



CITY OF CALEXICO

CLASS TITLE: WASTEWATER TREATMENT PLANT OPERATOR III

MONTHLY: \$5,439 - \$6,611

RANGE: O-22

BASIC FUNCTION:

Under the direction of an assigned supervisor, perform a variety of activities involved in the maintenance, servicing, and repair of City wastewater facilities, systems and related equipment; inspect and repair ultraviolet system and perform preventive maintenance on plant processing equipment.

DISTINGUISHING CHARACTERISTICS:

Wastewater Treatment Plant Operator III incumbents perform technical work related to the plant operation and maintenance requiring greater experience and acquisition of a Treatment Plant Operator Group III certification. The Wastewater Treatment Plant Operator I is the entry-level classification in this series. Incumbents assist in the routine operation and maintenance of the Plant and related equipment.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:

Perform a variety of activities involved in the maintenance, servicing and repair of City wastewater facilities, systems and related equipment; assure safe and proper functioning of wastewater systems and equipment.

Inspect, troubleshoot and diagnose wastewater facility, system and equipment problems and malfunctions; repair or replace gauges, pumps, filters and various other controls, parts and equipment as necessary; diagnose and resolve electrical and mechanical problems.

Maintain process control and perform visual inspections of the wastewater treatment plant; perform preventive maintenance on plant processing equipment; maintain facilities in a clean and sanitary condition; pressure wash and steam clean equipment.

Inspect and repair ultraviolet system; operate, inspect and maintain sewage and storm water pump stations; activate and monitor pump stations to assure proper operations; lubricate equipment as needed; clean and prepare drying beds as assigned.

Perform welding in the fabrication, repair and installation of metal parts and components as

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assigned; utilize appropriate welding equipment.

Operate a variety of equipment including meters, probes, IMHOF cone supports, thermometers, fume hoods, backhoes, loaders and hand and power tools; drive a vehicle to conduct work.

Collect, transport and distribute wastewater samples in accordance with established requirements and procedures; test samples and compile and evaluate wastewater treatment data; collect river samples as required.

Communicate with City personnel and outside agencies to exchange information and resolve issues or concerns.

Estimate and assure adequate labor, equipment and material levels to meet project needs; work from sketches, diagrams, schematics and manuals.

Monitor inventory levels of plant and maintenance equipment and supplies; order, receive and maintain adequate inventory levels of supplies and equipment.

Maintain various records and logs related to inspections, servicing, repairs and assigned activities; prepare mandated reports as required; prepare work orders as needed.

Remain on stand-by as directed.

OTHER DUTIES:

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Practices, procedures and techniques involved in the maintenance, servicing and repair of City wastewater facilities, systems and related equipment.

Troubleshooting and diagnosis of electrical and mechanical problems and malfunctions.

Preventive maintenance practices.

Mechanical and piping systems including valves, pumps, motors and gauges.

Operation of equipment used in wastewater treatment plant maintenance and repair such as meters, probes, IMHOF cone supports, fume hoods, backhoes, loaders and hand and power tools.

Record-keeping techniques.

Technical aspects of field of specialty.

Oral and written communication skills.

Health and safety regulations and procedures.

Proper lifting techniques.

ABILITY TO:

Perform a variety of activities involved in the maintenance, servicing and repair of City wastewater

facilities, systems and related equipment.

Inspect, troubleshoot and diagnose wastewater facility, system and equipment problems and malfunctions.

Repair or replace gauges, pumps, filters and various other controls, parts and equipment as needed.

Maintain process control and perform visual inspections of the wastewater treatment plant.

Perform preventive maintenance on plant processing equipment.

Inspect and repair ultraviolet systems.

Maintain various records related to work performed.

Observe health and safety regulations and procedures.

Understand and follow oral and written instructions.

Work from sketches, diagrams, schematics and manuals.

Communicate effectively both orally and in writing.

Work cooperatively with others.

Perform heavy physical labor.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by college-level course work related to waste water and water treatment and one year experience at the level of a Wastewater Treatment Plant Operator III.

LICENSES AND OTHER REQUIREMENTS:

State of California Wastewater Treatment Plant Operator Grade III certificate.

Valid California driver's license.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment.

Adverse weather conditions.

Noise from equipment operation.

Regular exposure to fumes and odors.

Driving a vehicle to conduct work.

Evening or variable hours and emergency call-out.

PHYSICAL DEMANDS:

Standing and sitting for extended periods of time.

Climbing ladders to inspect equipment.

Dexterity of hands to operate assigned tools and vehicles.

Hearing and speaking to exchange information.

Heavy physical labor.

Seeing to perform repairs.

Lifting, carrying, pushing or pulling moderately heavy objects as assigned by the position.

Bending at the waist, kneeling or crouching to obtain samples.

HAZARDS:

Working around machinery having moving parts.

Working at heights.

Working in confined spaces.

Exposure to methane gas, vapors and odors.

Contact with raw sewage and associated toxic fumes.

Infectious materials from wastewater.

Handling of sulfuric acid, chlorine and other chemicals.