

Process R&D Engineer

Cancarb is a leader in the development, manufacture, and global marketing of medium thermal carbon black. With a capacity of 54,000 metric tons per year, our plant in Medicine Hat, Alberta, Canada is the world's largest of its kind. Consistent with our commitment to environmental responsibility our plant is combined with a waste heat power generating facility. The company's Thermax® brand products are supported by local distributors in 44 countries.

We are looking for talented people who have energy for change, can build relationships, and deliver sustainable results.

Responsibilities:

Reporting to the Manager, Process R&D Engineering, the Process R&D Engineer will be challenged to implement innovative methods to optimize the thermal carbon black production process and supporting infrastructure through collaborative and inventive efforts. The Process R&D Engineer will also be responsible for carrying out Cancarb's innovation initiatives in new product development and optimizing environmental processes as well as support the drive to explore scientific research on carbon black production. The role will require a sharp, curious, and creative mind to drive Cancarb's process innovation.

Qualifications:

- Undergraduate Degree from a leading Canadian University in Chemical or Process Engineering.
- 2-5 years' experience in an industrial or plant environment, preferably hydrocarbon-based.
- Self-driven with a proven track record of active, hands-on participation in a challenging industrial plant. Equally comfortable operating in an office environment.
- Experience in the areas of process analysis and data analytics and industrial process control considered an asset.
- Experience in Project Management in a process or power plant environment would be advantageous.
- Strong analytical and problem-solving skills combined with a keen attention to detail.
- Excellent computer skills including Microsoft Office and CAE software.
- Experience in Microsoft Excel spreadsheet automation and PI System is desirable.
- Exceptional written and verbal communication skills across many work groups and individuals.
- Ability to manage and complete multiple tasks and challenges concurrently.
- Valid Driver's license and willingness to travel as required.
- Current engineer-in-training (E.I.T.) or professional engineer (P.Eng.) designation.

This position requires candidates to:

- Plan and manage the implementation of innovative projects to optimize the thermal carbon black production process.
- Develop management of change (MOC) requests for new projects and participate in hazard and operability studies (HAZOPs) as required.
- Support process improvement strategies.
- Support the development of new processes for higher efficiency and cost effectiveness.
- Conduct trials using Cancarb's pilot and production scale reactors, including assembly and maintenance of testing facilities and equipment.
- Collaborate on new applications, product development and product studies and evaluations.
- Monitor and report various operating statistics related to carbon black production and recovery.
- Provide technical support and participate in major environmental and process improvement capital initiatives.
- Support sustainability projects.
- Monitor and follow technical trends in the production of carbon black and related products.
- Support strategies and responses to changing technology and market conditions.

- Interact and work closely and consistently with R&D, Operations, Maintenance, Quality, and Marketing personnel to ensure the Process R&D activities are aligned with the Company's strategic goals, policies and procedures.
- Support projects and studies with Cancarb's parent and sister company research and development teams.
- Attend technical, scientific and equipment conferences to ensure awareness of the most advanced industrial technologies.

We offer a dynamic, team-oriented, and individually rewarding work environment, including a competitive compensation package.

Those who satisfy the above requirements and are interested in applying for this position are invited to send their resume, quoting "**Process R&D Engineer**" to recruitment@cancarb.com, by October 31, 2024.

Thank you for your interest, only candidates considered for an interview will be contacted directly.