

North Davis Sewer District

Job Description

Class Title: Plant Operator II	Job Code: 230
Department: Operations	Pay Grade: 8
	Effective Date: 3/91
	Last Revised: 9/2022

GENERAL PURPOSE

Performs a variety of apprentice level technical and skilled duties related to the operation and repair of treatment plant equipment to assure efficient processing of influent raw sewage.

SUPERVISION RECEIVED

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

SUPERVISION EXERCISED

None.

ESSENTIAL FUNCTIONS

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

Monitors plant control panels and operation processes including raw pumps, station alarms, primary clarifiers, final clarifiers, trickle filters, chlorine building, raw sludge pump house, digester facility and generator facility.

Documents all plant performances, adjustments, and readings as required by permit. Reviews all plant process and lab reports 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 replace equipment with spares or to repair. Notifies maintenance of failure if needed.

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

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

Operates a large variety of heavy equipment such as loader, backhoe, dump truck, wildcat and brown bear for solids handling. Loads and weighs biosolids trucks and maintains records of such.

Performs general plant maintenance and cleaning; 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.

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

MINIMUM QUALIFICATIONS

1. Education and Experience:

- A. Graduation from a standard senior high school;
- AND
- B. Two (2) years of experience in treatment plant operations;
- OR
- C. An equivalent combination of education and experience.

2. Required Knowledge, Skills, and Abilities:

Working knowledge of technical treatment plant equipment and machinery and its operation maintenance and repair; working knowledge of plant processes; working knowledge of hazards and precautions associated with plant operations and processes; working knowledge of plant policies and procedures; working knowledge of ordinances, laws, and regulations governing Waste Water 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 waste water treatment.

Ability to understand and interpret laboratory data derived from water samples; ability to make accurate decisions in emergency situations; ability to interpret and apply laws governing waste water treatment; ability to communicate effectively, verbally and in writing; ability to develop working relationships with supervisors and co-workers.

Basic computer literacy

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 grade II Wastewater Treatment Operator certification.

Must possess a valid Utah State Drivers License and a Class B CDL.

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

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.