

North Davis Sewer District

Job Description

Class Title: Plant Operator IV	Job Code: 205
Department: Operations	Pay Grade: 10
	Effective Date: 3/91
	Last Revised: 9/2022

GENERAL PURPOSE

Performs a variety of advanced level complex skilled, and technical duties related to wastewater treatment plant process operations and maintenance. Maintains and documents plant process control parameters, reviews trends and process control reports. Assists the Plant Superintendent, Plant DRC and shift lead workers in process control monitoring, and in optimizing the efficiency and effectiveness of the treatment ~~Performs a variety of advanced technical duties related to the operation, maintenance and repair of treatment plant equipment to assure efficient processing of influent raw sewage.~~

SUPERVISION RECEIVED

Works under the general guidance and direction of the Plant Superintendent, Plant DRC Receives immediate supervision from shift lead workers.

SUPERVISION EXERCISED

May provide close to general supervision to Plant Operator(s) III, II and I when assigned to mentor junior staff.

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 in plant ops log software. Reviews all plant process trends, and lab reports, and process model to determine health of process.

Monitors plant SCADA control panels and operation processes throughout entire treatment process. Responds to alarms and makes decisions as to action required to address cause of alarm. Notifies maintenance staff of repairs needed through the plant CMMS system.

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

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 and Plant DRC when calculations show adjustments are needed.

Operates a large variety of heavy equipment such as loader, backhoe, dump truck, wildcat for solids handling.

Performs general plant maintenance and cleaning to maintain plant appearance; mops and waxes floors; cleans and maintains all plant vehicles to maintain an acceptable appearance. Cleans and paints walls, floors, equipment, and piping to maintain plant appearance; landscapes and maintains plant grounds; assists in cleaning all process tanks, and equipment as needed.

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. Five (5) years of progressively responsible experience in treatment plant operations;
- OR
- C. 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 supervise, train, and inspect work of subordinates; ability to make accurate decisions in emergency situations; ability to interpret and apply laws governing wastewater treatment; ability to communicate effectively, verbally and in writing; ability to develop working relationships with supervisors and co-workers.

Computer literate.

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 or obtain through reciprocity.
- 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 rotating swing-shift.
- 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.