

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

WATER RECLAMATION PLANT MECHANIC III

JOB DESCRIPTION

Under general supervision, to perform skilled work involved in the maintenance of water reclamation plant equipment; to inspect, identify, diagnose, replace and repair worn and malfunctioning equipment; and to perform related work as required.

REPRESENTATIVE DUTIES

Provides courteous and expeditious customer service to the general public and city department staffs; organizes, implements and performs preventative maintenance; inspects, identifies, diagnoses, isolates, replaces, realigns and repairs malfunctioning equipment and equipment components of various plant equipment, including small, medium and large stationary diesel, methane and natural gas engines and associated equipment, positive displacement blowers, gear heads and lift pumps, centrifugal blowers, bar screens, axial flow pumps, centrifugal pumps, positive displacement pumps, multiple-stage pumps, chemical feed pumps, valves, check valves, flow gates, compressors, conveyors, belt drying systems, odor scrubbing systems, filter systems, methane gas flare and associated digester flame arrester systems, clarifier drives, clarifier skimmers and blowers, grit classifiers and air dryers; cuts and threads pipe; installs plumbing, fabricates foundations for engines, pumps, motors and blowers and for electrical installations; performs maintenance on plant vehicles and equipment tractors, forklifts, boom trucks, gang-mowers and electric carts, trailer mounted equipment, welding, spraying equipment, generators for lighting and pumping, small engine equipment, lawnmowers, weed eaters, portable pumps and air compressors; properly uses and maintains hand and portable power tools used in the moderately complex installation, repair and construction projects at a reclamation plant; acts as a resource person to Water Reclamation Plant Mechanics I and II; maintains a variety of maintenance records; directs the work of assigned personnel; requisitions supplies and parts; operates Department vehicles; serves in the capacity of leadperson. In the absence of the Water Reclamation Mechanical/Maintenance Supervisor may be assigned temporary duties as supervisor; routinely adheres to and maintains a positive attitude towards City and Department goals, and performs related work as required.

MINIMUM QUALIFICATIONS

Education equivalent to graduation from high school, a minimum of four years experience in the maintenance of: 150 horsepower to 500 horsepower industrial engines, three horsepower to 100 horsepower standby and portable pump internal combustion engines. Also, journeyman level experience in performing extensive mechanical maintenance work and service of centrifugal, positive displacement of air operated pumps; or minimum of two years experience as a Water Reclamation Plant Mechanic II in the San Bernardino Municipal Water Department or equivalent experience at the same level of responsibility in the water or wastewater field. Must possess and maintain a valid Class "C" California Driver's License and maintain a driving record acceptable to the Department's insurance carrier.

NOTE: For Out-of-State applicants, a valid driver's license is required and a valid Class "C" California Driver's license is required within ten (10) days after appointment. (CA Vehicle Code 12405a).

GENERAL QUALIFICATIONS

Knowledge of:

Methods, materials, tools and techniques used to inspect, diagnose, maintain, repair and overhaul a variety of water reclamation plant equipment;
Principles of internal combustion engines, pumps and motors;
Hand and portable power tools and their appropriate uses;
Water reclamation plant equipment;
Water reclamation plant methods;
Record keeping methods;
Preventive maintenance programs;
Appropriate safety precautions and procedures.

Ability to:

Use complex diagnostic instruments and meters;
Make accurate inspection of operating equipment;
Identify malfunctioning equipment;
Diagnose malfunctioning equipment;
Perform moderately heavy physical labor;
Read and write at a level sufficient for job success;
Make arithmetic calculations at a level sufficient for job success;
Understand and apply moderately complex materials;

Use shop tools, including drills, presses, grinders, lathes and power saws;
Organize and implement a preventive maintenance program;
Operate a vehicle observing legal and defensive driving practices;
Lifts and transports materials and supplies weighing up to 50 pounds;
See in normal visual range with or without correction;
Hear in normal audio range with or without correction;
Understand and carry out oral and written instructions;
Establish and maintain effective relationships with those contacted in the course of work.

ORGANIZATIONAL RELATIONSHIPS

The class of Water Reclamation Plant Mechanic III is the journeyman level in the Water Reclamation Plant Mechanic Series. Serves in capacity of Leadperson. Supervision is received from a Water Reclamation Mechanical/Maintenance Supervisor. In the absence of the Water Reclamation Mechanical/ Maintenance Supervisor may be assigned temporary duties as supervisor.