

Job Title:	Pilot Plant Technician	Job Category:	Process Operations
Department/Group:	Research & Development	Position Type:	Full-Time
Location:	Hyde Park, MA and Wareham, MA	Travel Required:	Yes, between sites
Hours:	Flexible 6a – 8p	Compensation:	\$25 - \$35/hr
HR Contact:	Jessica Sweeney	Date posted:	2/1/2024
Will Train Applicant(s):	On-the-job Training Available	Posting Expires:	6/1/2024

Company Description: A small company focused on decarbonizing the transportation sector in Massachusetts. The business is focused on the development of critical fluid technologies, including internal and contract research, process design engineering and manufacture, and pilot processing. CF Tech has a laboratory, pilot plant and full machine, welding, fabrication and assembly shop for manufacturing DurOLok pressure vessels and critical fluid processing systems and components. CF Tech is committed to developing renewable liquid fuels.

Job Purpose:

CF Technologies, Inc. is hiring a process technician to operate a mobile demonstration system, producing biofuel from waste streams. The process technician works under a senior process chemical engineer and will follow a specified Standard Operating Procedure for both waste grease dewatering process equipment and supercritical conversion processing equipment. The process technician will operate manual process operations such as material loading, material draining, valve switching and data parameter monitoring and record keeping. Key operations also include maintenance, data reporting and equipment upkeep. Equipment location is a waste-water treatment center with waste grease receiving and handling. The processing technician will ensure safe, reliable operation while producing high quality, on-spec biofuels.

Duties & Responsibilities:

- Maintain safe operations by adhering to safety procedures and regulations.
- Datalogging and setting parameters and recording operational anomalies and operations and summarize learnings and recommendations.
- Manage hazardous material inventory.
- Maintenance of instruments, motors and equipment, including regularly scheduled and surprise needs.
- Occasional testing and calibration of instruments, checking instrumentation wiring and power connections.
- Maintain a well-organized, clean and orderly work area and project documentation.
- Work with engineering department to review and prepare experimental protocols, plan sequence of operations and determine consumables required. Work with purchasing to maintain spare parts and consumables in proper quantities.
- Operate equipment including extractor, reactor, heat exchangers, pumps, and mixers.
- Manage documented and labeled sampling, and prepare for shipment to laboratories.
- Timely response to paperwork requirements, including administrative requests.
- Provide management a weekly status report, and by request.
- Contributes to Company team for efficient operations e.g. by accomplishing related duties as needed.

Requirements:

- Operational Safety Training.
- Ability to self-motivate and remain focused and alert.
- Physical ability to lift heavy equipment (up to 50 lbs), load feed tank from 5 and 10 gallon pails.
- Familiarity with prototype industrial processing equipment and process engineering principles.
- Ability to read process block flow diagrams and process piping and instrumentation diagrams.

Skills/Qualifications:

- Exhibit qualities such as heightened levels of attention to detail and process responsibility.
- Oral and written communication, in English, with co-workers and management.
- Hands on experience with basic tools.

Preferred Experience and Skills:

- OSHA Safety and Occupational Training
- Bachelor's Degree in the sciences or High School diploma equivalent with trade experience.
- Computer skills: Programming Proworx, C-More HMI; Microsoft Suite including Power BI, Excel, Word and Powerpoint; CAD drawing; process simulation and thermodynamic molecular modeling.