



CITY OF CALEXICO

CLASS TITLE: WASTEWATER TREATMENT PLANT MAINTENANCE WORKER

MONTHLY: \$3,314 - \$4,028

RANGE: G-17

BASIC FUNCTION:

Under the direction of an assigned supervisor, perform a variety of duties in the preventive maintenance and repair of wastewater systems, facilities and related equipment including tasks in plumbing, electrical, mechanical and carpentry work.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:

Perform a variety of duties in the preventive maintenance and repair of wastewater systems, facilities and related equipment including tasks in plumbing, electrical, mechanical and carpentry work; evaluate maintenance, servicing and repair needs; assure safe and proper functioning of wastewater systems and equipment.

Inspect wastewater facility, lift station and mechanical pump equipment and systems such as motors, valves, pumps, tanks and gauges; diagnose and repair mechanical and electrical malfunctions; replace system components as needed; maintain and repair electrical outlets as needed.

Install, maintain, clean and repair water pumps, filters, valves and other plumbing components in wastewater facilities equipment; install, fit and replace pipes; inspect and repair leaks, obstructions and general system failures.

Repair or fabricate articles of wood or related materials for wastewater facilities, structures and fixtures; repair and maintain floors, walls, ceilings and roofs as assigned; apply paint or other protective or decorative material to a variety of surfaces as needed; prepare surfaces for painting.

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

Operate a variety of equipment including man lifts, backhoes, ladders, and hand and power tools; drive a vehicle to conduct work.

Perform welding in the fabrication, repair and installation of metal parts and components as assigned; utilize appropriate welding equipment.

Estimate and assure adequate labor, equipment and material levels to meet project needs; work

October 2006

Ewing Consulting Services

from sketches, diagrams, schematics and manuals.

Maintain various records related to lift stations, materials and work performed.

Maintain assigned areas, equipment and tools in a safe, clean and orderly condition.

Dispose of hazardous materials in accordance with established guidelines and procedures.

OTHER DUTIES:

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Methods, materials and equipment used in the maintenance and repair of City wastewater systems, facilities and related equipment.

Preventive maintenance practices.

Applicable mechanical, electrical, plumbing and painting codes.

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

Operation of equipment used in system maintenance and repair such as man lifts, backhoes, ladders, and various hand and power tools.

Basic 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 duties in the preventive maintenance and repair of wastewater systems, facilities and related equipment including tasks in plumbing, electrical, mechanical and carpentry work.

Inspect facilities, systems and equipment for maintenance and repair needs.

Diagnose mechanical and electrical malfunctions.

Maintain routine 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 and three years experience working with mechanical and electrical equipment maintenance and repairs.

LICENSES AND OTHER REQUIREMENTS:

October 2006

Ewing Consulting Services

Valid California driver's license.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor work environment.
Regular exposure to fumes and odors.
Driving a vehicle to conduct work.

PHYSICAL DEMANDS:

Dexterity of hands to operate assigned tools and equipment.
Standing or standing for extended periods of time.
Seeing to inspect systems and read a variety of materials.
Lifting, carrying, pushing or pulling heavy objects as assigned by the position.
Bending at the waist, kneeling or crouching.
Reaching overhead, above the shoulders and horizontally.
Hearing and speaking to exchange information.
Climbing ladders.
Walking

HAZARDS:

Working around and with machinery having moving parts.
Working in a cramped or restrictive work chamber.
Infectious materials from wastewater.
Working at heights.
Chemical fumes.