

Water Plant Instrumentation Specialist

Milwaukee Water Works, Department of Public Works

PURPOSE: Independently installs, repairs, services and calibrates to specification, and performs preventive maintenance of plant process instrumentation essential to the operation of the plants and production of high quality water.

NOTE: This position is subject to call-in for water system emergencies, 24 hours per day.

ESSENTIAL FUNCTIONS:

- Install, repair, service, calibrate to specification, and perform preventive maintenance of plant process instrumentation that generates data used for documenting regulatory compliance and process control, instrumentation includes turbidity meters, particle counters, and pH meters, ultrasonic level indicators and readouts, telemetering, transmitting and receiving/recording equipment, flow meter equipment, and on-line analyzers associated with the following chemicals: ozone, oxygen, alum, fluoride, sodium hypochlorite, phosphoric acid, ammonia.
- Interpret and utilize electrical, electronic, pneumatic, and control schematics and technical data supplied with instruments relative to their ranges and calibration curves.
- Use related test equipment and methods and software applications to diagnose system problems and locate malfunctioning equipment.
- Install, repair, service and calibrate to specification bench top laboratory quality control instrumentation.
- Use computerized Maintenance Management System for maintaining records of preventive and demand maintenance requests.
- Maintain equipment repair logs and system status reports.
- Recommend items for and levels of inventory to maximize workplace efficiency and reduce "down time".
- Independently research and order parts from vendors to complete tasks.
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- Perform other related duties as assigned.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. Associate's Degree in Electronics Technology from an accredited college or technical college and one year of experience in the electronics technology field diagnosing and repairing process control equipment as an Electronics Technician, Instrument Repair Technician, Instrumentation Specialist or similar title.

OR

Three years in the electronics technology field diagnosing and repairing process control equipment as an Electronics Technician, Instrument Repair Technician, Instrumentation Specialist or similar title.

NOTE: A State of Wisconsin Surface Water Treatment Operator's Certification is desirable.

Equivalent combinations of education and experience may also be considered.

2. Valid Driver's License at time of appointment and throughout employment.
3. Medical and physical certification for use of SCBA (Self-Contained Breathing Apparatus) equipment at the time of appointment and throughout employment.
4. Residence in the City of Milwaukee within 6 months of appointment and throughout employment.

KNOWLEDGE, SKILL, AND OTHER ABILITY REQUIREMENTS:

- Knowledge and skills in advanced digital and analog electronics.
- Basic computer literacy in Windows and office applications.
- Ability and skill in reading schematics, process and instrumentation drawings.
- Good interpersonal and written and oral communication skills.
- Ability to set up and use computer software for diagnostic and calibration applications.
- Ability to use computer assisted maintenance programs.
- Good manual dexterity and ability to work in confined spaces, in all weather conditions, and in close proximity to hazardous chemicals.
- Ability to take initiative and use creative approaches to solving instrumentation problems.
- Ability to lift or transfer loads of twenty pounds or more on a regular basis.

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THE CURRENT PAY RANGE (281) IS: \$46,607to \$53,328 annually with excellent benefits.

THE SELECTION PROCESS will be job related and will consist of one or more of the following: training and experience evaluation; written, oral or performance tests; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **November 28, 2011**. Receipt of applications may be discontinued at any time after this date without prior notice, however, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified by mail of the date, time and place of the examination.

APPLICATIONS and further information may be obtained from www.milwaukee.gov/jobs or in person or via mail from City of Milwaukee Department of Employee Relations, Room 706, City Hall, 200 East Wells Street, Milwaukee WI 53202-3554, by calling 414.286.3751.

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