

**JOB DESCRIPTION  
CITY OF SPRINGFIELD**

**HUMAN RESOURCES DEPARTMENT  
EMPLOYMENT AND  
COMPENSATION DIVISION**

Job Title	<u>Infiltration &amp; Inflow Technician</u>
Sch & Grade	<u>PAT-5</u>
Class Code	<u>CB99</u>
FLSA Status	<u>Non-exempt</u>
Bargain Unit Elig.	<u>AFSCME</u>
Occupational Group	<u>Code Enforcement and Inspection</u>

**PRIMARY PURPOSE:**

Performs inspections, tests, studies and evaluation surveys to locate, identify and quantify defects and sources of infiltration and inflow into the sanitary sewer collection system. Certifies the results of performance testing to ensure compliance for newly constructed and rehabilitated sewers within specified guidelines.

**SUPERVISION:**

Under supervision of the Wastewater Video Technician.

**DESCRIPTION OF WORK:**

**ESSENTIAL FUNCTIONS:**

1. Installs, maintains, integrates, and collects data from flow recording devices, flumes, weirs, groundwater and rainfall gauges and completes complex analysis of data for evaluation and interpretation.
2. Performs internal manhole and physical pipe inspections as well as smoke and dye testing of sewer systems in order to detect defects and sources of infiltration and inflow and accurately documents findings.
3. Records necessary information, completes appropriate forms, and creates drawings and figures as appropriate.
4. Oversees performance testing to ensure successful completion of the work by witnessing and certifying results of acceptance tests and inspecting clean up of newly constructed and rehabilitated sewer projects.
5. Reads and interprets a variety of maps, plans, construction diagrams, blueprints, and survey data.
6. Removes manhole covers to gain access to waterways and sewers for inspection, testing and analysis purposes.
7. Utilizes appropriate safety equipment and procedures for confined space entry.
8. Drives to a variety of work sites as required to conduct inspections and gather data.
9. Responds to the public's and/or the Contractor's questions and concerns including investigating complaints and providing information as required.
10. Assists in preparing reports and maintaining records which includes utilizing computer applications as well as office equipment such as a copy, fax, and blueprint machine.
11. Performs simple engineering survey work.
12. Assists the Sewer Video Crew Leader in the collection of CCTV (closed circuit television video) for the purpose of evaluation, maintenance and rehabilitation of existing sanitary sewers.

**IMPORTANT FUNCTIONS:**

1. Maintains equipment and tools through proper care and maintenance.
2. Files inspection sheets and maps.
3. Performs comparable work as required for development purposes.

*Performs related work as required.*

**QUALIFICATIONS REQUIRED:**

Any combination of education, training, and experience providing the following knowledge, skills, and abilities:

**Knowledge**

Basic principles and procedures of the construction, inspection, maintenance, repair and rehabilitation of the sanitary sewer collection system; basic math skills including addition, subtraction, multiplication and division.

**Abilities**

Install, maintain, integrate, and collect data from metering and gauging devices; accurately observes and certifies testing results; read and interpret information from maps, plans, surveys, diagrams, metering, and gauging devices; learn computer software applications; perform manhole and pipe inspections in a manner consistent with safety procedures; maintain legible and accurate records of activities; follow oral and written instructions; communicate effectively verbally and in writing; deal effectively and courteously with associates and the general public; present an overall professional image; effectively welcome and embrace differences among employees and citizens; perform effectively as a member of a team in carrying out the city's stated mission and philosophy; perform the essential functions of the job without posing a direct threat to the health and safety of others.

**Experience, Education, and Training**

Two years of experience in sewer construction or a related field which may include areas such as inspection, design or evaluating plumbing systems; or 18 months of experience in sewer construction or sewer rehabilitation or a related field with 6 months experience performing computer software applications; or any combination of vocational or technical training or education in a construction or electronic related area.

**Physical Requirements**

Performs bending, squatting, crawling, twisting, kneeling, and reaching to ground level and overhead; lifts and carries up to 90 pounds; pushes and pulls up to 130 pounds; must be able to hold and grip objects, climb in and out of manholes, distinguish colors to interpret tests and observe sewer collection systems for inspection purposes. Subject to working in awkward positions and standing for long periods of time. Must be able to operate a computer keyboard.

**Working Environment**

Primarily outdoors with exposure to dust and pollen; subject to a variety of extreme weather conditions; susceptible to mechanical hazards associated with equipment; subject to exposure to smoke, strong odors, sewer gases and chemical hazards as well as other safety hazards associated with working in and around traffic; possible exposure to disease through contact with sewage; must be able to work in confined spaces with possible poor lighting and ventilation.

**Licensing/Certification**

Must possess a valid Missouri Motor Vehicle Operator's License.

**Miscellaneous Requirements**

None

<b>Last Revision:</b>	February 13, 2012	<b>GENERAL ORDINANCE NO. 4376</b>
<b>Comments:</b>	Updated Abilities	<b>Date:</b> September 20, 1993

**I have read the foregoing job description in its entirety and understand its contents. I can perform the essential functions outlined with or without reasonable accommodation under the Americans with Disabilities Act.**

**Signed:** \_\_\_\_\_

**Date:** \_\_\_\_\_