

WATER PLANT MAINTENANCE MECHANIC

DISTINGUISHING FEATURES OF THE CLASS: This job classification involves a high level mechanical skill set associated with the Water Treatment Plant, its infrastructure and all equipment utilized in the process and daily operations of the facility. The work includes but is not limited to, performing difficult and technical repair and preventative maintenance work on: pumps, valves, tanks, mixers, chemical process equipment, electric motors, small engines, water piping, plumbing, heating systems, instrumentation, etc. Work also involves routine interior and exterior maintenance of the building and all associated structures (ie. Pump stations, PRV sites and other remote locations). Work is performed under the general supervision of the Maintenance Supervisor, Chief Water Plant Operator and Facilities Manager with leeway allowed for the use of independent judgment in planning and carrying out the details of the work. Water Plant Maintenance Mechanics shall demonstrate the ability to make proper decisions and repairs in the event of emergency or any event that might inhibit the process and production of clean, safe, potable, drinking water. Supervision is exercised over the work of repair and maintenance personnel.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

- Supervises and participates in the repair and maintenance of pumps, valves, motors, chemical feed machines, filters, mixing machines and other water treatment plant equipment;
- Supervises and participates in minor building repair work including plumbing, carpentry, masonry, painting, windows, doors, mechanical and fixture work;
- Performs preventative maintenance work on plant buildings, remote locations and all related equipment by periodically inspecting and conducting repairs as necessary;
- Maintains an inventory of tools, equipment and spare parts;
- Keeps records on all maintenance and repair work performed;
- Participates in the training of new employees in processes, methodologies, policies and procedures associated with the maintenance mechanic classification; Reads and interprets drawings as related to buildings, equipment and other related appurtenances;
- Works to develop preventive maintenance daily, weekly, monthly, annual routines;
- Performs related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:

- Good knowledge of the methods, materials, tools, equipment and procedures used in the repair and maintenance of a Water Treatment Plant and its equipment;

- Good knowledge of machinery and equipment maintenance and repair;
- Skill in the operation of manual and power tools;
- Ability to supervise the work of others;
- Ability to work from plans and specifications;
- Ability to work alone or as a team with other mechanics or operators;
- Ability to follow oral and written directions;
- Ability to recognize working conditions and promote safety during all operations;
- Ability to lift 50 pounds;
- Ability to demonstrate physical dexterity and have the ability to turn, move, shift, walk, etc., in all directions;
- Ability to work in vaults, on rooftops, in small spaces, in wet environments, around rotating gear and other process/chemical equipment and any other location or condition associated with the water treatment facility and its related remote locations;
- Ability to climb stairs, ladders, etc., to heights of 50 feet;
- Ability to work in all weather conditions including but not limited to extreme cold, snow, ice, heat, rain, wind, etc.;
- Ability to work indoors and outdoors in physically demanding locations in daylight or nighttime based on situational emergencies and callout events;
- Mechanical aptitude;
- Dependability;
- Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- A. Graduation from high school or possession of a high school equivalency diploma and two (2) years fulltime paid experience in the repair and maintenance of water treatment plant equipment on a skilled level; OR
- B. Graduation from high school or possession of a high school equivalency diploma and three (3) years fulltime paid experience in the repair and maintenance of mechanical equipment on a skilled level; OR
- C. Any equivalent combination of training and experience as defined by the limits of (A) and (B) above.

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