



engineered **COMPOST** systems

Job Description: ECS Compost Scientist

About Engineered Compost Systems

ECS was founded in 1999 to provide technical services and products for large-scale composting facilities. We are technically rigorous, science-based, focused on continuous improvement, and offer best-in-class client support. We have developed a strong brand in the composting industry and are the vendor of choice for many industry leaders. Our staff includes engineers, technicians, scientists, administration, and IT specialists. Our work touches on most fields of engineering as well as on biology, chemistry, regulatory practices, construction, and finance. ECS staff share a sense of curiosity, enjoy learning, care for each other and the environment, and are adaptable. Our focus on keeping the work environment engaging and fun has contributed to average employee tenure of over eleven years.

Position: Compost Scientist

We are looking for a candidate with a degree in hard science and some related work experience who will be excited to train up to become a Compost Scientist. Ideally this candidate would have a MS and 1 – 2 years combined experience working in a laboratory and doing field studies. We are willing to consider work experience in lieu of a graduate degree. The successful candidate will initially focus on operating the ECS Compost Process Laboratory and supporting field testing and research. The career goal for this position is to assume a lead role in delivering ECS's science-based compost process consulting and our internal and client funded research efforts.

Compost Scientist responsibilities will include the following:

- 1) Operate ECS Compost Process Laboratory
 - a. Carry out both client and internally funded research in the ECS compost process laboratory.
 - b. Continue to develop and improve laboratory equipment and procedures.
- 2) Field Testing
 - a. Oversee and carry out air emissions sampling, arrange outside laboratory analysis, and use the results to model full-scale emissions of both regulated gasses (VOCs) and odors.
 - b. Travel to client facilities to conduct audits that include assembling and analyzing a broad range of process data. Use this data to develop strategies to help client improve processes and better comply with regulations.
 - c. Oversee the operation a ECS pilot systems aimed at developing design and operational specifications to best meet client goals.

3) Compost Research

- a. Stay current on published compost science and forge relationships with other compost researchers.
- b. Lead both in-house and paid compost research efforts in the fields of compost process optimization and measurement and control of compost air emissions.

4) Technical Support of Facility Permitting

- a. Support client permitting consultants in the effort to negotiate reasonable, science-based permits that seek to combine both better optimized process and reduced environmental impacts.

5) Represent ECS's Technical Achievements

- a. Present technical papers at conferences
- b. Write technical articles for industry and scholarly publications
- c. Write ECS whitepapers
- d. Contribute technical content to ECS newsletters.

6) Advocate for Science-Based Composting Regulations and Permitting Processes

- a. Attend regulatory symposiums
- b. Look for opportunities to present to rule makers
- c. Participate in legislative work groups

This full-time position will initially require the employee to work 3 days a week at our Seattle office and have permission to work in the USA. This position will require intermittent travel in North America; on average overnight trips will not exceed ten per year and the majority will be to the west coast destinations and of short duration.

Facility audits will require the employee to be fit enough to work out in the open in all types of weather, climb up and down large compost piles carrying instruments and sampling tools, and spend hours at a time actively moving around large composting facilities.

ECS offers competitive salaries and performance-based bonuses, an extensive benefits package, and flexible working hours and arrangements.

If you want to help the planet and believe that you have the skills and the drive to succeed at this position, please respond to jobs@compostsystems.com with a cover letter and your resume.