

## HVAC Technician

### **SUMMARY**

The HVAC Technician will troubleshoot, repair and maintain heating, ventilation and refrigeration systems used in an underground and surface mining environment

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following.

- Performs scheduled and un-scheduled maintenance activities.
- Inspect, repair, modify and install HVAC equipment including refrigeration and air conditioning compressors, receivers, condensers, chillers, forced air converter units, pumps, automatic and hand valves, expansion valves and capillary tubes.
- Conduct regular preventive maintenance inspections of refrigeration units, isolated heating and ventilating units, including boilers, gas, and electrically operated air conditioning equipment, and make necessary adjustments or repairs.
- Repair or replace defective parts in units and equipment and their controls, including thermostats, automatic switches, fan controls, log switches, damper motors, louvers, relays, filters, controls, belts, compressors, heat exchangers, high limit controls, pressure controls, safety valves, and automatic gas valves.
- Perform preventive maintenance on the underground refrigeration units.
- Must learn and understand the underground chilled water system, add water system, and condenser water system. Must be able to install, replace, and service systems, components, and controls. Includes chillers, pumps, and all related components.
- Maintenance of spray chambers. Install, repair, and start up spray chambers, including piping manifolds, pumps, chamber, and tank.
- Use all related meters, instruments and tools required to properly work on refrigeration equipment and systems.
- Repair and rebuild semi-hermetic reciprocating compressors and compressors for centrifugal refrigeration machines.
- Install and calibrate systems; install copper and steel tubing and repair pipes and tubing as necessary
- Flush heat exchangers and descale tubing
- Rebuild pressure and temperature safety valves and water pumps.
- Test and examine boiler operations.
- Conduct boiler water quality test and treatment.
- Adjust boiler burner combustion.
- Electrical troubleshooting and repairs up to < 480v
- Work with the Electrical Department team in the troubleshooting and repairs of all 480v and above equipment.
- Read blueprints, drawings, and specifications to determine the operation, troubleshooting and repair of the chillers and related components and systems.
- Machinery installation; Must know proper procedures for installation and alignment of components and electric motors.
- Tests all equipment repairs as applicable.
- Performs data input as required for inventory and cost control tracking.
- Completes required maintenance work orders, reports and logs.
- Maintain a high standard of housekeeping in the workplace.
- Comply with applicable environmental laws and regulations. Conducts activities and work in an environmentally responsible manner. Is aware of procedures to minimize impacts to the environment.
- Follows and understands MSHA rules and regulations, environmental rules and regulations, SOP and work area instructions, participates in safety and environmental activities. Leads by example

by adhering to rules and regulations, and ensuring compliance to rules and regulations established by the Mine Operations department.

- Must be able to work and communicate with other members of the work team.
- Must be willing to comply with all company policies and procedures.
- Participate in Risk Assessment activities as required.
- Participate in the development of Standard Operating Procedures (SOP's) as required.
- Must meet criteria established in the Maintenance Progression System.

### **QUALIFICATIONS**

High School graduate or equivalent.

Technical certificate from an accredited air conditioning and refrigeration training program.

Type I and type II refrigeration license to comply with Federal law 40CFR part 82, subpart F.

Previous experience in a mine setting preferred.

Must be able to access equipment information using electronic devices (i.e. laptop computer, tablet).

Computer literate with at least basic skills in Excel, Word and MS Outlook

### **PHYSICAL REQUIREMENTS**

While performing the duties of this job, the employee is frequently required to stand, walk, or sit for extended periods of time; use hands to finger, handle, or feel; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; regularly required to talk and hear. The employee must regularly lift and/or move up to 50 pounds, and occasionally lift and/or move up to 75 pounds. Specific vision abilities required by this job include close vision, distance vision, and the ability to adjust focus

### **About Hecla and the Lucky Friday Mine**

The Lucky Friday Mine is a deep underground silver, lead, and zinc mine located one mile east of the town of Mullan in the Coeur d'Alene Mining District in northern Idaho. The Lucky Friday has been owned and operated by Hecla Mining Company, headquartered in Coeur d'Alene, Idaho, since 1958. Established in 1891 in one of the world's most prolific silver-producing districts, northern Idaho's Silver Valley, Hecla Mining Company's rich history of mining has distinguished it as a respected precious metals producer. Hecla is the oldest U.S.-based precious metals mining company in North America and the largest producer of silver in the U.S. Headquartered in Coeur d'Alene, Idaho, with a sister office in Vancouver, B.C., our international, publicly traded company is over 125 years old.

Hecla Limited, Lucky Friday Mine is pleased to offer competitive compensation commensurate with education and experience, and a comprehensive benefits program that includes health & welfare, income protection, paid time off and retirement plans for employees, including medical, dental, and vision coverage for eligible dependents.

Interested candidates must possess authorization to work in the United States. Applications and/or resumes may be sent via e-mail to [resume@hecla-mining.com](mailto:resume@hecla-mining.com), faxed to 208.545.3327, or mailed to:

Human Resources  
Hecla Limited, Lucky Friday Mine  
P.O. Box 31  
Mullan, ID 83846

Hecla Limited, Lucky Friday Mine is an Equal Opportunity Employer  
Visit our website at [www.hecla-mining.com](http://www.hecla-mining.com) for more information about Hecla and the Lucky Friday Mine.