

Senior Instrument Technician (SRIT) or Instrument Technician (IT)

Location: 4612 Beecher Rd, Flint, MI 48532

Applications are required for consideration for this position. Resume Submission alone is not an application for a position. An individual **must** complete our standard application form and provide proof of certificates and licenses required for the posted position.

There is one (1) opening for a Senior Instrument Technician (SRIT) or an Instrument Technician (IT) at Genesee County Water and Waste Services in Flint, MI.

Duties include:

SRIT: Is in charge of electrical and instrumentation projects at locations throughout the Division. Responsible for training lower-level Instrument Technicians throughout the Division. Responsible for the installation, maintenance, repair and calibration of electrical equipment, controls and instrumentation in the water treatment plant, water distribution system, sewer collection system, and wastewater treatment plants. May be required to work at and report to various locations throughout the Division. Employer reserves the right to assign and reassign the employee's location as necessary.

IT: Performs or assists a wide variety of skilled electronic and electric work involving the installation, calibration, maintenance, and repair of water and wastewater systems, networks, and treatment facilities and related equipment.

SENIOR INSTRUMENT TECHNICIAN (SRIT) MINIMUM QUALIFICATIONS

1. Must possess and continuously maintain a valid MI driver's license, as well as qualify to drive a Division vehicle in compliance with the Division Driver Policy.
2. Must have the ISA CCST Level 1 Certification
3. Graduation from High School or equivalent G.E.D.
4. Must have an Associate's Degree in Instrumentation Technology, Electrical Technology, Industrial Automation, or a related area as approved by the Employer; a Bachelor's degree is preferred. If related area of degree is not in the categories listed must provide proof of 40 hours of relevant technical coursework (electrical, electronic programming or instrumentation).
5. Must have a minimum of 5 year's instrumentation and electronics experience in a large manufacturing, commercial or utility facility, providing broad areas of experience and expertise in the electrical and instrumentation fields.
6. Must be able to work in confined spaces and outdoors under varying climatic conditions.
7. Must be able to walk over rough terrain and climb ladders and stairs.
8. Must be able to lift a minimum of seventy-five (75) pounds.
9. Must have color vision.

INSTRUMENT TECHNICIAN (IT) MINIMUM QUALIFICATIONS

1. Must possess and continuously maintain a valid MI driver's license, as well as qualify to drive a Division vehicle in compliance with the Division Driver Policy.
2. Must be able to work in confined spaces and outdoors under varying climatic conditions.
3. Must be able to walk over rough terrain and climb ladders and stairs.
4. Graduation from a high school or equivalent G.E.D.
5. Must be able to lift a minimum of seventy-five (75) pounds.
6. Must have color vision.

BENEFITS:

- 100% Employer paid Health Care
- Defined Benefit Pension Plan

WAGE SCALE:

SENIOR INSTRUMENT TECHNICIAN (SRIT) PAY SCALE & REQUIREMENTS

- U-8 SENIOR 1: Must meet all minimum qualifications. If an internal candidate must have a minimum of 3 years' experience as a U-7 Instrument Technician at GCDWCWS. If external candidate must have 5+ years of experience.
- U-9 SENIOR 2: Must meet U-8 requirements. Must have the ISA CCST Level 2 Certification. Must have a minimum of 10 years' instrumentation and electronics experience in a large manufacturing, commercial, or utility, providing broad areas of experience and expertise in the electrical and instrumentation fields. If internal must have a minimum of 3 years' experience as U-8 Instrument Technician at GCDWCWS.

INSTRUMENT TECHNICIAN (IT) PAY SCALE & REQUIREMENTS

- U-5 ENTRY LEVEL: No certification required. Must be able to pass entrance exam. Must be ISA CCST exam eligible in 5 years. Employees at this wage level cannot provide specifications and cost estimates on various projects for improvements to treatment facilities, water distribution and wastewater collection systems. Employees at this wage level cannot provide training to other Union staff as directed by the Employer.
- U-6 TRAINED: Must meet U-5 requirements. Must have proof of 40 hours of relevant technical coursework (electrical, electronic, programming, instrumentation related) or one (1) years' successful experience. Must be ISA CCST exam eligible in 4 years.
- U-7 DEGREE: Must meet U-6 requirements. Must have an Associate's degree in a relevant technical field from an accredited college or university. Must have a minimum of 2 years' instrumentation and electronics experience in a large manufacturing, commercial, or utility facility, providing broad areas of experience and expertise in the electrical and instrumentation fields.

