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Job Description

Position: Senior Research Engineer, Manufacturing Programs
Reports to: Program Manager, Air Program (and other Program Managers as appropriate)
Job Location: Newberry Office and Laboratories, Newberry, FL
Key Terms: Masters, Bachelors, Chemical Engineering, Manufacturing, Process Engineering, Pulp and Paper
Revised: January 15, 2023

National Council for Air and Stream Improvement, Inc. (NCASI) has been providing unbiased scientific research and technical information for almost 80 years to help the forest products industry achieve its environmental and sustainability goals. We are seeking a career-minded individual willing to take on increasing levels of responsibility to fill the Senior Research Engineer position.

Minimum Qualifications:

- Master's Degree in Chemical, Environmental or related Engineering field with 5+ years of experience in manufacturing and process engineering roles. Bachelor's degrees with 7+ years of relevant and wide-ranging process engineering experience will also be considered.
- Deep understanding of pulp and paper manufacturing processes and related environmental topics
- Proven track record of working with inter-disciplinary and multi-stakeholder teams on technical projects.
- Strong verbal, written communication, data analysis and statistical skills.

Essential Job Functions:

The successful candidate will utilize knowledge and experience in fundamental and applied engineering principles in chemical manufacturing, reaction engineering, and environmental science to understand the emissions, releases and environmental fate of organics and other toxics. This individual will serve as a key technical resource to NCASI and its Members on the planning and execution of technical studies in collaboration with NCASI technical and professional staff and the development of data and analyses tools for wide-ranging topics.

The successful candidate will be expected to:

1. Plan and execute technical studies related to air emissions, wastewater treatment and releases, and fence-line/off-site impacts.
2. Develop and maintain understanding of how data on emissions, releases, and environmental impacts are utilized in the development and implementation of air and water quality standards.
3. Develop expertise in the air and water regulatory landscape relevant to forest products manufacturing.
4. Understand the importance of variability and uncertainty and develop approaches to quantify and compensate for these in environmental decision-making.

5. Develop a knowledge of models and tools to estimate secondary impacts of pollutants and be able to apply these tools, or develop new tools as applicable, to represent use-cases and scenarios relevant to NCASI and the forest products industry.
6. Accomplish data reduction/analysis, prepare technical summaries and develop project reports and/or original technical reports.
7. Effectively communicate the results of technical studies at NCASI Meetings, webcasts and other meetings involving scientific and non-scientific audiences.
8. Develop technical material, tools, and/or models that can be used by NCASI Members and regulatory agencies in managing environmental programs.
9. Provide technical support to NCASI Member companies on wide-ranging technical and regulatory compliance issues.
10. Provide strategic and technical direction to NCASI, Member companies (forest products and allied industries), and related trade associations.
11. Serve as the subject matter expert for the industry on relevant issues and fields.
12. Work collaboratively as part of a team-based organizational structure.
13. Read, absorb, and process complex technical information quickly, with the ability to communicate with Members and other stakeholders.

Work Authorization / Insurance Requirements:

- Valid driver's license and driving record insurable at standard rates.
- Get to and work from the Newberry Office and Laboratories in Newberry (Gainesville), FL and travel as the position requires.
- Ability to follow all safety procedures, to wear required safety equipment at field sampling locations, including those dictated by the facility and to assist in moving sampling equipment.

Benefits Effective Immediately:

- Health Care Benefit Package (Medical, Dental, Vision, HSA w/ employer contribution)
- 401(k) plan with company match
- Dependent Care FSA
- Life, Supplemental Life, Disability, and Accidental Death & Dismemberment Insurance
- Identity Theft Protection
- Supplemental Accident and Critical Insurance Available
- Vacation/Sick/Holiday leave

To Apply:

Applicants are requested to provide a résumé and cover letter to Dr. Zach Emerson at zemerson@ncasi.org. Résumé review will begin immediately and continue until the position is filled. NCASI is an equal employment opportunity employer.