



## **SEWER SYSTEM VIDEO TECHNICIAN**

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

### **DEFINITION**

Under general supervision of the Sewer Systems Supervisor: Operates sewer video inspection equipment to inspect sewer mains for condition assessment and compliance with applicable codes and regulations; Performs skilled technical work in the operation of audiovisual equipment used in the inspection of sewer mains; Operates computer hardware and software systems that are used in the operation, tracking and reporting of sewer video inspections based upon the District's asset based management system; Inspects sewer mains to determine and mark location of problems; Maintains and troubleshoots video equipment, tools, vehicle and supplies; and performs related work as assigned.

### **CLASS CHARACTERISTICS**

This is a full working-level class position that inspects District sewer mains with the use of sewer video system technology. The technician does not supervise other employees, but may act as a lead worker. They usually work alone on routine or regular work assignments, checking with a supervisor on non-routine assignments or when in doubt as to the correct procedure to follow. The technician must possess a NASSCO PACP and MACP Certification and a CWEA Sewer Collection Grade II certificate.

This class is distinguished from the Sewer Service Worker series due to the technical expertise necessary required to operate the video inspection system.

### **ESSENTIAL FUNCTIONS**

*The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude the position if the work is similar, related or a logical assignment to the class.*

- Operates sewer video inspection system to assess the condition of new and existing sewer mains and structures.
- Evaluate, rate, document and report the condition of new and existing sewer mains and structures using Pipeline Assessment and Certification Program (PACP) protocols.
- Operates sewer video inspection system to inspect newly installed sewer mains to determine if they meet or fail standards.

- Operates computer hardware and software systems, including, but not limited to, sewer video inspection system, geographical information system (GIS), global positioning system (GPS), database, spreadsheet, word processing and e-mail systems.
- Maintains a database of sewer video inspection activities and reports and ensures that the video truck and computer server remain up to date.
- Safely operates sewer video inspection vehicle for travel to and from inspection locations.
- Calculates productivity statistics, compiles verbal, written and electronic reports on work accomplished.
- Sets up and directs setup traffic control systems at inspection locations, according to District policies.
- Communicates with District personnel and inspectors regarding whether new or repaired mains are in compliance with codes, standards and regulations.
- Responds to on call emergency sewer or water problems, inspects and repairs the problem or calls for additional assistance if necessary.
- Provides backup assistance, on-call coverage and support to other District operations as assigned.
- Follows all occupational and environmental health and safety regulations and practices.
- Maintains, troubleshoots and cleans all equipment, tools and supplies.
- Works cooperatively with the public, employees, District managers, outside vendors and customers.
- Performs related duties and responsibilities as required.

## **QUALIFICATIONS GUIDELINES**

### **Knowledge of**

- Sewer video inspection equipment operation and maintenance procedures.
- Computer hardware and software systems, including, but not limited to, sewer video inspection systems, geographical information system (GIS), global positioning system (GPS), database, spreadsheet, word processing and e-mail systems.
- PACP and MACP pipeline and manhole condition evaluation systems.
- Asset based management approach to evaluating sewer system.
- Sewer plumbing codes, regulations and practices.
- Occupational and environmental health and safety rules and practices.
- Confined space entry procedures and trench safety regulations.

- District policies and procedures.
- Pertinent Federal, State and local codes, laws and regulations.

#### Ability to

- Maintain and operate the District sewer video inspection equipment and vehicle.
- Observe or monitor objects, equipment and data to determine compliance with prescribed operating or safety standards.
- Comprehend and make inferences from written material such as operations and procedures manuals and Material Safety Data Sheets (MSDS).
- Read, comprehend and use electronic and non-electronic quarter section maps, asbuilts, and other documents.
- Provide technical assistance for and basic comprehension of related to sewer codes and installation problems.
- Assess and identify compliance issues as related to the video inspection process of the District's sewer system.
- Schedule and prioritize workload.
- Use small hand tools and mechanical equipment.
- Operate a computer.
- Communicate clearly and concisely, both orally and in writing.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Work in a variety of weather conditions with exposure to the elements.

#### Education

- Equivalent to completion of high school.
- Successful completion of the NASSCO PACP and MACP Course.

#### Experience

Two years of experience in conducting sewer video inspections of public sewer systems and evaluating and reporting the condition of the sewer system using PACP protocol.

Two years of experience in the construction, repair, operation and/or maintenance of sewer collection systems and/or related facilities in a public agency environment.

### Licenses/Certificates

- Possession of a valid California Class C Driver's License. Possession of a valid California Class B driver's license, with air brake and tanker endorsements, required within 12 months of employment.
- Possession of, or ability to obtain, certification from District-provided CPR/First Aid training is required.
- Possession of, or ability to obtain within 12 months of employment, a valid California Water Environment Association (CWEA) Sewer Collection Grade II Certificate.
- Possession of a NASSCO PACP and MACP Certificate.

### Physical Requirements

The following abilities are considered necessary to successfully perform the essential functions of this class; however, applicants who request accommodation will be considered on a case-by-case basis.

Ability to: communicate orally, in person and by telephone, in face-to-face, one-to-one, and group settings; sit for extended periods of time; have hearing and vision within normal ranges; carry, push, reach and lift repeatedly up to 75 pounds; occasionally stoop, kneel or crouch; work in confined spaces; occasionally work in trenches and on elevated areas; apply sufficient manual dexterity to operate equipment, including hand tools and small parts; walk on uneven terrain; work in an outdoor environment with possible exposure to harsh weather conditions, heavy equipment, dust, noise, and potentially hazardous substances.

### Special Requirements:

Must meet CAL-OSHA respiratory facemask requirements.

Must be willing to assume responsibility for 24 hour operations in assigned area of responsibility or to respond to emergency situations in off hours as required.

FLSA: Non-Exempt  
Range: 73  
Union: JCSDEA