



IMPACT. SCIENCE. SOLUTIONS.

National Council for Air and Stream Improvement, Inc. Job Description

Position:	Senior Research Scientist, Canadian Operations
Reports to:	Canadian Operations' Principal Research Scientist
Work Week:	Exempt position; 40+ hours per week to meet work demands
Revised:	August 18, 2023
Work Environment:	Montreal Office, potential for hybrid work
Travel Required:	Work may also require some travel

NCASI is seeking a professional for its Canadian Mill Environment & Sustainability Program team. As the Senior Research Scientist, Canadian Operations, you will be conducting work on projects that will directly contribute to addressing the environmental information needs of the forest products industry. In this role, you will be responsible for conducting comprehensive literature reviews and database searches; reviewing technical, government, and peer-reviewed manuscripts; and undertaking systematic process and environmental data analyses. Working closely with other NCASI staff, primarily the Canadian Operation's Principal Research Scientist, you will ensure timely completion of program projects related to air and water quality, environmental release characterization, beneficial use of mill residuals, chemicals management, and sustainability of relevance to the forest products sector. This position will also involve significant interaction with industry trade associations, government at provincial and federal levels, research organizations, and academia.

This is an exciting opportunity to be part of a respected research organization dedicated to improving the environmental sustainability of the forest products industry. If you are passionate about environmental research and seek to make a meaningful impact, we encourage you to apply for this position.

Essential Job Functions:

1. As a contributor to NCASI's Mill Environment and Sustainability Technical Studies Program research projects in Canada, primary responsibilities include:
 - working closely with the Canadian Operations' Principal Research Scientist and other staff members to ensure completion of tasks.
 - executing research activities and technical project work that is topically relevant, scientifically credible, cost-effective, and marked by a significant level of self-direction. This work can include conducting comprehensive literature reviews, database searches, and process & environmental data analyses.
 - preparing timely and original technical reports, journal articles, and other written communications, meeting the highest standards of quality and scientific objectivity.
 - presenting research findings verbally at NCASI and other meetings and conferences.
 - having the ability to read, absorb, process, and communicate complex information.
 - having the ability to get to and work from the Montreal office.

- having the physical capability of carrying out sampling and other study activities at field sites, including the necessity to carry equipment (10 kg or more).
 - following all safety procedures, and wearing safety equipment required at field study locations, including those dictated by local authorities.
2. As a scientist in their area of expertise, maintain knowledge of current issues and technical advances through review of current literature, participate in appropriate professional societies, and communicate with leading researchers and regulatory personnel involved in this field.
 3. As a resource on relevant environmental regulations, maintain knowledge of existing and forthcoming federal and provincial environmental regulations and policy decisions.
 4. As a contact providing technical support to industry:
 - respond to technical and scientific queries from member companies and industry organizations in a clear, competent, and timely manner, striving for delivery of material to be used in responses to member-specific questions within one working day.
 - use critical and integrative thinking skills to identify innovative and practical solutions to member company challenges.
 - maintain a current understanding of industry issues, including basic knowledge of environmental issues outside primary area of expertise but in the context of environmental legislation and policy development.
 - maintain knowledge of NCASI's overall technical studies program, including familiarity with staff skill sets relevant for solving member issues.
 5. As an NCASI representative at conferences, meetings, and off-site visits:
 - present scientifically-sound, credible technical information, and objectively evaluate the potential utility of that information for environmental management decision-making.
 - foster relationships with current member companies as well as with potential new member companies.
 - conduct all activities in a professional manner and maintain sincere work ethic.
 6. As a staff member of NCASI:
 - act in a manner that is honest and respectful of co-workers, exhibiting a strong sense of integrity and candor.
 - undertake research and technical studies in collaboration with other NCASI staff, as appropriate, in a manner that fosters a strong team-based environment that is founded on sharing and learning knowledge from others.

Additional Responsibilities:

1. Undertake additional activities as assigned by Supervisor.

Minimum Qualifications:

1. Ph.D. in chemical engineering, or closely related field, preferably with professional or post-doctoral experience in the forest sector on research and/or technical analyses related to environmental and/or sustainability priorities; or a
Master's degree in chemical engineering, or closely related field with at least 5 years of experience in the forest sector on research and/or technical analyses related to environmental and/or sustainability priorities.
2. Familiarity with the theory and principles of environmental science or engineering, and proficiency in data analysis.

Additional Qualifications:

1. Ability to analyze and interpret process manufacturing and/or environmental data using a methodical approach
2. Knowledge of pulp and paper and/or wood products manufacturing operations
3. Ability to navigate the Canadian environmental regulatory landscape
4. Ability to work with relational databases
5. Knowledge of Microsoft Office and programming languages, such as R and/or Python
6. Outstanding attention to detail
7. Organized self-starter with the ability to work independently and proactively
8. Ability to successfully manage multiple work priorities
9. Excellent verbal and written communication skills in English and, ideally, with facility in French.

To Apply: Please submit your resumé to:

Ilich Lama, PhD.
Principal Research Scientist, Environmental Data Science
NCASI
2000 McGill College Avenue
6th Floor
Montreal, QC H3A 3H3
ilama@ncasi.org

Review of applications will begin on August 1, 2023, and continue until the position is filled.