



Magna Mining Inc. | Full time

Specialist, Water Treatment

Greater Sudbury, Canada | Posted on 06/20/2025

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About Us

Magna Mining Inc. is a Sudbury-focused, base metal exploration and development company.

Magna Mining's key objective is to become the next nickel and copper producing company in Canada by executing a growth strategy that is focused exclusively on the historic nickel producing district of Sudbury, ON.

We intend to achieve this objective via the creation of a Sudbury focused, hub and spoke production model, with our existing Shakespeare project as the hub. The path to the creation of a significant new battery metals producing Canadian company is to execute a long term, multi-faceted growth strategy.

Job Description

The Specialist, Water Treatment is responsible for overseeing and optimizing the operation of water treatment systems across Magna Mining properties to ensure compliance with environmental regulations, protect local ecosystems, and support sustainable water usage.

All Magna Mining team members are expected to work collaboratively with others, lead the way in health and safety, act with honesty, integrity, and foster an entrepreneurial spirit in pursuit of excellence.

Responsibilities:

- Monitor and manage the day-to-day operations of water treatment plants.
- Ensure efficient operation of chemical dosing systems, filtration units, pumps, and other treatment infrastructure.
- Perform routine inspections and preventive maintenance to ensure optimal performance of the water treatment equipment.
- Troubleshoot and resolve operational issues that arise within the plant.
- Regularly test and analyze water samples for key quality parameters (e.g., pH, turbidity, heavy metals, and suspended solids).
- Ensure treated water meets the required regulatory standards and environmental permits.
- Maintain accurate records of water quality data and ensure proper documentation for regulatory reporting.
- Prepare reports on water quality performance for internal and external stakeholders, including government agencies.

Job Information

Date Opened
06/20/2025

Job Type
Full time

Industry
Mining

Work Experience
5+ years

City
Greater Sudbury

Zip/Postal Code
P3E 5P4

State/Province
Ontario

Country
Canada

- Assess treatment processes and identify areas for improvement in efficiency, cost reduction, and water recovery.
- Develop and implement process adjustments to optimize water quality and minimize operational costs.
- Evaluate and recommend new technologies and innovations to improve the effectiveness of the water treatment process.
- Comply with environmental, health, and safety regulations governing the water treatment process.
- Prepare for and assist in environmental audits and inspections.
- Assist with the design, installation, and commissioning of new water treatment equipment or systems at the mine site.
- Work closely with the environmental team, mine operators, and other departments to address water-related issues.
- Participate in ongoing research and development projects aimed at improving water treatment technologies.
- Train and mentor junior staff on the operation, maintenance, and troubleshooting of water treatment systems.

Requirements

Qualifications: Formal Education, Certifications or Equivalents

- Post-secondary education in Environmental Engineering, Chemical Engineering, or a related field.
- Certifications in water treatment or environmental management are considered an asset.

Work Experience: Nature & Length

- 3 or more years of water treatment experience, ideally in the mining or industrial sector.

Key Competencies: Behaviours & Skills

- Sound knowledge of water treatment processes, including filtration, sedimentation, and chemical dosing.
- Hands-on experience with water treatment systems, including physical, chemical, and biological treatment methods.
- Experience with water quality testing, regulatory compliance, and reporting.
- Proficiency in water quality analysis and laboratory testing.
- Good problem-solving skills and ability to troubleshoot water treatment systems.
- Communication skills, with the ability to work collaboratively in a team environment.

Magna Mining Inc. is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

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