2026	START	6 mo	1 yr	2 yr	3 yr	4 yr	5 yr	7 yr	12 yr	17 yr
U-5	\$28.46	\$29.50	\$30.02	\$30.54	\$31.06	\$31.58	\$32.62	\$33.39	\$34.19	\$35.23
U-6	\$30.02	\$31.06	\$31.58	\$32.10	\$32.62	\$33.14	\$34.39	\$34.96	\$35.75	\$36.79
U-7	\$31.58	\$32.62	\$33.14	\$33.66	\$34.18	\$34.70	\$35.96	\$36.52	\$37.31	\$38.35
U-8	\$35.02	\$36.06	\$36.58	\$37.10	\$37.62	\$38.14	\$39.39	\$39.95	\$40.75	\$41.79
U-9	\$38.44	\$39.48	\$40.00	\$40.52	\$41.04	\$41.57	\$42.82	\$43.38	\$44.18	\$45.22

Applications shall be mailed to:
Genesee County Water and Waste Services, Attn: HR
4610 Beecher Rd, Flint, MI 48532
Applications can be e-mailed to: hr@gcdcwws.com

Position open until filled
Applications must either accompany or follow resume submission

NO PHONE CALLS. EEO.

SENIOR INSTRUMENT TECHNICIAN

Created on 10.14.2025

MINIMUM QUALIFICATIONS

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3. Graduation from High School or equivalent G.E.D.
4. Must have an Associate's Degree in Instrumentation Technology, Electrical Technology, Industrial Automation, or a related area as approved by the Employer; a Bachelor's degree is preferred. If related area of degree is not in the categories listed must provide proof of 40 hours of relevant technical coursework (electrical, electronic programming or instrumentation).
5. Must have a minimum of 5 year's instrumentation and electronics experience in a large manufacturing, commercial or utility facility, providing broad areas of experience and expertise in the electrical and instrumentation fields.
6. Must be able to work in confined spaces and outdoors under varying climatic conditions.
7. Must be able to walk over rough terrain and climb ladders and stairs.
8. Must be able to lift a minimum of seventy-five (75) pounds.
9. Must have color vision.

GENERAL STATEMENT OF DUTIES

Is in responsible charge of electrical and instrumentation projects at locations throughout the Division. Responsible for training lower-level Instrument Technicians throughout the Division. Responsible for the installation, maintenance, repair and calibration of electrical equipment, controls and instrumentation in the water treatment plant, water distribution system, sewer collection system, and wastewater treatment plants. May be required to work at and report to various locations throughout the Division. Employer reserves the right to assign and reassign the employee's location as necessary.

STATEMENT OF TASKS

- Leads and coordinates installing, calibrating, field testing, maintaining, troubleshooting and repairing instrumentation, communication, control, computer, SCADA and electronic systems and equipment including remote terminal units and PLC;s.
- Assists in the development of preventative maintenance procedures to monitor equipment and ensure early detection of potential equipment problems.
- Makes recommendations and evaluations of communication, computer, instrumentation, and electrical systems on various projects.
- Provides specifications and cost estimates on various projects for improvements to treatment facilities, water distribution and wastewater collections systems.
- Creates long and short-term electrical and instrumentation master plan studies for water distribution, wastewater collection, treatment facilities, communication, instrumentation and computer systems.
- Updates and maintains current as-built drawings of electrical and instrumentation upgrades.
- Assembles and correlates data and prepares reports needed for operational areas and planning purposes.
- Coordinates between operations, engineering, contractors and others to facilitate project completion.
- Reviews studies and reports for Division wide electrical and instrumentation consistency. Reviews and coordinates with electrical and instrumentation maintenance needs with appropriate staff and supervision.
- Assists in development of Capital Investment Plans and project proposals

REVISED 10.14.2025

- Verifies quality of preventative electrical and instrumentation maintenance procedures, predictive maintenance techniques, and corrective equipment repair methods.
- Reviews plans and specifications of proposed facilities for potential impacts to electrical and instrumentation equipment, systems or operations. Identifies and recommends modifications to existing systems and equipment.
- Acts as Project Manager; plans, coordinates, and conducts projects within area of responsibility, including monitoring scope, quality, budget and schedule.
- Must respond to emergencies.
- Performs special projects and studies or any other duties as assigned.
- Maintaining and installing control, computer, phone, fiber optic and various network systems.
- Assures compliance with all applicable standards and codes.
- Leads and trains, conducts skills assessment and recommends training. Provides training to other Union staff as directed by the Employer
- Responsible for inventory and purchasing of equipment and parts as needed.

