



Job Description			
Job Title:	Plant DRC / Trainer	Pay Grade:	13
Department:	Plant	Effective Date:	8/2022

GENERAL PURPOSE

Performs a variety of master level complex specialized, skilled, and technical duties related to wastewater treatment plant process operations and maintenance. Maintains and documents plant process control parameters, develops and maintains process SOP's. Assists the Plant Superintendent and shift lead workers in process control and monitoring, and in optimizing the efficiency and effectiveness of the treatment process. Is responsible for the training of all plant staff on process, equipment, and yard piping.

SUPERVISION RECEIVED

Works under the general guidance and direction of the Plant Superintendent.

SUPERVISION EXERCISED

May provide close to general supervision to Plant staff when assigned.

ESSENTIAL FUNCTIONS

Checks and assures that all stages of the wastewater treatment processes are operating as required to maintain treatment efficiency and comply with the District's permit; Performs routine duty rounds of treatment plant's processes and documents various meter readings. Follows District's Standard Operating Procedures to perform routine operational tasks.

Documents all plant performances, adjustments, and readings as required by permit. Reviews all plant process and lab reports, process trends to determine health of process, suggests process optimization opportunities to Plant Superintendent.

Monitors plant SCADA control panels and operation processes throughout entire treatment process. Responds to alarms and makes decisions as to corrective actions that may be needed. Create work orders for equipment needing repairs that will be submitted for documentation in the plants CMMS system.

Calibrates, cleans, and maintains all plant analytical instruments for online process monitoring and control such as DO meters, ammonia, chlorine residual meters, chemical dosage feed calibrations.

Performs complex calculations to determine plants operating parameters such as SRT, Wasting rates, Biotower and RSS recirculation rates, ferric chloride dosage rates, chlorine dosage, removal efficiencies and permit limits. Makes adjustment recommendations to lead operators when calculations show adjustments are needed.

Responsible for all plant training in process, process report interpretation, trends, equipment operation, yard piping. Trains in proper calibration of all process meters.

Attends training to acquire and maintain skills as needed.

Build and maintain positive working relationships with co-workers, other District employees, and the public using principles of good customer service.

Performs related duties as required, or other tasks as assigned.

MINIMUM QUALIFICATIONS

1. Education and Experience:

- A. Graduation from a standard senior high school or GED equivalent;
- AND

- B. Completion of two years of studies in a college or trade school
and
 - C. Eight (8) years of progressively responsible experience in treatment plant operations and two (2) years of supervisory or management experience.
OR
 - D. An equivalent combination of education and experience.
2. Required Knowledge, Skills, and Abilities:

Thorough knowledge of technical treatment plant equipment and machinery and its operation maintenance and repair, thorough knowledge of plant processes, thorough knowledge of hazards and precautions associated with plant operations and processes, thorough knowledge of plant policies and procedures, thorough knowledge of ordinances, laws, and regulations governing wastewater treatment and discharge promulgated by various State and Federal agencies, some knowledge of principles of supervision, working knowledge of laboratory procedures and the chemical and physical process involved in wastewater treatment.

Ability to understand and interpret laboratory data derived from water samples, ability to interpret and apply process trends, ability to supervise, train, and inspect work of subordinates, ability to make accurate decisions in emergency situations, ability to communicate effectively, verbally and in writing, ability to develop working relationships with supervisors and co-workers. Have a compassion for team culture and the ability to share process knowledge with staff.

Computer literate using Excel, Word, PowerPoint, I-Pads.

Able to walk, lift, reach, stoop, stand, grasp, balance, climb, kneel, crouch, and lift up to 50 pounds frequently.

3. Special Qualifications:

Must possess a Utah grade IV Wastewater Treatment Operator certification preferably with DRC Status or obtain through reciprocity.

Must possess a Utah grade III maintenance certification or be SMRP certified or ability to achieve within 1 year.

Must possess a valid Utah State driver's license and be able to obtain a Class B CDL within 6 months.

Must be willing to work on-call (24 hour) and be able to respond to plant site within 30 minutes of a call out after hours.

Must be willing to work occasional rotating shift if required.

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; 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 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.