

CLASS TITLE: ENVIRONMENTAL MONITORING TECHNICIAN I

PURPOSE OF THE CLASSIFICATION: Under direct supervision performs technical, subprofessional engineering work in support of environmental programs involved in industrial/commercial waste and stormwater quality, stream and potable water distribution system and hazardous material monitoring to ensure compliance with all environmental regulations and other related assigned duties.

ESSENTIAL TASKS:

- Sets up, collects, preserves, transports and documents drinking, surface, waste and stormwater samples to ensure sample collection procedures comply with approved quality assurance and control techniques
- Installs, operates, sets up, secures, calibrates and maintains sampling, testing, detecting and monitoring equipment, tools and devices, including remote automated sampling and flow monitoring equipment, ph and flowmeter, gas detectors and fluorimeters
- Operates and maintains computerized database information and electronic/hard copy files to query, generate, track and document pertinent sampling information according to prescribed procedures
- May assist in complaint-based investigations of hazardous materials spills
- Creates and schedules sampling and monitoring projects and routes
- Follows chain of custody and other established procedures to allow use of data acquired for billing purposes and/or as evidence in a court of law
- Writes informational reports, memos, correspondence and other documents
- Testifies in a court of law as an expert witness
- Performs technical calculations and field tests utilizing specialized analytical equipment
- Assists in providing leadership, training, guidance and technical support to others
- Must report to work on a regular and timely basis.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

QUALIFICATIONS:

Training and Experience: Graduation from high school or possession of a General Educational Development Certificate (GED), completion of nine (9) credit hours from an accredited college in math, science and/or computers and one (1) year of experience as an Environmental Engineering Aide I for the City of Tulsa or similar experience. Refer to the Environmental Monitoring Technician progression criterion document for additional requirements.

Knowledge, Abilities and Skills: Considerable knowledge of the principles and practices of environmental engineering, chemistry, hydraulics and related environmental rules and regulations; considerable knowledge of the principles and practices of multiple environmental collection, treatment and distributions systems; and good knowledge of various computer software applications; and some knowledge of sampling and laboratory analysis techniques. Ability to read and interpret engineering atlas plans, maps and specifications; ability to perform routine laboratory analysis and testing procedures; ability to keep accurate records and statistical data and perform accurate calculations; and the ability to understand and influence the behavior of others within the organization, customers or the public in order to achieve job objectives and cause action or understanding. Skill in performing mathematical computation.

Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a keyboard and telephone; frequent lifting up to 50 pounds; frequent carrying up to 30 pounds with occasional carrying up to 60 pounds; occasional pushing and pulling up to 60 pounds; may be subject to walking, standing, balancing, bending, kneeling, crawling, handling, feeling, climbing, smelling and twisting; and vision, speech and hearing sufficient to perform the essential tasks.

Licenses and Certificates: Possession of a valid Oklahoma Class "D" Operator's License and the ability to obtain a Class C Water/Wastewater Laboratory Operators License as issued by the Department of Environmental Quality (DEQ) within one (1) year of hire date.

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WORKING ENVIRONMENT: Working environment is primarily outdoors and in inclement weather and occasionally indoors with exposure to machinery, potentially hazardous fumes and chemicals, slippery surfaces and confined spaces; requires traveling to various locations to collect and deliver samples and may be subject to call-back.

Class Code: 3572

EEO Code: N-03

Pay Code: ST-24

Group: Engineering, Planning, and Technical

Series: Subprofessional Engineering and Technical

Effective Date: July 21, 2021