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge of electrical investigative and analytical techniques, including familiarity with electrical safety.
- Knowledge of math and algebra.
- Knowledge of computer systems, control systems and relevant software.
- Ability to install, diagnose, repair, calibrate, and troubleshoot electrical, communication, control, computer, video, TV and instrumentation systems.
- Ability to perform electrical computations, assist in project design and development plans and specifications.
- Ability to perform, prepare, present, and discuss information effectively, both in oral and written form.
- Ability to establish and maintain effective working relationships with employees, engineers, supervisors, and contractors.
- Ability to deal with other agencies and the general public in a courteous and effective manner.
- Ability to organize, conduct and evaluate studies and investigations.
- Ability to read and interpret blueprints and electrical drawings.
- Ability to communicate effectively, both orally and in writing.
- Ability to use electric and pneumatic power tools and hand tools and analytical equipment and instruments.
- Knowledge of standard safety practices and mandatory safety regulations.
- Knowledge of electronics fundamentals, SCADA, communication network and protocols, PLCs, voice and communication systems, audio and video equipment, VFD's and soft starters and motor control circuits.

PAY SCALE & REQUIREMENTS:

- U-8 SENIOR 1: Must meet all minimum qualifications. If an internal candidate must have a minimum of 3 years' experience as a U-7 Instrument Technician at GCDC-WWS. If external candidate must have 5+ years of experience.
- U-9 SENIOR 2: Must meet U-8 requirements. Must have the ISA CSST Level 2 Certification. Must have a minimum of 10 years' instrumentation and electronics experience in a large manufacturing, commercial, or utility, providing broad areas of experience and expertise in the electrical and instrumentation fields. If internal must have a minimum of 3 years' experience as U-8 Instrument Technician at GCDC-WWS.

INSTRUMENT TECHNICIAN

Revised 9.22.2025 Effective 10.20.2025

MINIMUM QUALIFICATIONS

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GENERAL STATEMENT OF DUTIES

Performs or assists a wide variety of skilled electronic and electric work involving the installation, calibration, maintenance, and repair of water and wastewater systems, networks, and treatment facilities and related equipment.

STATEMENT OF TASKS

- Installs, calibrates, maintains and repairs instrumentation, communication and electronic systems and equipment.
- Makes recommendations and evaluations of communication, computer, instrumentation, and electrical systems on various projects.
- Assists in providing specifications and cost estimates on various projects for improvements to treatment facilities, water distribution and wastewater collections systems.
- Assists in long and short-term master plan studies for water distribution, wastewater collection, treatment facilities, communication and computer systems.
- Updates and maintains current as-built drawings of electrical and instrumentation upgrades.
- Assembles and correlates data and prepares reports needed for operational areas and planning purposes.
- Responds to emergencies.
- Performs special projects and studies.
- Troubleshoots, adjusts, calibrates, maintains and repairs instrumentation components and associated equipment.
- Maintains gas detectors and atmospheric monitoring equipment.
- Installs and maintains computer, phone, fiber optic and various network systems.
- Assures compliance with all applicable standards and codes.
- Provides training to other Union staff as directed by the Employer

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge of electrical investigative and analytical techniques, including familiarity with electrical safety.
- Knowledge of basic math and algebra.
- Knowledge of computer systems and relevant software.
- Ability to install, diagnose, repair, calibrate, and troubleshoot electrical, communication, computer, video, TV and instrumentation systems.
- Ability to perform electrical computations, assist in project design and development plans and specifications.
- Ability to perform, prepare, present, and discuss information effectively, both in oral and written form.
- Ability to establish and maintain effective working relationships with Employees, engineers, supervisors, and contractors.
- Ability to deal with other agencies and the general public in a courteous and effective manner.
- Ability to organize, conduct and evaluate studies and investigations.
- Ability to read and interpret blueprints and electrical drawings.
- Ability to communicate effectively, both orally and in writing.
- Ability to use electric and pneumatic power tools and hand tools and analytical equipment and instruments.
- Knowledge of standard safety practices and mandatory safety regulations.

PAY SCALE & REQUIREMENTS:

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Approved by the Employer and effective date will be set for 7 days after the execution of the Memo of Understanding.