

JOB TITLE: Instrumentation Technician – Sewer Department

WORK SITE: Wastewater Treatment Plant (2 S Hanna Street, Lock Haven, PA)

WORK HOURS: (8Hrs/Day) (40 Hrs./Wk.) normally Mon.-Fri. 5 days a week

SALARY / BENEFITS: \$19.88-\$21.49 per hour depending on experience

SUPERVISOR: Sewer Superintendent/Chief Operator who reports to the City Manager

JOB DEFINITION: Foreman level skilled work in the facility and equipment maintenance of the wastewater treatment plant which uses Sequencing Batch Reactors (SBR) to treat sanitary sewer and hauled in sewage wastewater, aerobic digesters, and U.V. treatment for disinfection using both manual and Supervisory Control And Data Acquisition (SCADA) controls, as well as maintenance to support infrastructure including pumps, compressors, centrifuges, blowers, tanks, and a 1500kw generator under the direction of the Sewer Superintendent.

DISTINGUISHING FEATURES OF THE WORK: Oversees all aspects of wastewater facility maintenance including pump stations by integrating electrical, mechanical and computer technologies to provide preventative, regular and emergency maintenance of mechanical, electrical, electronic, fluid power, and automated control systems that assist in the operation of the facility.

EXAMPLES OF WORK PERFORMED: Performs regular inspections and reviews operators' reports for purposes of preventative maintenance. Maintains a regular schedule of testing mechanical and electrical units and controls to make required repairs. Keeps buildings and surrounding areas in good repair and appearance. Assists plant operators in the cleaning of tanks. Maintains a prescribed schedule of inspection and lubrication of equipment and units requiring the same and keeps records of completed work.

REQUIREMENTS OF WORK:

- Extensive practical knowledge of the methods, practices, and tools used in the maintenance of mechanical units including pumps, gauges, valves, switches, centrifuges, compressors, conveyors, and other industrial mechanisms.
- Apply safe practices to detection, analysis and repair of inoperable components of the mechanical, electrical, electronic and automated systems
- Use general-purpose software and specific building automation software to monitor and control systems
- Ability to learn the methods, practices, procedures, and techniques used in the operation and routine maintenance of specific type treatment plant equipment
- Analyze electrical and mechanical drawings and prints
- Ability to work outdoors in adverse weather conditions
- Ability to supervise other personnel that may be assigned to assist on an as-need basis
- Will be assigned to other departments as schedule allows or need arises
- Must be willing to accept call-outs and overtime when required.
- Sufficient physical strength and freedom from disabling defects to perform assigned tasks

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of:
 - Electrical, mechanical and plumbing systems and maintenance/repairs modalities

- In depth grasp of mechanical concepts
- Safety procedures and practices
- Tools and methods used in building and public works maintenance and construction
- Ability to:
 - Certify in confined space entry and powered lift operations
 - Communicate orally and in written form, duties and instructions with supervisors and peers
 - Complete arithmetical calculations involving fractions, decimals and percentages
 - Diagnose and complete corrective measures for malfunctions/deficiencies in equipment, mechanical, electrical, electronic and plumbing systems
 - Establish and maintain effective working relations with supervisors, associates and the general public
 - Follow complex oral and/or written instructions
 - Interpret technical manuals, drawing and specifications, including layouts, blueprints and schematics
 - Operate city vehicles
 - Work independently using independent judgement and discretion
- Minimum training and experience:
 - High school diploma or equivalent
 - Successful completion of a certificated verifiable vocation technical training or equivalent formal training
 - Preferred: Bachelor’s degree in Building Automation Technology or related field or Associate degree in Mechatronics Engineering or other related Electromechanical Maintenance degree
 - Current, valid driver’s license issued by the Commonwealth of Pennsylvania

PHYSICAL DEMANDS:

- The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
- While performing the duties of this job, the employee is regularly required to use hands to finger, handle, feel or operate objects, tools, or controls and reach with hands and arms. The employee frequently is required to stand and talk or hear. The employee is occasionally required to climb or balance; stoop, kneel, crouch, or crawl; and smell. During extreme situations, may be required to operate equipment for total period of up to 12 hours per shift and must be able to sit in the operator’s station continually for four (4) hours at a time without breaks.
- The employee must be physically agile and able to climb steps, ladders, and manhole steps to access above or below ground chambers as much as forty (40) feet in depth while wearing confined space protective equipment as well as work at heights requiring the use of scaffolding, lifts, and ladders.
- The employee must be able to operate a mobile (vehicle mounted) radio and portable radio for safe operations and for effective communications with all personnel.

- The employee must frequently lift and/or move up to 50 pounds and occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT:

- The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
- While performing the duties of this job, the employee regularly works in unheated inside and outside weather conditions. The employee frequently works near moving mechanical parts and is frequently exposed to wet and/or humid conditions and vibration. The employee occasionally works in high, precarious places and is occasionally exposed to fumes or airborne particles, toxic or caustic chemicals, and risk of electrical shock, and will be required to work in below ground vaults, chambers, and manholes. The noise level in the work environment is usually loud.
- This position requires the employee to be exposed on a regular basis to raw sewage and industrial wastes carried by the municipal sewer system.
- The noise level in the work environment is usually loud.

NOTE: The above statements are intended to describe the general nature and level of work being performed by the person hired for this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required to perform the job.