

**NORTHWESTERN WATER AND SEWER DISTRICT
ELECTRONIC TECHNICIAN I**

Definition: Under general supervision performs a variety of semi-skilled tasks involved in servicing, installing, repairing, and performing preventive maintenance on electronic and electrical equipment; assists in the maintenance and repair and/or operation of wastewater treatment plants, pump stations, sanitary sewerage and water systems, act as crew leader providing work direction to subordinate crew members and related facilities; performs related duties as required.

% OF TIME	TYPICAL EXAMPLES OF DUTIES	KNOWLEDGE, SKILLS AND ABILITIES
60-75%	<p>Acts as crew leader in directing workers who install, maintain and repair electrical equipment (e.g.) electrical systems, wiring, motors, appliances, lighting, fans, transformers, heating and cooling equipment, and switches, air compressors, AC and DC electric motors, electric panels in water pumpstations, wastewater treatment facilities. Ability to rebuild and install floats, switches electric panels for new and existing locations.</p> <p>Performs other miscellaneous duties, removes debris from and cleans work area; maintains supply of electrical supplies; completes material and cost estimates; completes reports and logs. Makes purchases as needed. Inspects new and rehabilitation work of pumpstations.</p>	<p>Skill in installing, maintaining and troubleshooting, repairing electrical equipment; ability to apply principles to solve practical, everyday problems, add, subtract, multiply and divide whole numbers, understand manuals and verbal instructions technical in nature, cooperate with co-workers on group projects, demonstrate dexterity to use hands skillfully and ability to read wiring prints.</p>
0-15%	<p>Acts as crew leader in directing workers who assist in the operation of mechanical and electrical equipment, pumps, aeration tanks, settling tanks, sand beds and other equipment used to pump sewage and to control the flow of sewage and sludge; collects samples of sewage and sludge for chemical analyses and assists in performing routine chemical tests; under direction regulates proper flow of chemical feeders; checks for residual chlorine; maintains daily log and records pressures, temperatures, flow rates and other maintenance and repair data.</p>	<p>Knowledge of waste water treatment plant operations hazards and safety precautions of the work; ability to demonstrate dexterity to use hands skillfully, follow oral and written instructions, read simple meters and charts and to perform routine mathematical calculations accurately, stand or walk for extended periods of time and to lift heavy objects as required. Provide instruction and work guidance to subordinate personnel.</p>
10-20%	<p>Acts as crew leader in directing workers who assist in inspecting operating equipment to detect mechanical or electrical malfunctions; perform routine maintenance and repair of equipment such as lubrication, adjustments, replacement of fittings and repacking of valves; assist in rebuilding pumps and in replacing motors, blowers, and electrical parts; skims and cleans wet wells; cleans aeration tanks, diffusers and finals; advises superiors of mechanical defects; may assist in the maintenance and repair of hydrants, sewer lines and other components of either water or sewerage systems of the District; attends training courses and engages in independent study of treatment plant and system operation and maintenance.</p>	<p>Knowledge of waste water treatment plant operations, hazards and safety precautions of the work; routine maintenance methods associated with wastewater treatment plants; ability to follow oral and written instructions, stand or walk for extended periods of time and to lift heavy objects as required. Perform work duties in a variety of weather conditions.</p>
0-15%	<p>Places barricades and safety equipment around construction area; breaks up pavement with air hammer; digs and backfills holes and trenches and reinforces excavations as required; makes repairs to sewer and water lines, manholes and hydrants; paints hydrants; operates valves; assists in the operation of pressure sewer cleaner; operates air compressor, backhoe and truck; obtains various supplies as directed.</p>	<p>Knowledge of hazards and safety precautions of the work, excavation and construction work related to water and sewer line repair; skill in the operation of tools and equipment used in the work; ability to follow oral and written instructions and perform work duties in a variety of weather conditions.</p>

Training and Experience Requirements: Combination of training and work experience which indicates position of the skills, knowledge and abilities listed. Must possess high school diploma or GED. Knowledge of water/wastewater operations, construction and repair. Ability to add, subtract, multiply and divide whole numbers and to read and write common vocabulary plus: 12 months training and/or experience in electrical work or equivalent. Ability to provide completion of course work in related areas. Possess Ohio Commercial Driver's License. Distribution II or Collection II and/or WW Treatment I or Water Treatment I licensing required.