

Analytical Chemist-Lab Manager

WHO WE ARE.

Demand for critical minerals to power the energy transition is growing exponentially. Yet, we know mining deeper and broader, and building landfills higher and wider, works against our fight to save the planet. At Nth Cycle, we see the path forward. We believe the critical minerals needed for the energy transition are already in circulation today. We just didn't have a clean, profitable way of retrieving them, until now.

Nth Cycle is a metal refining technology company. Our Electro-Extraction technology helps recyclers and mines capture more critical minerals—for use in lithium-ion battery manufacturing, among other things—while dramatically reducing costs and emissions. We are the heart of metals processing; we are the crucial step that profitably separates critical minerals from other elements, transforming them into production-grade feedstocks for the energy transition.

OUR CULTURE.

You won't find another team like ours. We believe in open, honest communication, and enjoying our work while changing the world. We work quickly but with intention—we've scaled our technology in size 100x in the past year. We're mission-oriented and think big—we're focused on reducing gigatons of CO2 emissions from the atmosphere by 2050, and we value the perspectives and opinions of our colleagues while pushing each other to excel.

We're a dynamic team looking for a new team member who's also passionate about addressing climate change and advancing the clean energy industry. Consistent with our commitment to diversity & inclusion, we value colleagues with the ability to work on diverse teams and with a diverse range of people.

POSITION DESCRIPTION.

The primary functions of the Analytical Chemist-Lab Manager will be to own the processes, maintenance, and consumables, and reporting related to analytical chemistry equipment, including but not limited to: ICP-OES, UV-Vis spectrophotometer, laboratory glassware, micropipettes, and pH/ORP probes. Deep understanding of the operation and functionality of the ICP-OES instrument is required. You will work closely with a team of engineers and scientists to set procedures, precisely prepare samples, collect, and analyze data, and generate reports for the Engineering and Commercial divisions. In addition, the lab management aspect of the role requires one to understand the operations and logistics within the lab to keep it running smoothly, including: managing inventory, utilities, materials, and working with EH&S staff to ensure safety and compliance. The ideal candidate ensures the precision, accuracy, safety, and reliability of analytical equipment and techniques and of our R&D and pilot production laboratory.

KEY RESPONSIBILITIES AND ACCOUNTABILITIES.

- The Analytical Chemist- Lab Manager will create and perform standardized analytical methodology required for quality control of lab, pilot, and commercial-scale runs and processes, and contribute to the development of new methodology as analytical capacity of the lab expands.
- Will provide analytical support to factory operations where needed for troubleshooting and plant optimization.
- Will perform data analysis, validation, and reporting of quality control testing on all samples.
 - This includes entry of sample data and analysis results into our Laboratory Information Management System and creating reports for external customers.
- Will be accountable for analytical chemistry lab operations, including but not limited to:
 - Maintain adequate supplies of laboratory consumables; Inventory tracking and ordering of laboratory consumables and chemicals.
 - Receive and process incoming samples for chemical analysis.
 - Perform routine maintenance and troubleshooting of analytical instrumentation.
 - Train new analytical chemistry technical staff on methods and instrumentation
- They will ensure a safe laboratory work environment by adhering to Good Laboratory Practices (GLP) including:
 - Use of Personal Protective Equipment (PPE) as appropriate
 - Cleaning and organizing lab supplies and consumables.
 - Uphold laboratory hygiene policies and procedures in concert with EH&S

QUALIFICATIONS AND EXPERIENCE.

Qualified candidates will possess a strong combination of the following:

- BS or MS in Chemistry
- Minimum of 5 years of experience in an industrial chemistry laboratory
- Expertise in operating, troubleshooting, and maintaining ICP-OES
- Strong organizational skills and attention to detail with an emphasis on establishing good procedures.
- Ability to set priorities, multi-task and adapt to ever-changing needs with the proven ability to function well in a fast-paced environment.
- Ability to do hands-on work to prepare samples and perform experiments.
- Excellent written and oral communication skills
- Working knowledge of Microsoft Office (Word, PowerPoint, and Excel)
- Ability to lift up to 50 pounds to counter height multiple times a day.
- Ability to stand, move around lab and sit up to 8 hours per day.
- Ability to travel 10-20% of the time.



Nth Cycle does not discriminate in employment based on race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

WHERE WE ARE AND WHAT WE OFFER:

- Greater Boston Area
- Full-time, in-person position
- Eligible for Medical, Dental, and Vision benefits where Nth Cycle pays 100% of employee premiums.
- Short and long-term disability coverage
- Basic life insurance and AD&D
- 401k
- Paid time off, company paid holidays, and a Holiday Break at the end of the year

CLOSING STATEMENT.

Consistent with our commitment to diversity & inclusion, we value people with the ability to work on diverse teams and with a diverse range of people. We especially encourage members of traditionally underrepresented communities to apply, including women, people of color, LGBTQ people, veterans, and people with disabilities.

We know the right candidate might not check every box in this job description. You could also have important skills we haven't thought of. If you think you're a great candidate for this role, apply and tell us why. To apply, send us a resume and a few sentences about why you are interested in this position and what you bring to the table. We're looking forward to hearing from you.

Send your resume to careers@nthcycle.com

- Or -

Contact: Pat Perillo, Human Resources, Nth Cycle

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