

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

WATER RECLAMATION PLANT MECHANIC II

JOB DESCRIPTION

Under general supervision, to perform semi-skilled work involved in the maintenance of reclamation plant equipment; to inspect, identify, repair and replace 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; performs preventative maintenance; inspects, replaces, realigns and repairs 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 and 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; maintains a variety of maintenance records; directs the work of assigned personnel; requisitions supplies and parts; operates Department vehicles; 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. Two years experience in a mechanical trade or a mechanical apprenticeship program or a minimum of one year experience as a Water Reclamation Plant Mechanic I in the San Bernardino Municipal Water Department or equivalent experience at the same level of responsibility in the water or wastewater fields. 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 12405c).

GENERAL QUALIFICATIONS

Knowledge of:

Principles of internal combustion engines, pumps and motors;
Water Reclamation plant equipment; Water
Reclamation plant methods; Basic
record keeping methods;
Inspection procedures of water reclamation plant operating
equipment;
Removal, repair and replacement of specialized equipment
components;
Appropriate safety precautions and procedures;
Hand and power tools and their appropriate uses.

Ability to:

Make accurate inspections of operating equipment;
Remove, replace and repair specialized equipment and
equipment components;
Identify malfunctioning equipment;
Diagnose reasons for malfunctioning equipment;
Perform moderately heavy physical labor;
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;
Read and write at a level sufficient for job success;
Maintain simple records;
Make simple arithmetic calculations with speed and
accuracy;
Operate a vehicle observing legal and defensive driving
practices;

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 II is the journeyman level in the Water Reclamation Plant Mechanic Series. Supervision is received from a Water Reclamation Plant Mechanic III, or Water Reclamation Mechanical/Maintenance Supervisor's designee.