



Barrow Utilities and Electric Cooperative, Inc.

PO Box 449
Barrow, Alaska 99723
Phone 907-852-6166

Job Description

Job Title:	Utility Plant Operator	Supervises:	Non-Supervisory
Department:	Utility Plant	DOT Safety Sensitive:	Yes, PHMSA
Reports to:	Chief of Operations & Maintenance	FLSA Status:	Non-exempt, hourly
Union status:	Union	Starting Pay	\$39.85 hourly Per Union CBA
Status:	Full-Time Permanent	Work Schedule	Shift Work - A midnight - 8am, B 8am - 4pm, C 4pm - midnight, & Floater
Date:	September 8, 2022		

Summary:

Responsible for operations in generation and water production facilities.

Essential Duties and Responsibilities:

The following duties include but are not limited to the following
Water Plant:

- Know and understand all safety policies and rules.
- Monitoring, operating and logging of all running water production equipment.
- Make minor repairs to keep equipment operable, under the supervision of the Plant Chief of Operations and Maintenance.
- Mixes and feeds chemicals for water production process, maintains correct flow rates and temperatures.
- Performs water tests for pH level, chlorine, fluoride, color, total dissolved solids, conductivity, iron, turbidity, alkalinity, hardness, ammonia and phosphate.
- Operates AMIAD pre-filtration unit SCADA system and notifies supervisor of issues.
- Operates Ultra filtration unit SCADA system and performs chemical cleaning procedure.
- Operates Nano filtration unit SCADA system and performs chemical cleaning procedure.
- Inspects water storage and distribution facilities.
- Takes water meter reads for daily log totals.
- Utilizes PC for log documentation and form prints.
- Must be able to start, put online and secure all boilers.
- Monitoring of all boilers.
- Monitors glycol heating system.
- Monitors and operates all valves, pumps, chemicals tanks and SCADA systems as required to keep the water plant in production.
- Monitors fire detection and sprinkler systems.
- Required to perform other duties as specified by Plant supervision.
- As a minimum, must test for and obtain Alaska Department of Environmental Conservation Water Treatment License as specified and will keep license current for entire term of employment.
- Perform other duties as assigned

Generation Plant:

- Know and understand all safety policies and rules.
- Monitors and records data and meter reads from the control room, turbine packages and associated switchgear.
- Able to start, synchronize, put online and secure all generators under normal or emergency situations.
- Performs routine operational duties associated with power plant operations, adding oil, wipe downs,

- monitors fire and gas detection systems, battery banks, compressors and plant clean up.
- Perform other duties as assigned

Knowledge, Skills, and Abilities:

- Knowledge of all applicable Cooperative policy and adherence to said policies.
- Good communication skills.
- Ability to manage personalities and workflow with changing schedules and deadlines.
- Knowledge of water treatment, water distribution, wastewater collection, and wastewater treatment.

Education, Experience, Certifications, and License Required:

- Must be at least 18 years of age.
- High school diploma or equivalent
- Ability to push, lift or carry 100 pounds or more, climb ladders and stairs, hear within normal range, and vision within normal range
- Valid Alaska driver's license with a satisfactory driving record.
- Must pass pre-employment drug screen and will be subject to random drug testing per DOT requirements.
- Must pass pre-hire physical examination.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Constantly is required to stand, walk, use hands to finger, handle, feel or operate objects, tools, or controls.
- Frequently required to sit, climb, balance, stoop, kneel, crouch, and crawl
- Communicate by radio and phone.
- Specific vision abilities required by this job include close vision, distance vision and the ability to adjust focus.
- Ability to work more than 40 hours in a given week including weekend assignments as required.
- Ability perform work efficiently in an outdoor environment as needed.
- Ability to lift 100 lbs., i.e. chemical containers and heavy equipment.
- Ability to utilize all types of safety equipment, i.e. head gear, hearing protection, eye protection, respirators and other safety devices.
- Must work in adverse weather condition, extreme cold and dark areas, i.e. turbine filter air intakes.
- Must be able to work in high areas, i.e. roof tops, ladders and catwalks.
- Must be able to work in confined space areas.
- Requires full range of physical motion to perform all manner of routine operational and maintenance duties associated with this position.

Work Environment:

Work environment characteristics described here are representative of those an employee encounters while performing essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- The noise level in the work environment is usually moderate.
- Occasionally works in outside weather conditions including extreme cold and darkness.
- Occasionally works near moving mechanical parts, in high precarious places, and is occasionally exposed to heat, wet and/or humid conditions, fumes or airborne particles, risk of electrical shock, and vibration.

This job description does not constitute a written or implied contract of employment. This job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. BUECI reserves the right to revise or change duties, responsibilities, and activities and may change at any time with or without notice.