WASTEWATER MAINTENANCE WORKER II

DEFINITION

Under the general supervision of the Public Works Superintendent, cleans, inspects and maintains the wastewater collection system; including the pump/lift station wet wells. Maintain and repair all equipment used to clean, inspect and maintain the wastewater collection system and performs other related duties as assigned.

EXAMPLES OF DUTIES

- Clean, maintain, and inspect City wastewater and stormwater collection systems.

- Clear blockages in wastewater collection system; insure proper decontamination and containment during and after wastewater upsets to prevent public health hazard and protect the environment.

- Clean, maintain and inspect City manholes, keep manholes and easements clear of debris and accessible. Locate and expose sewer cleanouts and manholes. Prepare written reports on manhole conditions and recommendations for referral to supervisor. Remove accumulated debris, grease, concrete etc. which may result in potential blockage in manholes and other drainage structures.

- Operate and maintain equipment used to clean and/or inspect the City's wastewater and storm water collection systems including but not limited to: combination jetter and vacuum truck, sewer rodder, sewer video camera, CCTV video equipment, computer, video equipment vehicle, smoke testing equipment and flow monitoring/sampling equipment. Inspect and make routine maintenance repairs to the above equipment including but not limited to rods and couplings on sectional power sewer rodding machines; high pressure hose and fittings on high velocity sewer cleaner for damage and/or wear. Maintenance and diagnosis of hydraulic pumps, water pumps, hydraulic motors, blowers, electronic and video equipment; replace fluids, filters, high pressure hoses, and vacuum tubes; maintain replacement equipment and parts inventory. Perform occasional simple repair of other equipment, tools, and parts on accessory items; research and prepare requisitions for repair/replacement parts and materials as necessary for referral to supervisor.

- Perform preventative maintenance of the wastewater collection system to include; flushing, high velocity cleaning, power rodding, and hydraulic cleaning and vacuuming. Maintain an accurate record of all repairs made and recommended in the wastewater collection system for referral to supervisor.

- Identify, maintain & record wastewater collection system problems and report to supervisor. Collect and maintain chain of custody for water and wastewater samples. Use simple field water test kits to determine if a water source contains chlorine and/or fluoride.

- Perform basic skills in carpentry, and masonry in order to construct/adjust concrete grade rings, to rehabilitate/improve sewer manholes, and various other appurtenances in the collection systems.

- Assist supervisor in the design of bypass pump systems. Install, operate and maintain bypass pump systems.

- Read, use and interpret City infrastructure plans and maps and prepare accurate written and televised records of wastewater collection system cleaned, maintained or inspected.

- Communicate with Caltrans regarding controlled access right-of-way on state highways; assist other public works employees in setting up and maintaining safe controlled traffic and work zones including signage, detours and directional devices for wastewater collection system maintenance or other public works operations under direction of the Public Works Director or delegate.

- Prepare and maintain a computer database of CCTV video logs and reports; perform data entry and organization.

- Provide accurate information to supervisor following sewer upsets. Interact with the public, insurance company representatives, and local & state regulatory agencies relating to sewer upsets.

- Calculate, estimate and record flow, volume, capacity, and velocity of water and wastewater at various City locations within the City's collection systems.

- Interpret and practice occupational safety and health administration (OSHA) regulations and safe work practices in all maintenance and investigative work per City and OSHA requirements. Conduct safety checks and routine maintenance to gas detectors, blowers, fall protection equipment and respiratory equipment.

- Assist co-workers in proper confined space entry, use of gas monitoring equipment, tripod and safety harness, use of combination jetter and vacuum truck, sewer rodder, sewer video camera, video equipment, computer and video equipment vehicle, smoke testing equipment and flow monitoring equipment.

- Performs all other related duties as assigned.

REQUIREMENTS

Knowledge of: Methods, materials, tools and equipment used in the construction, maintenance, cleaning, inspecting and documenting of the stormwater and wastewater collection system. Proper methods of locating underground utilities, safe work practices, confined space entry, respiratory protection, climbing, lifting and carrying techniques, tools and equipment, purchasing policies and procedures, methods of maintaining inventories and supplies. Common hand and power tools used in basic carpentry, construction and vegetation removal. Local, State and Federal requirements regarding sewer upsets notifications and traffic control plans.

Skill in: operating and maintaining various sewer cleaning and inspecting equipment. Operating a fork lift, lift truck and dump truck. Use of small tools and machinery, physically performing frequent heavy lifting and safely transporting equipment, supplies and materials; maintaining a cooperative working relationships with co-workers, supervisors and general public. Communicating effectively, both orally and in writing; maintaining written records of work performed; and establishing and maintaining cooperative and effective working relationships with supervisors, co-workers, vendors and suppliers, and the general public.

OTHER REQUIREMENTS

Must possess a valid California Driver's License, and must possess or obtain a Class "B" license (with air brake endorsement) during the initial probationary period (six months). Must be willing to work nights, weekends, and overtime as necessary; must be willing to wear safety gear; work around solvents, fuels, compressed gases, work in cramped and confined spaces, tolerance to working in raw sewage, toxic gases and strong odors; must be able to handle the physical aspects of the job including climbing up to 15 feet, lifting, pulling, dragging, and carrying up to 100 pounds, lifting and carrying with help up to 150 pounds, standing or performing heavy physical labor on a sustained basis, working outside in all weather conditions. Must participate in federally mandated, drug and alcohol testing program, including both pre-employment and random testing as a condition of employment.

Must possess and maintain a Grade I Collection System Maintenance Certificate issued by the California Water Environment Association.

DESIRABLE EXPERIENCE AND TRAINING

Applicants must have experience and training which would demonstrate possession of the required knowledges and skills outlined above.

At least two years of experience as a Wastewater Maintenance Worker I or demonstrate two years of equivalent experience.