

CLASS TITLE: PIPELINE INSPECTION AND REHABILITATION TECHNICIAN

PURPOSE OF THE CLASSIFICATION: Under general supervision performs skilled inspection/defect identification work in the Public Works Underground Collection Systems Dry-weather Overflow Elimination Program and other related assigned duties.

ESSENTIAL TASKS:

- Performs onsite inspections of sewer mainlines to survey, detect, locate and pinpoint sewer defects through the use of a computerized television inspection system
- Performs analysis of field condition to recommend and prioritize follow-up
- Performs sewer sampling and testing for laboratory analysis
- Operates sonar detection equipment to pinpoint voids around sewer lines
- Makes field adjustments and repairs to equipment
- Maintains and repairs television inspection equipment, including minor mechanical and electronic repairs
- Establishes and implements worksite safety procedures
- Directs and interfaces with other systems personnel to coordinate activities affecting assigned work areas
- Performs breakdown/repair or rebuilding of camera/transporter or skid system
- Utilizes smoke testing, dyed-water testing and other work methods to identify and characterize cross-connections and other defects
- Inspects and tests newly constructed lines using air testing equipment, vacuum pressure testing and visual and TV inspection to ensure meets City specifications
- Operates specialized computer software to collect and maintain database information of line condition, defect analysis and prioritization and photo identification of defects
- Utilizes computerized inclinometer to evaluate underground pipe grade level
- Reads and interprets construction plans, engineering atlases, blue prints and drawings
- Utilizes Global Positioning Station Equipment to identify and catalog coordinates of structures
- Performs chemical grout sealing of open joints to eliminate infiltration

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) supplemented preferably with two (2) years of technical training classes or college accredited coursework in electronics; and three (3) years of related experience working in the wastewater collection system; or an equivalent combination of training and experience, per Personnel Policies and Procedures, Section 128.

Knowledge, Abilities and Skills: Considerable knowledge of operating principles of electronic equipment; considerable knowledge of miniature motors and transmissions; considerable knowledge of the wastewater collection system; good knowledge of the terminology, tools, methods and materials used in the testing, maintenance and repair of specialized electronic and mechanical collection system testing and inspection equipment; and good knowledge of computers. Ability to apply electronic theory; ability to read and interpret equipment schematics/drawings for equipment assembly; ability to read and interpret construction plans, blue prints, as-built drawings and engineering atlases; 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.

Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a computer and telephone; frequent lifting and carrying up to 10 pounds; occasional lifting, carrying, pushing and pulling, up to 60 pounds; may be subject to extended periods of walking, standing, sitting, reaching, balancing, bending, kneeling, handling, climbing and twisting; and vision, speech and hearing sufficient to perform the essential tasks.

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Licenses and Certificates: Possession of a valid Oklahoma Class "A" Commercial Driver's License (CDL) with tanker endorsement; a Class "C" Wastewater Works Operator's License as issued by the Department of Environmental Quality (DEQ) within six months to one year of hire date; and a Pipeline Assessment Certification by National Sewer Service Companies (NASSCO) within three months of hire date.

WORKING ENVIRONMENT: Working environment is primarily outdoors and in inclement weather and occasionally indoors; and requires some traveling to various locations for inspections.

Class Code: 3543

EEO Code: N-07

Pay Code: OT-18

Group: Engineering, Planning and Technical

Series: Inspection

Effective date: April 1, 2008