walking, and repetitive motions. Walking may be across rough terrain and crossing ditches, creeks and trenches as needed. The employee must occasionally lift up to 50 pounds.

An employee must have such visual acuity as to read and write handwritten and typewritten material including being able to read a computer screen. An employee in this class must be able to talk and hear in order to be able to respond to the public and other employees.

### **Minimum Education and Experience**

Any combination of education and experience equivalent to graduation from an accredited college or university with a degree in environmental engineering, environmental science, or closely related field, and two to five years of experience working with environmental regulations.

### **Special Requirements**

Possession of a valid North Carolina driver's license.

North Carolina Certified BMP Inspector or ability to obtain within one year of employment.