



SENIOR PROCESS ENGINEER, P.ENG.

CALGARY, ALBERTA

Swirltex Inc. (Swirltex) is focused on the development and application of innovative technologies for treatment of difficult wastewater streams. Our expertise and solutions have demonstrated the ability to provide clean consistent water for reuse applications. Our patented process and modular system saves energy, is economical, and provides a service to customers where they need it when they need it.

Since the beginning we have thought about innovative ways to manipulate an incoming waste stream that enhances conventional treatment. We are focused on our customers and are always developing new solutions to meet their challenges. We carry a team of experts in produced water, municipal wastewater, industrial water treatment, and food & beverage wastewater.

Our vision is to change how water filtration has been done in the past to help industries and municipalities turn a waste into a resource towards a Net Zero Water future.

Purpose of the Position

At Swirltex we are always striving to do things differently! We are looking for a Senior Process Engineer who thinks outside of the box and is looking to work with an exciting innovative wastewater treatment technology. As an energetic, highly motivated team player, the successful candidate will also have in-depth knowledge of various wastewater treatment technologies and applications.

At Swirltex, our team is the key to our success. We take pride in recruiting the best talent available for all areas of our business.

Responsibilities and Accountabilities

- Process design and equipment sizing for Swirltex wastewater treatment systems
- Process engineering design to size/select individual components that support overall system design, such as piping systems, chemical feed systems, and process-specific treatment systems
- Collect background data on water/wastewater infrastructure and community requirements
- Collect and analyze data specific to project scope
- Analyze data on water/wastewater infrastructure
- Assess existing water/wastewater infrastructure
- Coordinate with the drafting team to develop detailed design drawings
- Develop front-end contract specifications for procurement

- Assist with construction management activities, such as reviewing budgets, schedules, shop drawings, requests for information enquiries, contractor progress claims, material performance test reports, etc.
- Oversee the work of technical staff
- Assist in mentoring junior staff with day-to-day activities, answering questions, and providing best practice guidance
- Assist junior engineers with workflow and prioritization of tasks so that timelines and deliverables are met, and projects are completed within the budget
- Establish report/study outlines that meet the project deliverable requirements
- Create training materials and train customers and operators on Swirltex technology.
- Installation and commissioning of new equipment at customer sites.
- Actively communicate and engage stakeholders.
- Assist with the commissioning of water/wastewater infrastructure

Qualifications

- B.Sc. in Engineering. Degrees in Civil, Civil-Environmental, Mechanical, or Chemical Engineering are preferred
- Must be in good standing as a registered Professional Engineer (P.Eng.)
- 10+ years' experience in a technical role in the wastewater treatment industry.
- Minimum 5 years directly involved in the design/fabrication/installation/operation of water and/or wastewater treatment systems
- Substantial experience in the following key technology areas: ultrafiltration, DAF, Settling clarifiers, biological treatment, wastewater nutrient removal (ammonia, nitrates, phosphorus), metals removal.
- Excellent customer service skills with a focus on relationship building.
- Excellent problem solving and analytical skills
- Excellent written and oral communication skills.
- Demonstrated ability to work in a collaborative team environment with engineers, trades, programmers, and technical professionals

Location and Travel

- Calgary, AB
- Travel: Up to 30%;
- Must have a valid passport and driver's license;

We thank all applicants for their interest in our organization, however; only those selected for an interview will be contacted.

Please email resume and cover letter to careers@swirltex.com