

The University of Akron
Classification Specification

Job Title: Water Treatment Specialist
Job Function: Staff
Job Family: Bargaining Unit
SOC Description: 5000 Facilities Management Division

Job Code: 95006
Grade: 05
FLSA: Non-Exempt
Date: 7/12

Job Summary:

Monitor and maintain water treatment plant machines, condensate lines, high temp hot water lines and related equipment. Conduct laboratory tests and add treatment chemicals. Maintain appropriate records and reports.

Essential Functions:

40% Monitor automated treatment control system. Read meters and gauge record readings such as pressure readings, temperatures and flow rates (i.e. gallons/hour), check cooling tower for algae growth and monitor water levels.

40% Collect samples and conduct laboratory tests (e.g. hardness, ph, chlorides, alkalinity, and dissolved oxygen) on cooling tower water, heating and chilling water and condensate lines. Apply chemicals and other additives (e.g. sludge conditioners, antifoulant dispersants, liquid corrosion and deposit inhibitors, algae, slime, sulfate, and bacteria inhibitors).

10% Maintain, lubricate and repair water treatment machines and equipment; check cooling towers, piping and pumps for leaks. Install and repair valves, pipe fittings, chemical feed pumps, meters and related equipment.

10% Maintain and repair water softeners. Monitor salt levels and add salt as needed. Backwash filters on a regular basis.

Maintain complete records and prepare reports on tests performed, chemicals used, repairs and maintenance performed and other observations or duties performed. Submit weekly reports to supervisor and outside labs. Drive vehicles to pick up and deliver materials and personnel. May train and lead students or employees. Perform related duties as assigned by Supervisor.

Education:

Requires high school diploma or GED.

Licenses/Certifications:

Valid Ohio Driver's License.

Experience:

Requires a minimum of 1 year of maintenance experience or related experience which provides comparable knowledge, skills or abilities. Ability to learn methods of testing water samples required. Skill in maintenance of water treatment machines and related equipment required. Ability to demonstrate mechanical aptitude required. Ability to recognize threatening or unusual conditions and take appropriate actions required. Ability to classify information according to established methods. Required. Ability to identify pairs of items that are the same or different required. Skill in use of hand and power tools required. Ability to maintain accurate records required. Ability to demonstrate physical dexterity required. Knowledge of appropriate safety practices required. Ability to perform basic mathematics (e.g. add, subtract, multiply and divide whole numbers, fractions, decimals and calculate percentages required. Ability to read (e.g. data sheets), write (e.g. testing reports), and accurately follow oral and written instructions required.

Leadership:

Provide guidance to nonexempt staff including general scheduling, assigning tasks and monitoring the work of others, as assigned by the Supervisor.

Physical Requirements:

Must be able to lift 80 pounds without assistance and demonstrate bending, crouching and lifting. Must be able to climb a ladder, scaffolding and work on rooftops.

Working Conditions:

Routine exposure to heat, cold, moisture/wetness, inclement weather, noise, air pollution and heights. May involve exposure to chemical substances, hazards and moving parts. Work schedule is subject to change in accordance with University needs and/or

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the results of the shift line-up process. Overtime/Call-ins may be mandatory based on University need.

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