



## **Senior Environmental Technician**

**Report to:** Manager of Environmental and Permitting

**Department:** Environmental

**Location:** Santa Cruz Project, Casa Grande, AZ

### **About Ivanhoe Electric Inc.**

We are a United States-domiciled minerals exploration company with a focus on developing mines from mineral deposits principally located in the United States. We seek to support American supply chain independence by finding and delivering copper and other critical metals vital to advanced manufacturing, infrastructure development, technology, and national security. We use our powerful Typhoon™ geophysical surveying system, together with advanced data analytics provided by our 94.3%-owned subsidiary, Computational Geosciences Inc. ("CGI"), to accelerate and de-risk the mineral exploration process as we seek to discover new deposits of critical metals that may otherwise be undetectable with traditional exploration technologies. We believe the United States is significantly underexplored and has the potential to yield major new discoveries of critical metals. Our mineral exploration efforts focus on copper as well as other metals, including nickel, cobalt, platinum group elements, gold, and silver. Through the advancement of our portfolio of critical metals exploration projects, headlined by the Santa Cruz Copper Project in Arizona, we intend to contribute to domestic supply by developing resources that support industrial and strategic sectors. We also operate a 50/50 joint venture with Saudi Arabian Mining Company ("Maaden") to explore for minerals on ~48,500 km<sup>2</sup> of underexplored Arabian Shield in Saudi Arabia. Finally, in 2024, we established an exploration alliance with BHP Mineral Resources Inc. ("BHP"), a subsidiary of BHP Group Limited, to search for critical minerals in the United States.

### **Summary of Primary Functions**

A key component of the role is supporting the Manager of Environmental and Permitting in conducting research, formulating, and implementing environmental policies and procedures.

Responsibilities include environmental and baseline monitoring, environmental compliance, risk assessments, and reporting.

### **Duties and Responsibilities:**

#### **Health & Safety**

- Ivanhoe Electric Inc. is committed to a strong HSE Program that protects the persons, property, and environment within our care from incidents and accidents. We believe that all accidents are preventable. Management, contractors, and all employees are collectively responsible for ensuring compliance with local government, occupational health, safety, and environmental regulations.
- Responsible for upholding and demonstrating the importance of using and maintaining Ivanhoe Electric's cloud-based, digitized, and centralized safety program.
- Work safely at all times with a focus on actively identifying, managing, and eliminating risks, while setting an example for others in doing so.
- Maintain quality work areas and equipment, including personal protective equipment (PPE) and organization in neat, tidy condition and good working order.

- Systematic use of personal protective equipment appropriate for the nature of work being performed at all times.
- Attendance, participation, and demonstration of leadership and stewardship in daily toolbox meetings and safety and operational planning sessions with site management.

### **Construction and Development Environmental Support & Compliance**

- Support implementation and enforcement of environmental requirements to ensure safe, compliant project execution.
- Ensure environmental controls are properly applied in field activities, work packages, and contractor operations.
- Monitor work fronts, verify environmental hold points, and confirm release criteria are met in coordination with construction and permits
- Review contractor activities for compliance with environmental plans, permits, and requirements, escalating issues as needed.
- Provide regular field presence to reinforce expectations and support environmental readiness for active and upcoming work areas.

### **Early Works Environmental Readiness**

- Support environmental readiness for early works by ensuring permit conditions are understood, actionable, and implemented in the field.
- Identify and communicate environmental risks or constraints that may impact construction sequencing or schedule.
- Assist with coordination between engineering and construction to ensure environmental requirements are carried out through execution.
- Implement and maintain environmental monitoring programs and verify readiness criteria for construction activities.
- Maintain accurate documentation and tracking of environmental compliance and readiness status.

### **Environmental & Baseline Monitoring**

- Oversee and assist with regular environmental monitoring of the project site to assess and report on any potential impacts on the environment in accordance with Company and regulatory requirements. This may include, but is not limited to, air quality, water quality, soil quality, and wildlife monitoring, managing the Spill Prevention Control Plan, Storm Water Pollution Prevention Plan, and air monitoring compliance.
- Assist in designing, preparing, implementing, and maintaining the project environmental plans and procedures.
- Manage on-site waste management programs.
- Track disturbance to maintain compliance with the site reclamation plan.
- Operate and maintain environmental monitoring equipment.
- Assist with environmental incident investigations and implement appropriate corrective actions.
- Work with and train cross-functional groups to maintain monitoring programs and environmental compliance.
- Collect measurements and samples to evaluate pollution in air, soil, and water.
- Download data from monitoring equipment.
- Prepare and ship or deliver samples to labs for analysis.
- Assist hydrology with the collection of surface water samples.



- Perform installation, maintenance, servicing, and troubleshooting of environmental and hydrology equipment and instrumentation.
- Respond to information requests for data, records, and reports related to environmental and hydrology baseline data collection.
- Participate in and/or lead fieldwork activities as necessary.

### **Compliance**

- The Sr. technician will ensure that the project complies with all relevant environmental laws and regulations, for project permits and plans.
- Perform and manage field inspections and complete associated reports for environmental compliance.
- Organize, participate in, and/or lead internal and third-party audits of the Environmental management system.

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### **Contractor Management**

- Oversee contractor work, as applicable.
- Maintain open communication channels with contractors, subcontractors, and internal stakeholders.
- Deliver Environmental training to contractors and subcontractors.
- Assist with contractor costs and budget items.

### **Permitting**

- Assist with obtaining the necessary permits required for the project's current operations and ensure that all permit conditions are met.
- Monitor compliance for current permits and assist with development of annual reports as necessary.

### **Risk Assessment**

- The senior technician will assess the risks associated with the project and identify any potential hazards to the environment, including spills, leaks, or other incidents.

### **Remediation**

- If any environmental issues arise during project operations, the Sr. Environmental technician will work with the Manager of Environmental and Permitting to develop and implement a remediation plan to address the issue.
- Oversee and aid in the clean-up of on-site spills and disposal.

### **Reporting**

- The senior technician will be responsible for compiling information for regulatory agencies and stakeholders detailing the project's environmental performance.
- Maintain documents and records per Company and regulatory requirements.

Assist in organizing data and preparing charts and graphs.

### **Skills and Experience Required:**



- Bachelor of Science Degree in Environmental Science or Environmental Engineering, or another related discipline. In lieu of a Bachelor of Science Degree and/or an equivalent combination of education and experience.
- Ability to develop and maintain awareness of occupational hazards and safety precautions.
- Ability to communicate effectively, both orally and in writing.
- Basic knowledge of local, state, and/or federal regulations.
- Practical experience in computer software and databases used in scientific applications for data management and analysis of large data sets.
- Familiarity with construction and mining operations.
- RCRA (Resource Conservation and Recovery Act) certification.
- HAZWOPER (Hazardous Waste Operations and Emergency Response) train-the-trainer certification.

**Diversity Statements:**

Ivanhoe Electric is an equal opportunity employer that recognizes the value of a diverse workforce. All suitably qualified applicants will receive consideration for employment on the basis of objective criteria and without regard to the following (which is a non-exhaustive list): race, color, age, religion, gender, national origin, disability, sexual orientation, gender identity, or other characteristics in accordance with the relevant governing laws.

The Company offers a professional and entrepreneurial office environment and the opportunity to work and grow with talented colleagues. The Company offers competitive compensation and an employee benefits package. Please forward your resume, cover letter with salary expectations, and references to Human Resources at [humanresources@ivanhoeelectric.com](mailto:humanresources@ivanhoeelectric.com).

