



DETROIT WATER AND SEWERAGE DEPARTMENT

JOB POSTING

735 Randolph - Suite 2000
DETROIT, MI 48226

OPEN COMPETITIVE

Please read entire document before starting your application

Job Category: Technician
Title: Water Technician
Minimum Salary: \$32,412
Open Date: June 9, 2015

Recruitment Unit: Water Supply Operations
Vacancies: 9
Maximum Salary: \$68,200
Close Date: Open Until Filled

GENERAL SUMMARY:

The Water Technician performs duties in water plant operations including chemical analysis and treatment, process operation and maintenance of plant equipment.

REQUIRED EDUCATION AND EXPERIENCE (position requirements at entry)

- Associate's degree in science, chemistry, chemical engineering or a related field
- Minimum of one (1) year of general laboring, treatment plant operations, mechanical maintenance and repair, facilities maintenance or electrical repair work or equivalent training in a related field
- Michigan F4 license within two (2) years of Level 1 designation
- Meet all of the requirements to advance to Water Technician Level 2 within one (1) year of obtaining Michigan F4 license

ESSENTIAL JOB FUNCTIONS

(Illustrative only, may not include all of the duties listed nor do the listed examples include all of the tasks)

- Operate basic water treatment plant equipment and processes to continually monitor plant-wide operations.
- Take equipment and process readings at various locations throughout the plant.
- Load and unload chemicals, polymers, and other materials manually and using motorized equipment.
- Collect and perform tests on water samples.
- Perform preventative maintenance on plant equipment.
- Maintain various records and prepare reports.
- Perform shift work which includes all day, afternoon, night, weekend and holiday assignments.
- Wear personal protective equipment (PPE).
- A valid Michigan Driver's License and the ability to drive a motor vehicle on all terrain.
- Follow security and safety policies and procedures in carrying out work duties.
- Provide on the job training.

RELATED JOB FUNCTIONS:

- Regularly inspect the working condition and maintain the cleanliness of equipment and surrounding areas.
- Clean light fixtures, replace lamps and bulbs.
- Communicate problems to team leader or members.
- Assist with clearing snow in emergency situations.
- Conduct plant tours and deliver other presentations as needed.
- Perform related work duties as assigned.

SUPERVISION EXERCISED:

The Water Technician – Level 4 may be required to perform team coordination activities within the functional unit.



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KNOWLEDGE OF:

- Various stages of water treatment: low lift pumping, chemical feed systems, flocculation and sedimentation, ozonation, filtration, chlorination, high lift pumping and residuals processing
- Methods, tools and materials used in buildings and grounds maintenance and repair work
- Occupational hazards and safety precautions of facility maintenance and repair
- Methods, tools and materials used in the diagnosis, repair and maintenance of plant equipment
- Equipment, operations, practices and safety precautions relevant to the treatment and disposal of water

SKILL TO:

- Monitor automated control systems, query and generate work orders
- Maintain various databases and automated records
- Take accurate measurements and keep clear and organized records
- Use and care of a variety of hand, power, pneumatic and motorized tools to perform facility and equipment maintenance and repair work
- Use basic technology

ABILITY TO:

- Effectively monitor and coordinate water plant operational activities
- Accurately read gauges charts and meters
- Analyze, diagnose and perform corrective action on DCS alarms
- Effectively utilize appropriate security and safety equipment and procedures
- Maintain regular and reliable attendance
- Make arithmetic computations
- Read and interpret schematics
- Communicate effectively, both verbally and in writing
- Understand and follow verbal and written instructions
- Establish and maintain effective working relationships with others
- Communicate frequently with the team members and other units across the Department about process, equipment or potential problems
- Develop proficiency in unit specific operations and software
- Direct team activities or to work as a team member

Physical Requirements:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential duties.

This position requires the ability to climb, bend, twist, carry, stack, hit, push, pull and other efforts requiring considerable physical strength. This position also requires the ability to lift a minimum of fifty (50) pounds, walk, stand, or work for long periods of time, demonstrate normal color perception, hear audible alarms, detect abnormal equipment sounds, visually inspect equipment and processes at any time of the day or night. Employees will be required to wear respiratory protection and other personal protective equipment; perform scaffold, confined space, elevated and underground work. Employees will also be required to pass a bio-mechanical physical and vision test, yearly baseline physical and fit test for respirator/Self Contained Breathing Apparatus. While performing the duties of this position, employees are regularly required to use hands to handle, feel or operate equipment.



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Environmental Working Requirements:

Work is performed at the plants. This position requires the ability to work in all conditions involving exposure to outside elements and seasonal weather.

Work may be performed near open water, systems with hazardous chemicals that are acidic, highly corrosive, heat producing and potentially explosive. The noise level in this work environment is usually loud. Work may be performed in confined spaces, hazardous areas that require respiratory protection and personal protective equipment (PPE), and under slippery and wet conditions.

Other Requirements

Valid Michigan Driver's License

Ability to work irregular hours, to commute to DWSD facilities and work sites

Comments

The Detroit Water and Sewerage Department is an Equal Opportunity Employer.

Please Note: Employment with the Detroit Water and Sewerage Department has been set apart from the established employment processes of the City of Detroit.

THE WAY WE WORK

The Employees of DWSD....

- Work and accept responsibility to search for, create and execute new and innovative approaches to improve the performance of DWSD's services and objectives
- Assist external and internal customers to serve their needs and take responsibility for continuously improving customer service
- Foster meaningful interaction among people through the exchange of information to produce understanding
- Continuously develop and use effective strategies and interpersonal styles to engage and guide others towards the accomplishment of identified objectives and goals in the best interest of the City and community
- Consistently work toward the common good of the organization and encourage others to do the same
- Conduct themselves at all times in a professionally appropriate and respectful manner in accordance with the DWSD Common Behaviors
- Apply the proper safety/security practices according to established protocols, guidelines and policies

Please submit an employment application, letter of interest and resume for this position to:

**Detroit Water & Sewerage Department
Attn: Karen Darty, Human Resources Generalist
735 Randolph, Suite 2001, Detroit, MI 48226**

The Employment Application can be found on DWSD's Website:

http://www.dwsd.org/pages_n/careers.html