

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

WATER RECLAMATION PLANT MECHANIC I

JOB DESCRIPTION

Under close supervision, perform unskilled work assisting in the maintenance of reclamation plant equipment; inspect equipment and assist in the replacement and repair of worn and malfunctioning equipment; and perform related work as required.

REPRESENTATIVE DUTIES

Provides courteous and expeditious service to the general public and City department staffs; assists in the preventive maintenance, inspection, replacement, realignment and repair of various plant equipment, including small, medium and large stationary diesel, methane and natural gas engines and associated equipment, positive displacement blowers, gearheads 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 minor maintenance on plant vehicles and equipment, tractors, forklifts, boom trucks, gang-mowers and electric carts, trailer mounted equipment, welding and spraying, 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; as proficiency increases, may perform inspections and perform maintenance work with greater independence; may perform higher level work on assigned projects; operates Department vehicles; and performs related work as required.

MINIMUM QUALIFICATIONS

Graduation from high school or G.E.D. equivalent; and 1 year experience in a mechanical trade or a mechanical apprenticeship program or as a Water Reclamation Plant Maintenance Trainee. Must possess and maintain a valid California 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 12505c)

GENERAL QUALIFICATIONS

Knowledge of:

Basic principles of internal combustion engines, pumps and motors;
Hand and portable power tools and their appropriate uses;
Inspection procedures;
Removal and replacement of parts;
Basic arithmetic;
Appropriate safety precautions and procedures.

Ability to:

Make inspections of operating equipment;
Repair and replace equipment and equipment components;
Perform heavy physical labor;
Read and write at a level sufficient for job success;
Make basic arithmetic calculations;
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;
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 I is the entry and working level in the reclamation plant mechanic series. Supervision is received from a Water Reclamation Maintenance Supervisor and Water Reclamation Maintenance Leadperson.