



WATER SYSTEMS TREATMENT OPERATOR

BASIC FUNCTION

Under the direction of an assigned supervisor, the Water Systems Treatment Operator performs technical and skilled duties to operate, maintain, diagnose, and repair the water systems, wastewater treatment plants, and swimming pool.

DISTINGUISHING CHARACTERISTICS

Incumbents in this classification perform the full range of journey-level technical duties involved in the operation, maintenance, inspection, monitoring, and repair of water systems, wastewater treatments plants, swimming pools, and fountains. Incumbents monitor and ensure all Federal, State, County, and local requirements and standards are met and maintained.

ESSENTIAL DUTIES & RESPONSIBILITIES

The following duties and responsibilities describe the general nature and level of work being performed. It is not intended to be restricted or construed as an exhaustive list of all duties and responsibilities required of individuals so classified, and not all duties listed are necessarily performed by each employee in this classification.

1. Operate, maintain, inspect, monitor, diagnose, repair, install, and replace water systems and wastewater treatment plant equipment and components including pumps, filters, valves, lines, switches, gauges, meters, reservoirs, storage tanks, electrical controls, blowers, lift stations, belts, and motors. Report and mitigate safety hazards.
2. Recommend water systems and wastewater treatment plant alterations or improvements, and design, construct, fabricate, install, and oversee work as assigned.
3. Develop, implement, and maintain a preventative maintenance schedule for all water systems, wastewater treatment, and swimming pool equipment and components.
4. Monitor, test, adjust, treat, and remediate water as necessary to ensure turbidity, pH balance, biochemical oxygen demand, residue, suspended solids, monitored metals, temperature, pressure, flow rate, taste, color, alkalinity, hardness, and other factors are within applicable limits or specifications.

5. Prepare, collect, maintain, report, file, submit, distribute, and keep records of samples, logs, reports, testing results, and data for water systems, wastewater treatment, and pool metrics.
6. Maintain, clean, monitor, test, adjust, and repair the swimming pool and fountain water, equipment, and components, ensuring efficient, clean, sanitary, and safe conditions.
7. Operate, maintain, and repair tools, equipment, and machinery used in water systems, wastewater treatment, and pool monitoring, operation, and maintenance.
8. Prepare estimates, order, and ensure adequate materials, supplies, and equipment are stocked.
9. Train and provide work direction to student employees and trainee staff as assigned.
10. Perform job-related duties as assigned.

QUALIFICATIONS

Knowledge Of:

- Methods, materials, and processes used in performing water systems and wastewater treatment plant operation, maintenance, diagnostics, and repairs.
- Methods, materials, and processes related to wastewater treatment and disposal.
- Techniques, procedures, and equipment used to monitor water.
- Laws, regulations, and ordinances related to water quality, testing, and treatment.
- Record keeping and reporting techniques.
- Safe operation of equipment, handling of hazardous materials, and the use of personal protective equipment (PPE).

Skills and Abilities To:

- Operate systems and equipment according to established procedures and standards.
- Read and understand diagrams, specifications, and operating manuals.
- Collect and analyze data for laboratory and chemical analysis.
- Gather, report, and maintain records ensuring regulatory compliance.
- Work cooperatively with others.
- Provide work direction to others as assigned.
- Work independently with minimal supervision.
- Demonstrate a commitment to diversity, equity, inclusion, and accessibility.

Education and Experience:

Any combination of education and experience equivalent to graduation from high school and college-level coursework in basic science, chemistry, or related discipline; and two (2) years of experience in water and wastewater treatment.

Certificates, Licenses, Special Requirements:

Certification by the State of California as a Wastewater Treatment Plant Operator II, Distribution Operator II, and Water Treatment Operator II, or the ability to obtain certification within six (6) months of employment as a trainee under a qualified employee or consultant.

Certain assignments may require a valid California driver's license and the ability to maintain insurability under the district's vehicle insurance program.

Other Requirements:

Imperial Community College is committed to creating an academic and work environment that fosters diversity, equity, and inclusion and equal opportunity for all, and ensures that students, faculty, management, and staff of all backgrounds feel welcome, included, supported, and safe. Our culture of belonging, openness, and inclusion makes our district a unique and special place for individuals of all backgrounds. It is important that our employees' values align with our District's mission and goals for Equal Opportunity, Diversity, Equity, Inclusion, and Access.

WORKING CONDITIONS

Work Environment:

Duties are performed indoors and outdoors. Exposure to chemicals, fumes, dirt, and other contaminants occasionally. Exposure to elevated noise levels occasionally.

Physical Demands:

Work is performed primarily while sitting or standing for long periods of time in a laboratory or outdoor environment. Work may require walking at a normal pace; reaching and stretching with the arms; and grasping, holding, reaching and twisting with the hands. Lifting and carrying up to 50 pounds. Stooping, bending, kneeling, and reaching. Use of a ladder or steps to 20 feet occurs occasionally.

Vision: See in the normal visual range with or without correction. Hearing: Hear in the normal audio range with or without correction.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this classification.

Mental Demands:

Classification: Water Systems Treatment Operator/ Range: 29 / FLSA Status: non-exempt
Date Revised: August 2023 / Date Approved:

Work independently under normal stress to problem solve, make decisions, and meet deadlines.