

Title: Inspection and Sealing Technician
PG: 47
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Water Utilities

Class Code: 3056
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

This is skilled and technical work in the cleaning, inspection and sealing of sewer systems through the use of specialized equipment. Supervision is exercised over a small technical crew. Work is assigned and carried out under administrative supervision with occasional on site inspections.

ESSENTIAL FUNCTIONS:

1. Utilizes special equipment to inspect new and existing sewer pipes and joints for leakage, sand and damage.
2. Makes logs of all conditions in each pipe section, evaluates overall condition and identifies specific problems and seals joints using a packer and chemicals.
3. Set up, adjust and move equipment through pipe to determine appropriate flow.
4. Repairs and maintains mechanical, electrical and electronic equipment.
5. Makes necessary records and reports; confers with supervisor and/or inspector about findings.
6. Utilizes cleaning equipment to remove debris from lift stations and new and existing sewer pipes and manholes.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS, & ABILITIES:

1. Considerable knowledge of sewer construction and repair.
2. Knowledge of the operation of high pressure/vacuum combination sewer cleaners.
3. Knowledge of the basic principles involved in repair and maintenance of mechanical, electrical and electronic equipment.
4. Knowledge of the operation of a sewer pipe closed circuit TV and sealing system.
5. Ability to diagnose problems in sewers, based on internal inspection.
6. Ability to perform mechanical, electronic and electrical repairs and maintenance.
7. Ability to organize and supervise a small technical crew.
8. Ability to prepare necessary reports and records in an accurate manner.
9. Ability to establish and maintain harmonious and effective relationships with supervisors, co-workers, other City employees and the general public.
10. Ability to read and interpret maps and plans.
11. Ability to enter manholes and lift stations.
12. Ability to perform manual labor.
13. Ability to perform duties in adverse weather conditions.

WORKING ENVIRONMENT/CONDITIONS:

Requires active work that involves walking, climbing or standing some of the time, stooping and twisting, exerting up to 10 pounds of force on a recurring basis, and routine keyboard operations. The job risks exposure to heights, chemical, biological, electrical and mechanical hazards. Employee will be required to work in bright/dim light, and adverse weather conditions. Frequent exposure to the general hazards of the industrial working environment and construction sites. The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of taste, sense of smell, depth perception, and texture perception.

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QUALIFICATIONS (EDUCATION, TRAINING AND EXPERIENCE):

1. High school diploma or it's equivalent.
2. Two (2) years of experience in maintenance and/or construction of sewers.
3. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess and maintain a valid state of Florida Class B commercial driver's license with appropriate endorsements as are required by the employing department.
2. Must possess and maintain a valid telephone number.
3. Must be available to work irregular hours.
4. Required to pass and maintain qualification for:
 - (a) Respiratory Protection Physical
 - (b) Pulmonary Function,
 - (c) Qualitative and Quantitative Fit Test(s).
5. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.