



Process Engineering Designer Job Description

OUR MISSION: *Absolute / exceptional customer satisfaction is why we exist. We promote global sustainability by maximizing water recovery and minimizing chemical consumption / footprint. We are proud of our reputation as process water specialists in the industries we serve, and we support our technology long after installation by providing ongoing parts and service support.*

Position Summary

We are seeking a skilled and detail-oriented Process Engineering Designer to join our team. This role will focus on designing, developing, and optimizing processes for wastewater recovery and treatment equipment, ensuring compliance with environmental standards and efficiency. Future growth paths for this role ideally include larger participation in Kontek's Project Management team, including coordinating projects with other departments, providing updates on project progress, and ensuring that all stakeholders are informed of any changes. Employees perform multiple roles daily, so teamwork is an integral component in almost all activities. The ideal candidate will have expertise in process engineering, a strong understanding of wastewater treatment technologies, and experience with design and implementation in a complex, regulated industry.

Benefits

- Health & dental insurance plans for you & your family
- Paramedical healthcare spending account
- Life & LTD insurance
- RRSP program with company match to 3%
- Competitive paid vacation package
- Education & tuition reimbursement program
- Discounted executive gym membership

Kontek welcomes and encourages applications from people with disabilities. Accommodations are available on request for candidates taking part in all aspects of the selection process.

Core Responsibilities

- Design, develop & produce process PFDs, P&IDs and mass balance calculations
- Develop treatment protocol and establish equipment sizing criteria
- Provide technical evaluations and supporting analysis, reports and specifications
- Remain current with evolving water and industrial wastewater process technologies
- Document changes to process scope and design
- Provide project support, peer reviews and technical direction for other engineering staff
- Support site audit, installation and commissioning activities as required
- Establish and maintain open communication with customers, suppliers and Kontek personnel on design issues and requirements to ensure seamless delivery of quality Kontek products and services



Secondary/Future Responsibilities

- Coordinate and manage project activities to ensure successful completion of the project.
- Develop and maintain project plans, schedules, and budgets.
- Monitor progress of the project and report any issues to management.
- Communicate with stakeholders to ensure project goals are met.
- Develop and implement processes to ensure successful project delivery.
- Manage resources, including personnel, equipment, and materials.

Work Environment

Work is performed in an office environment, but includes time spent in our manufacturing facility and at customer sites. Must be able to travel to customer jobsites both domestically and internationally (valid driver's licence and passport). All employees are required to follow safety standards and wear all personal protective equipment in designated areas.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential function of this job. While performing the duties of this position, the employee will regularly be required to walk, stand, use hands and fingers, listen & speak.

Knowledge, Skills, Ability, Education, Experience:

- Undergraduate or graduate degree in chemical engineering, or a minimum of 3 years of experience in water and wastewater systems design, operations and engineering
- Registered Professional Engineer or eligible for registration with PEO
- Knowledgeable about various water treatment processes including redox reactions, precipitation, lime softening, clarification, filtration, dewatering, ion exchange and membrane technologies
- Capable of developing new, proprietary and innovative process solutions
- Familiarity with metals, mining and industrial wastewater processing technologies, techniques and related equipment a definite asset
- Excellent written and verbal communication skills are essential
- Willing and able to travel domestically and internationally
- AutoCad experience is an asset
- Project management training and/or experience is an asset