

PLANT AND EQUIPMENT MECHANIC I
PLANT AND EQUIPMENT MECHANIC II

DEFINITION

To perform a variety of skilled and semi-skilled emergency and scheduled construction, maintenance, repair and service tasks related to equipment used in water and wastewater treatment plant operations and ancillary facilities.

DISTINGUISHING CHARACTERISTICS

Plant and Equipment Mechanic I - This is the entry level class in the Plant and Equipment Mechanic series. Positions in this class typically have little or no directly related work experience and work under immediate supervision while learning job tasks. The Plant and Equipment Mechanic I class is distinguished from the II level by the performance of less than the full range of duties assigned to the II level. Incumbents work under immediate supervision while learning job tasks, progressing to general supervision as procedures and processes of assigned area of responsibility are learned.

Plant and Equipment Mechanic II - This is the journey level class in the Plant and Equipment Mechanic series and is distinguished from the I level by the ability to perform the full range of duties assigned with only occasional instruction or assistance as unusual or unique situations arise. Positions in this class are flexibly staffed and are normally filled by advancement from the I level.

SUPERVISION RECEIVED AND EXERCISED

Plant and Equipment Mechanic I

Receives immediate supervision from an assigned supervisor; and technical and functional supervision from a Senior Plant and Equipment Mechanic.

Plant and Equipment Mechanic II

Receives general supervision from an assigned supervisor; and technical and functional supervision from a Senior Plant and Equipment Mechanic.

EXAMPLES OF ESSENTIAL DUTIES– Duties may include, but are not limited to, the following:

Inspect, maintain and service machinery and equipment including pumps, valves, motors, engines, compressors, and gear reducers.

Operate and maintain a variety of heavy tools and equipment, small hand and power tools; lubricate and weld equipment as necessary.

Perform regularly scheduled preventive maintenance work on plant and pumping station equipment; maintain records of maintenance work done on equipment; disconnect equipment prior to removal.

Assist in construction of special projects, reading and interpreting blueprints and understanding oral instructions.

Machine parts for the repair of equipment using a variety of machine tools including, lathes, mills, grinders, drill presses, and a variety of precision measuring instruments.

Perform minor building maintenance, cleaning and custodial duties in assigned utility facilities; paint utility equipment, keep work area in a neat and orderly condition.

Perform a variety of manual labor tasks, including digging trenches and inserting shoring as needed.

Build and maintain positive working relationships with co-workers, other City employees, and the public using principles of good customer service.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS

Plant and Equipment Mechanic I

Knowledge of:

Uses and purposes of tools and equipment used in general construction and mechanical equipment maintenance and repair; safe work practices.

Handling and practices of hazardous chemicals such as lime, caustic soda, ferric and chlorine sulfur dioxide.

Ability to:

Perform a variety of semi-skilled and skilled complex repairs, maintenance, and service tasks involving pumps and motors.

On a continuous basis, know and understand operations, and observe safety rules. Intermittently analyze problem equipment; identify and locate equipment; interpret work orders; remember equipment location; and explain jobs to others.

Intermittently, sit while studying or preparing reports; bend, squat, climb, kneel and twist when performing installation of equipment; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 40 pounds or less.

Diagnose malfunctions and determine effective courses of action for correcting them.

Use safety precautions related to all work performed including that which occurs in hazardous environments containing toxic waste and poisonous gases; work in confined work areas utilizing a supplied air respirator (SCBA).

Work extended hours in emergency situations, as required.

Communicate clearly and concisely, both orally and in writing.

Establish and maintain effective working relationships with those contacted in the course of work.

Experience and Training

Experience:

Two years of responsible experience performing plant and equipment maintenance duties similar to that of a Plant and Equipment Maintenance Worker II with the City of Roseville.

Training:

Equivalent to completion of the twelfth (12th) grade, GED or higher level degree.

License or Certificate

Possession of a valid California driver's license by date of appointment.

Plant and Equipment Mechanic II

In addition to the qualifications for the Plant and Equipment Mechanic I:

Knowledge of:

Standard operating practices and procedures of skilled plant and equipment mechanical work associated with construction, maintenance, repair and service of equipment related to water and wastewater operations.

Ability to:

Independently perform a variety of skilled complex repairs, maintenance, and service tasks involving pumps and motors.

Experience and Training

Experience:

Two years of responsible experience performing duties similar to that of a Plant and Equipment Mechanic I with the City of Roseville

Training:

Equivalent to completion of the twelfth (12th) grade, GED or higher level degree.

License or Certificate

Possession of a valid California driver's license by date of appointment.

04-19-18

04-15-06 Plant & Equipment Mechanic I/II

12-13-04

03-11-03

5-01-02 Plant & Equipment Maintenance Worker I/II/Mechanic