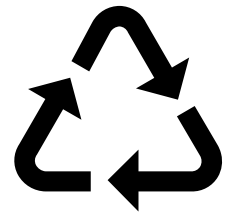


Senior Wastewater Process Engineer

Microvi Biotech Inc. – Hayward, CA

Microvi, a global provider of innovative biological technologies, has an exciting opportunity for a wastewater process engineer with talent and drive to join our water and wastewater division. You will be working as part of a small, yet skilled and experienced global engineering team to implement Microvi's suite of wastewater technologies into the water industry. You will be involved in projects from early-stage design and prototype work to full-scale design and commissioning, so a combination of strong desk-based engineering and practical hands-on abilities will be required to successfully fulfil the role. An ideal candidate will have experience in all stages of product development in this sector to help drive products throughout their entire lifecycles.



Responsibilities may include, but are not limited to:

- Work with Microvi's product development team to develop and implement prototype at lab and pilot scale for technology development and full-scale design purposes
- Support business development/sales teams with enquiries and development of proposals as well as technical presentations to clients, consultants and contractors
- Prepare the process design and specification of full-scale, demonstration, and pilot systems at all project stages (initial budgetary, preliminary, firm proposal, implementation)
- Develop the basis of design, undertake detailed calculations to develop the design and the heat & material balance, and be responsible for the accuracy of these calculations
- Prepare Process Flow Diagrams, Equipment specifications, Process Descriptions, Control Philosophies, and P&IDs for review and approval
- Perform safety related calculations and provide input to HAZOPs, SIL, and other safety reviews as directed
- Undertake process design work as required and check work on the project as appropriate
- Ensure a high standard of safety is achieved and Environmental and Quality Assurance procedures are followed
- Ensure that design methods, standards, and data used conform with Client's requirements and those issued by Microvi
- Liaison with contractors and clients in implementation of on-site systems
- Prepare/review of operating and maintenance manuals
- Supervise and operate pilot demonstration systems, providing direction to partners, clients, plant operators and junior staff
- Lead process commissioning of full-scale installations
- Analyze process performance data to create empirical/mechanistic models for use in developing process design tools
- Develop and apply process design calculations of Microvi's system for integration into treatment processes
- Further develop Microvi's technology alongside other engineering disciplines and third parties
- Prepare and publish articles for technical journals and industry press
- Prepare and deliver presentations at technical conferences
- Supervise and mentor junior staff

Qualifications

- Chemical or Environmental Engineering degree or equivalent
- Certification or licensing as an engineer desirable but not essential
- Minimum 5 years' experience of wastewater ideally within a process contractor, technology vendor or engineering consultant
- Past experience in innovative technology development desirable but not essential
- Process / Mechanical commissioning experience and/or pilot plant operation of wastewater treatment facilities
- High degree of design and operational expertise on traditional and new and upcoming wastewater treatment technologies
- Understanding of current and future legislation and other drivers for the wastewater industry
- Prepared to travel across the US and internationally (where required) for short durations
- Proven track record of presenting at technical conferences

Attributes

- Ability to communicate effectively across the water industry community such as:
 - Clients (Managers, Engineers, Operators)
 - Engineering and Environmental consultants
 - Regulatory bodies

- Contractors and Fabricators
- Self-motivated, with a particular desire to develop new technology and capabilities
- Strong interpersonal skills, with a strong ethos towards teamwork and collaboration both internally and externally
- Strong network across the water and wastewater sector

Benefits

- Health insurance premium subsidy
- Health Savings Account (HSA) contribution
- Paid time off (PTO)
- Pregnancy leave

Location – Hayward, CA – MUST RELOCATE, IF NEEDED, TO THE SAN FRANCISCO BAY AREA

Please email your resume or CV to careers@microvi.com

Our team looks forward to reviewing your application!

About Microvi

Microvi is a green technology company based in the San Francisco Bay Area that delivers next-generation biotechnologies for the water, wastewater and renewable chemical industries. Anchored by a market-driven R&D philosophy, Microvi turns early-stage interdisciplinary research into smarter, smaller, faster and cleaner commercial products. Microvi offers commercial technologies around the world to reduce waste, increase productivity and provide disruptive economics across the value chain. Learn more at www.microvi.com.