



## NORTH DAVIS SEWER DISTRICT

Job Description			
Job Title:	<b>Maintenance Mechanic I</b>	Pay Grade:	12
Department:	Maintenance	Effective Date:	9/2025

### GENERAL PURPOSE

Performs a variety of journeyman level complex skilled and technical duties related to the daily maintenance, troubleshooting, and repair of treatment plant facilities, equipment, and heavy machinery including, fabrication of treatment plant process equipment, installation of in-house facility and equipment upgrades, all to ensure maximum reliability and optimum performance.

### SUPERVISION RECEIVED

Works under the general supervision of the Operations Manager. Receives immediate supervision from the Maintenance Lead Worker.

### SUPERVISION EXERCISED

May provide general direction to less experienced plant operators on a project-by-project basis.

### ESSENTIAL FUNCTIONS

**GENERAL:** Performs journeyman level mechanics, repairs, and maintains proper treatment equipment operation in a safe and efficient manner. Performs and assures the proper maintenance and repair of step screens; wash presses; grit removal system; screw conveyors; bridge cranes; various types of pumps; blowers and compressors; clarifier mechanisms; chlorinators; biotower and trickling filter distributors; cogeneration engines; gravity belt thickeners; rotary drum thickeners; belt presses; and trucks, loaders, compost turners, and backhoes.

**MAINTENANCE:** Greases, lubricates, and services all moving parts and equipment; performs routine vibration monitoring, shaft alignment, and other tasks in accordance with sound predictive maintenance techniques. Preloads and aligns bearings and equipment. Troubleshoots and adjusts treatment process equipment such as chopper pump cutter bars, pump wear rings, chain and belt tensions, HVAC units and roof fans as required to maintain efficient and reliable process equipment operations.

**REPAIR:** Uses various precision measuring instruments, hand, power, and air tools in replacing or repairing chains, belts, sprockets, shafts, rakes, screws, sleeves, bearings, wear-rings, and other mechanical parts.

Ability to troubleshoot root cause of failures; makes repairs correctly in order to improve machinery reliability.

**OTHER:** Modifies, upgrades, and fabricates mechanical equipment for treatment processes to upgrade and keep facility treatment equipment operating at its peak with focus on reliability. Performs general plumbing and pipe fitting.

Performs other duties and tasks as assigned.

## MINIMUM QUALIFICATIONS

### 1. Education and Experience:

- A. Graduation from a high school or GED equivalent;  
AND
- B. TWO (2) years of progressively responsible experience in treatment plant maintenance with training in one or more of the following areas: auto or diesel mechanics, Welding and fabrication, pump, blower, and compressor, or generator mechanics; plumbing, concrete work, pipe fitting.
- C. Two (2) years of progressively responsible experience in treatment plant operations.  
  
OR
- D. An equivalent combination of education and experience.

### 2. Required Knowledge, Skills, and Abilities:

Ability to communicate effectively, verbally and in writing; ability to develop working relationships with supervisors and co-workers. Knowledge of plant policies and procedures. Must be a self-starter, know and understand safety policies and procedures, promote a safety culture, possess a thorough knowledge and demonstrate the ability to effectively troubleshoot and repair mechanical equipment. Knowledge of the fundamentals of machinery operation and technical competency for specific treatment plant equipment in operation at the District's facilities including its maintenance and repair. Ability to perform routine maintenance and repairs on heavy equipment and Cogeneration engines.

Ability to understand and interpret blueprints, schematic drawings and maintenance manuals; ability to make accurate decisions in emergency situations; ability to perform basic welding; ability to perform mechanical repairs on pumps and other plant equipment.

Ability to work with a team and independently.

### 3. Special Qualifications:

Must be able to walk, lift, reach, stoop, stand, grasp, balance, climb, kneel, crouch, and lift up to 75 pounds. Must possess a Wastewater Treatment Operator Certification Grade IV, or the ability to obtain one within 2 years.

Must possess a valid Utah State driver's license and be able to obtain a Class B CDL with Tanker Endorsement

Must be willing to work on-call, (24hour), and be able to respond to plant site within 30 minutes of an emergency call out.

Must be a member of the Emergency Response Team.

## WORK ENVIRONMENT

Daily exposure to hazardous conditions such as: working on high ladders and in manholes; daily potential for hazardous exposure to methane, hydrogen sulfide and chlorine gases; daily potential for hazardous exposure to oxygen deficient atmosphere; daily exposure to seasonal changes and weather extremes; industrial wastes and raw sewage (containing pathogens such as typhoid, paratyphoid, dysentery, polio, tetanus, etc.); daily exposure to moving parts and equipment such as pumps, motors, heavy equipment, etc.; daily exposure to stressful environmental conditions such as dust, fumes, dampness, cold, heat and noise.