

Collection System Video Inspector

FLSA Status: Covered
Bargaining Unit: District Council of Trade Unions (DCTU)

General Summary

Positions in this class are responsible for remotely inspecting sewer and stormwater pipes using a track mounted CCTV camera; locating, documenting and rating defects; identifies and inspects lateral connections; identifying sources grease and other materials harmful to the functionality of the sanitary/stormwater collection systems. Inspects, documents, and rates the overall condition and individual defects in manholes.

Distinguishing Characteristics

The Collection Systems Video Inspector has primary responsibility for using track mounted CCTV to remotely inspect sewer and stormwater pipes in order to record and identify issues. It is distinguished from other classes by its focus on inspection of sewer and stormwater collection systems. The Collections Systems Investigator class is distinguished from the Collection System Video Inspector by the Collections Systems Investigator's primary responsibility for locating blockages, determining cause, and performing repairs.

Typical Duties/Examples of Work

1. Performs sewer system inspections by dye testing, operating a track mounted CCTV camera and other locating equipment in order to document and provide information; creates audio/video recordings of sanitary and storm sewer pipes; and enters descriptions and defect coding into an asset management application.
2. Coordinates and leads the work activities of a crew in inspection; identifies connections to sewers, or source control problems; draws information on sewer system maps or creates records where none exist.
3. Works in conjunction with cured in place pipe (CIPP) lining crew to rehabilitate pipe including determining where CIPP should be placed and re-establishing service connections that have been lined over using a CCTV unit and a remotely controlled cutting unit.
4. Investigates to locate source of reported illegal materials entering in the sewer system; locates sources of system leaks.
5. Inspects sewer and storm facilities installed by contractors for acceptance and warranty purposes; makes recommendations to supervisors and engineers regarding needed repairs.

6. Trains other employees in proper methods and equipment used in inspecting and maintaining a sewer system, and in the equipment used and safety procedures for inspection of sewer lines, both visually and electronically.
7. Performs mechanical and electrical repairs and maintenance of technical equipment;
8. Performs work in confined spaces, in and around hazardous and unknown atmospheres.
9. Responds to calls to work during emergencies.
10. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: sewer and stormwater collection systems; maintenance and repair of pipe in a live sewer; confined space entry; work zone traffic controls; shoring regulations; state, federal, DEQ, and CSO regulations; CCTV inspection coding and procedures; sewer system construction, structure, and various materials used

Ability to: learn and use safe working practices; provide leadership; train others; use, maintain and repair technical equipment; stay current with changing rules, regulations and technologies; work effectively with co-workers in a diverse workforce, and respond appropriately to question/concerns from other employees and the public.

Skill in: identifying, properly coding and documenting defects in sewer pipes. Reading instructions and interpreting GIS and/or asbuilt maps. Establishing and maintaining effective working relationships with other employees, contractors, and property owners. Diagnosing and resolving equipment or facility problems; making needed repairs; use of computers; completing reports; performing measurements and arithmetic computations including multiplication, division, fractions, decimals and conversions.

Special Requirements

Valid Class “A” Commercial Driver’s License with airbrakes endorsement; some positions may require additional endorsements, certifications or licenses; confined space training.

Classification History:

Adopted: 11-20-11

Class created as a split of the Environmental Systems Maintenance Technician

Working Conditions

Work in this class is typically performed in a field environment. Incumbent required to negotiate rough terrain; to lift up to 50 pounds; to work outdoors in all weather conditions; to be called back to work during emergencies; to work in and around traffic, confined spaces and in hazardous and unknown atmospheres; to wear protective gear.