

Overview



Headquartered in Old Saybrook, CT, Infiltrator Water Technologies is the leading provider of engineered plastic chambers, synthetic aggregates, tanks, and accessories for the onsite wastewater and storm water industries. Founded in 1987, we operate throughout the US and Canada with 8 manufacturing plants in the US, dedicated sales, and corporate team members. Infiltrator is a pioneer in innovative plastic technologies for underground wastewater management. Infiltrator's products are used in most septic systems installed in the United States and Canada.

Some of our core values include promoting innovation at all levels of the organization, integrity, and environmental responsibility. Please visit us at www.infiltratorwater.com for more exciting details about our company.

Responsibilities

We seek a self-driven, highly motivated wastewater research engineer with a strong background in wastewater treatment processes to address a variety of technical opportunities. The primary focus is to conduct the research of advanced treatment of wastewater to achieve immediate and long-term market goals of the company and to lead research activity of systems installed at test sites across the country and provide direction based on analysis of data from installed systems. The candidate must have a thorough understanding of wastewater treatment processes for small- and large-scale systems. The engineer is responsible for designing and conducting experiments toward the development and improvement of wastewater treatment systems. This position is responsible for developing a test plan, analyzing the data, and interpreting the results. The company is in an exciting transition period and this new position will help accelerate and support growth initiatives.

Areas of research focus

- Research improvements to design of commercial and residential wastewater treatment products with goals targeting cost reduction and improved wastewater treatment performance.
 - Conduct research of advanced treatment of wastewater systems to develop next generation products. Research on technologies to address

deficiencies of current design vs. competitive technologies in current markets and to address future markets.

- Research improvements to design of commercial wastewater treatment products commercial [flows of 10K to 500K Gallons per day] to improve effluent quality while maintaining value to customer.
- Identify areas of improvements for residential systems through discussions with business teams and Engineering. Develop systems that provide the best nitrogen reduction performance in the market to allow us to compete in areas with evolving regulations in this area.
- Manage research conducted at research test sites with project teams consisting of engineers, technicians, and vendors.
- Tabulate and analyze data from various research systems to determine direction of experimental iterations.

Responsibilities

- Manages research programs of advanced treatment approaches for wastewater to meet criteria of target markets.
 - Work with technical and commercial teams to generate leading wastewater treatment solutions through existing technology improvements and development of new technologies.
 - Perform conceptual analysis of research ideas to prior to commitment to full development activities towards the program.
 - Generate experiment plans for research programs in concept stage and identify resources required for research of potential solutions to improve existing products.
 - Perform and document technical analysis of data from research programs to evaluate effluent quality for compliance with water quality standards set by target markets relevant to each research program.
 - Develop leadership position in the industry through presentations at industry conferences, participation on technical committees and authoring publications
 - Write memos to document research recommendations, implement recommendations as needed and provide technical assistance for various groups in the company.

- Provide guidance and training to less experienced staff in area of advanced wastewater treatment.
 - Provide support to manage research systems at test sites and in the field.
 - Participate in program team meetings and provide technical direction for various programs.
 - Provide support to document critical needs and wants as well as financial benefits for potential solutions for target markets based on commercial and technical feedback.
 - Communicate results of research programs in the form of technical reports and presentations to management, team members and business groups.
- Research new technologies with respect to wastewater treatment through conferences, webinars, technical document research.

Skills

- Four years degree or higher in environmental engineering or civil engineering
- 10 years or more experience in wastewater industry specifically in a direct engineering or research function involving water flow management, mechanical equipment, and data analysis.
- Experience in wastewater treatment and should have understanding of wastewater biology as well as treatment mechanisms.
- Preferred experience in research projects involving wastewater treatment.
- Experience working with teams of engineers and technicians.
- Proficient in presentations, technical reports, and situational analysis.
- Proficient in Microsoft Word, Excel and PowerPoint.

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