

SENIOR PLANT AND EQUIPMENT MECHANIC

DEFINITION

To organize, assign and review the work of assigned personnel engaged in construction, maintenance, repair and service tasks related to equipment used in water and wastewater treatment plant operations and ancillary facilities; to perform duties requiring specialized knowledge; and to provide administrative support to assigned supervisor.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey level in the Plant and Equipment Mechanic series. Positions at this level are distinguished from other classes within the series by the level of responsibility assumed, complexity of duties assigned, independence of action taken, by the amount of time spent performing the duties, and by the nature of the public contact made. Employees perform the most difficult and responsible types of duties assigned to classes within this series, including providing technical and functional supervision over assigned personnel and perform technically complex duties related to plant and equipment maintenance. Employees at this level are required to be fully trained in all procedures related to assigned areas of responsibility.

SUPERVISION RECEIVED AND EXERCISED

Receives direction from an assigned supervisor.

Exercises technical and functional supervision over assigned technical staff.

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

Plan, prioritize, and review the work of staff assigned 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..

Develop schedules and methods to accomplish assignments ensuring work is completed in a timely and efficient manner.

Participate in evaluating the activities of staff, recommending improvements and modifications.

Provide and coordinate staff training; work with employees to correct deficiencies.

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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.

Check on methods used by mechanics to ensure adherence to safety guidelines; ensure that protective devices and equipment are used when necessary; conduct safety tailgate meetings and monitor safe working habits of assigned staff.

Perform the most difficult work related to maintaining, repairing and servicing equipment used in water and wastewater treatment plant operations and ancillary facilities

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

Knowledge of:

Principles and practices of technical and functional supervision and training.

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.

Approved methods, materials and tools used in general construction and mechanical equipment maintenance and repair; safe work practices.

Local, State, and Federal codes, regulations, and laws pertaining to water and wastewater equipment, maintenance and safety.

Department policies and procedures.

Ability to:

Provide technical and functional supervision over assigned staff; effectively train staff.

Perform the most complex duties related to construction, maintenance and repair of water and wastewater equipment.

On a continuous basis, know and understand construction and maintenance activities and observe safety rules; intermittently, analyze problem equipment; identify safety hazards; locate equipment; interpret work orders; operate equipment; and explain jobs to other employees.

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

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).

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

Read and interpret sketches, blueprints and diagrams and modify as necessary to complete the work.

Work assigned shift schedules; be available for call-back and on-call assignment; 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

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Any combination of experience and training that would provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

Experience:

Three (3) years of responsible journey experience performing duties similar to a Plant and Equipment Mechanic II with the City of Roseville.

Training:

Equivalent to completion of the twelfth grade.

License and Certificate

Possession of, or ability to obtain, a valid California driver's license.

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