

Wastewater Collection System Operator

STEP #1

- Manual labor in adverse conditions
- Follow oral and written instructions
- Basic knowledge of tools, equipment, construction methods and mechanical applications customary to the work in Utilities
- Obtain Class B California Drivers License within 6 months of hire
- Mechanical aptitude
- Good communication skills
- Basic problem solving skills

STEP #2

- Basic knowledge and application of both personal safety and public safety work practices (OSHA, Industry, City)
- Basic understanding of City policies and procedures
- Basic computer skills
- Basic knowledge of telemetry/alarm systems
- Basic understanding of wastewater collection system, it's purpose, configuration, and operation
- Basic knowledge of traffic control/delineation
- Meet minimum qualifications for CWEA Collection System Maintenance Technician Grade I exam
- CPR/First Aid certification
- Perform semi-skilled labor, maintenance and operational tasks under direct supervision
- Read sewer and street maps, understand symbols and designations
- Conduct basic record keeping and documentation
- Ability to establish and maintain positive and effective working relationships with coworkers and members of the public encountered in the course of duties

STEP #3

- Grade I Collection System Maintenance Technician certification required
- Generate and complete maintenance software work orders
- Understand the operation of pumps, the collection system, and the programs and services provided by the section
- Pull standby duties as required
- Advanced knowledge of traffic control/delineation
- Demonstrates competency of advanced safety practices/confined space and demonstrated ability to serve as entry supervisor for required confined space entries
- Basic reporting requirements to proper agencies
- Thorough understanding of routine job duties, operations and maintenance procedures

STEP #4

- Meet minimum qualifications for Grade II CWEA Collections System Operator certification
- Working knowledge of specialized tools and equipment (vapor roter, etc.)
- Independently perform preventative maintenance on pumps and motors, etc.
- Basic knowledge of wastewater collection system components and their functions, e.g. pressure transducers and all lift station operating components, backwater valves, siphons, etc.

STEP #5

- Knowledge of emergency and response procedures
- Knowledge of equipment and system troubleshooting procedures
- Advance knowledge of state traffic control manual and regulations
- Possession of Grade II CWEA Collection System Maintenance Technician Certification

STEP #6

- Proficient in all facets of operation and function at journey level
- Knowledge of regulatory and reporting requirements for routine and emergency situations
- Thorough working knowledge of engineering standards and specifications
- Ability to recognize priorities and needs and coordinate with other sections or departments
- Demonstrated ability to perform journey level work in mainline maintenance, lift station maintenance and operation, video inspection and construction

STEP #7

- Demonstrated ability to interpret and make judgments on the application of engineering standards and specifications
- Demonstrated ability to manage or lead an assigned project
- Advanced knowledge of confined space entry and respiratory protection procedures and requirements
- Advanced knowledge in the use of computerized maintenance management program
- Meet minimum qualifications for Grade III CWEA Collection System Maintenance Technician Certification (with the possible exception of the number of years in possession of a Grade II Certification)

STEP #8

- Develop and implement internal training programs for staff
- Demonstrated possession and application of job related leadership skills such as: conflict resolution, building consensus, time management, managing workplace disputes among coworkers, dealing with difficult customers, mentoring and team building
- Knowledge and familiarity of programs and services provided by City
- Assist in identification of facility/system deficiencies and recommend prioritization of corrective measures through the Operating and Capital Improvement budgets
- Competent operating knowledge of Telemetry and Control System operations, and basic troubleshooting and repair
- Possession of Grade III CWEA Collection System Maintenance Technician Certification

STEP #9

- Ability to assume supervisory responsibility in absence of supervisor
- Active participation in professional organization(s) for the betterment of the industry and department
- Demonstrated ability to implement and/or facilitate the dissemination of public information for the Department
- Knowledge of regulatory requirements and permits (i.e. NPDES, cMOM, Proposition 65 reporting, etc.)

- Demonstrated ability to perform self assessment and pursue additional training/education required to maintain advanced journey level skills within the profession