Timpanogos
Special Service District
Job Description

Title:	Maintenance Mechanic II	**Code:**	**808**
Division:	Operations	**Effective Date:**	05/2017
Department:	Maintenance	**Last Revised:**	

GENERAL PURPOSE

Performs a variety of **advanced level, complex skilled and technical duties** related to the daily maintenance, repair, and fabrication of treatment plant facilities, mechanical, electronic, electrical and motorized equipment; operates heavy equipment.

SUPERVISION RECEIVED

Works under the general direction of the Maintenance Coordinator.

SUPERVISION EXERCISED

May provide general supervision to less experienced plant operators on a project-by-project basis or when assigned as a shift supervisor.

ESSENTIAL FUNCTIONS

Performs advanced level mechanics and maintenance to assure proper equipment operation; performs and assures the maintenance and repair of bar screens, grit collectors, screw conveyors, raw sewage pumps, clarifiers, chlorine system, activated sludge, sludge pumps, generators, trucks and other equipment.

Uses various hand, power, and air tools in replacing or repairing chains, sprockets, shafts, rakes, screws, sleeves, bearings, wear-rings, and other mechanical parts; tears down and rebuilds various pumps; overhauls, changes bearings, pistons, shafts, eccentrics and other pump parts; pre-loads and aligns bearings and equipment; greases and lubricates all moving parts and equipment; performs general plumbing and pipe fitting; monitors all equipment, for preventative maintenance.

Performs complex automotive and diesel maintenance; repairs transmissions, clutches, carburetors, brakes, U-joints, drive shafts, exhaust systems, shocks, springs, engines and other parts of vehicles; performs heavy duty mechanics on heavy equipment such as sewer flush truck, televising van, loader, backhoe, dump truck, etc.

Maintains an accurate list of equipment, prepares maintenance schedules and maintains adequate parts inventory, records all maintenance performed on all equipment and plant owned vehicles.

Operates heavy equipment; front-end loader, backhoe; digs trenches, transports materials and waste; unloads bulk chlorine from trailers utilizing an air padding system; operates compost turner and trommel screen.

Records instrument readings, charts and indicators.

Performs related duties as assigned by Foreman or District Manager.

Performs related duties as required.

MINIMUM QUALIFICATIONS

1. Education and Experience:

   A. Graduation from high school, plus one (1) year of specialized training in wastewater treatment and collection operations;

   AND

   B. Three (3) years of progressively responsible experience in treatment plant operations and maintenance; with extensive training in one or more of the following areas: auto or diesel mechanics, electrical maintenance and pump mechanic;

   OR

   C. An equivalent combination of education and experience.

2. Knowledge, Skills and Abilities:

   Considerable knowledge of technical treatment plant equipment and machinery and its operation maintenance and repair; plant processes; hazards and precautions associated with plant operations and processes; plant policies and procedures; automotive, diesel mechanics; electrical works, plumbing, and mechanical equipment. **Working knowledge of** laboratory procedures and the chemical and physical process involved in wastewater treatment.

   Considerable skill in the use of a variety of hand and power tools common to building and vehicle mechanics, i.e., electric and pneumatic tools, personal computer; calculator; phone; radio; motorized vehicles and equipment including pickup, dump truck, man lift, hydraulic press, generator, ladders, etc.
   Ability to understand and interpret blue prints, schematic drawing and maintenance manuals; make accurate decision in emergency situations; perform detailed welding; perform complex mechanical repairs on pumps and other plant equipment; communicate effectively, verbally and in writing; develop working relationships with supervisors and co-workers; supervisory techniques.

3. Special Qualifications:

   Must be willing to work shift work and be on-call 24 hours per day, as scheduled by management.
   Must pass random alcohol and drug test.
   Must possess or acquire a Class A or B Utah Commercial Driver's License (CDL-A, B).
   Must possess a Level II Maintenance Technician Certification and a Level I Wastewater Treatment Operator Certification.

4. 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 related gases; daily potential for hazardous exposure to oxygen deficient atmosphere and ultra violet light; daily exposure to seasonal changes and weather extremes; daily potential for hazardous exposure to electrical shock, industrial wastes and raw sewage (containing pathogens such as typhoid, paratyphoid, dysentery, polio, tetanus, etc.; daily exposure to stressful environmental conditions such as dust, fumes, dampness, cold, heat and noise. Position requires use of basic human faculties, including talking, hearing and seeing.

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Disclaimer: The above statements describe the general nature, level, and type of work performed by the employee(s) assigned to this classification. They are not intended to be an exhaustive list of all responsibilities, demands, and skills required of personnel so classified. Job descriptions are not intended to and do not imply or create any employment, compensation, or contract rights to any person or persons. Management reserves the right to add, delete, or modify any and/or all provisions of this description at any time as needed without notice. This job description supersedes earlier versions.

I _____have reviewed the above job description. Date_____
(Employee)