

Jurisdiction: City of Auburn
Jurisdictional Class: Competitive
Adopted: 10/07/10

SEWER INSPECTOR/GAS UTILITIES MECHANIC

DISTINGUISHING FEATURES OF THE CLASS:

This position involves responsibility for inspection of city storm and sanitary sewers and connecting building laterals. An incumbent operates and maintains a variety of sewer line inspection and cleaning equipment. Oversees day to day operations of the methane gas recovery and the leachate transfer system and the associated collection of pipe work. Balancing the well field and assuring site compliance relative to DEC Title V air permit requirements. Inspect, maintain, repair and overhaul pumps, other machinery and related mechanical and other equipment used in the City's facilities and systems for the supply, distribution and collection of methane gas and landfill leachate.

The work is performed under the direct supervision of a Sanitation Supervisor and the Superintendent of Public Works. An incumbent exercises no supervision.

TYPICAL WORK ACTIVITIES:

Inspects storm and sanitary sewers either by foot or motor vehicle to insure compliance with local ordinances and investigates reports of blocked or leaking sewers;

Installs, operates, and maintains sewer line inspection equipment such as generators, cameras, monitors and winches and identifies structural damage, restrictions and other sewer related problems;

Prepares video and audiotapes of all sewer inspections;

Makes proper measurements for infiltration tests, accurately determines and records footage readings, estimated inflow and submits oral and written inspection reports to a Public Works Supervisor for corrective or legal action;

Operates a backhoe, compressor and sewer cleaning machines to clean and repair sewers and catch basins including hydraulic cleaning machines, mechanical bucket machines and rodding equipment;

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Installs, maintains, modifies and repairs a wide variety of mechanical and electrical equipment in the City's methane gas and leachate collection systems, distribution, treatment and related facilities and systems, including, but not limited to, hydraulic and pneumatic pumps, compressors, valves, motors, engines, controllers, conveyor systems, bar screens, blowers, ventilators, mechanical drives and related or similar systems and equipment.

Performs scheduled preventative maintenance inspections and procedures on various mechanical and electrical components of the methane gas and leachate collection systems.

Inspects, records and utilizes charts, dial, gauges, meters and other monitors to determine pressure conditions, flow and feed rates and other operating conditions. Performs routine adjustments in response to monitoring results.

Performs a variety of service activities relating to the methane and leachate distribution and collection systems, such as digging trenches for mains, excavating for service and locating valves and meter pits in the methane collection and leachate transfer systems.

Performs routine electric and/or acetylene welding, brazing and/or soldering repairs and fabrications as required.

Establishes inspection procedures and routines;

Prepares and maintains a variety of work related records and reports;

Reads and interprets maps, plans, blueprints and construction drawings to locate sewers and catch basins.

FULL PERFORMANCE, KNOWLEDGES, SKILLS, ABILITIES AND

PERSONAL CHARACTERISTICS:

Thorough knowledge of the principles, practices, safety precautions and equipment involved in sewer inspection;

Knowledge of the methods, tools and materials used in the maintenance, servicing and repair of pumps, motors, gear drives and related methane gas and leachate treatment facilities machinery and equipment.

Knowledge of methane gas and leachate collection, treatment, distribution and related systems, equipment, processes and required maintenance.

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Skill in the use and maintenance of tools used in the service and repair of collection, transfer and treatment facility machinery and related equipment.

Good knowledge of the local municipal codes regulating sewer use;

Good knowledge of location of city streets and sewers;

Working knowledge of maps, plans, blueprints and construction drawings;

Working knowledge of record keeping and report writing;

Ability to operate a variety of sewer inspection and cleaning equipment including closed circuit television;

Ability to interpret TV-monitor images and determine footage readings;

Ability to read and interpret maps, plans, blueprints and construction drawings;

Ability to understand and interpret oral and written instructions;

Ability to communicate both orally and in writing including the preparation of reports;

Ability to interpret local codes regulating the use of public sewers;

Ability to locate, diagnose and evaluate causes of equipment failure.

Ability to work overtime and/or be on call.

Ability to establish and maintain effective working relationships with other Public Works staff, staff of other City Departments and Offices and the general public.

Physical condition commensurate with the demands of the position.

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Graduation from high school or possession of a high school equivalency diploma and three (3) years experience in the construction, maintenance or inspection of storm and sanitary sewers involving the use of closed –circuit television inspection equipment. Experience to include pump operations and repair

Note: Successful completion of coursework in engineering technology, construction technology, drafting, hydraulics or a closely related field at a regionally accredited college or university, or one accredited by the New York State Board of Regents to grant degrees, may be substituted for the required experience with three semester credit hours being equivalent to three months of experience up to one year.