

Lab Technician

Apply a working knowledge of fundamental principles, terminology, and methodology to extract samples and perform laboratory tests and analyses. Execute field laboratory analysis, focusing on detail and critical measurements for volume and weight. Perform routine maintenance on equipment, custodial duties, and related duties as required.

Responsibilities and Activities

In the performance of these activities, the incumbent performs the daily operations of the assigned facilities, must produce quality, accurate work and be able to detect and correct errors; use sound judgment to act decisively; assess problems and evaluate alternative solutions; comply with all health and safety procedures, and carry out the policies and objectives of RIRRC.

LABORATORY

- Involves technical and practical work in carrying out process control sampling and testing.
- Collect both grab and composite samples and perform routine in-plant lab tests as required.
- Perform analyses in compliance with current approved methods.
- Record all data for process interpretation.
- Assists the plant operator in maintaining the system in compliance with permit requirements.
- Follow all and develop new quality procedures to ensure data accuracy.
- Operate and properly maintain all laboratory equipment and ensure that equipment is calibrated and functioning properly.
- Accurately complete all essential quality assurance/quality control testing.
- Maintain laboratory chemical supplies inventory.
- Perform periodic routine and preventive maintenance on laboratory equipment.
- Report to the Manager any supplies that were used and inventory current stocks.

OPERATIONS

- Assist in all daily operations in compliance with permit requirements.
- Operate and maintain all equipment necessary to ensure the proper operation of the treatment plant, pump stations, underdrain treatment system, and the OU-1 pump and treat system, and other systems as assigned.
- Must follow established procedures to perform standardized or routine tasks.
- Record all monitored data and personal observations on a daily basis.
- Make daily rounds of the treatment facilities and grounds.
- Receive hazardous materials (chemical deliveries) and complete appropriate paperwork.
- Respond to alarms or operational problems at all facilities and take corrective action based on defined procedures or manager's direction.

- Perform ground maintenance work such as snow removal and landscaping at all treatment facilities.
- Calibrate facility process instrumentation such as pH, ammonia, nitrate, and DO probes.

Minimum Requirements

- Certification or Associate's degree in the wastewater field, environmental sciences, or other technical field.
- Minimum two to four years demonstrated lab and analysis, including experience in the use of analytical laboratory equipment, methods, and procedures; working knowledge of laboratory equipment including pipets, scales, spectrophotometer, microscope, and other typical lab equipment.
- Knowledge and experience in collection system operation and maintenance, work zone safety; operating pumps, gauges; and other common industry tools.
- Ability to follow verbal and written instructions on all equipment.
- Intermediate math skills, including decimals, fractions, performing calculations such as percentages and ratios.
- Logical thinking and analysis skills to detect and correct errors and analyze data output.
- Able to be on call and on a rotating on call system. Must be able to respond to alarm calls within 30 minutes.
- Must possess a valid driver's license.
- Must possess a valid state-issued water or wastewater operator's license within one year of employment.
- Must obtain an in-house fork lift certificate.
- Read, write, and speak English.
- Process proficiency with computers that includes the ability to work with SCADA System, Microsoft Office, especially Excel and Word.
- Other computer and keyboarding and mouse navigation skills as required to fulfill job requirements.
- Ability to read and understand blueprints.
- Strong verbal, written, listening, and interpersonal skills.
- Ability to work collaboratively in a team environment.

Physical/Environmental Requirements

Some work performed in usual office conditions with some exposure to occupational or environmental hazards. The primary duties of this position are performed in all areas of the treatment systems and outdoor environment with adverse weather, possible exposure to chemicals and materials, exposure to raw leachate/wastewater, working in confined spaces and in traffic zones. Must be able to lift/move/carry up to 50 lbs. Must be able to operate keyboard/mouse and computer; walk/stand, pull/push, and sit for extended periods of time.

Frequently required to use hands to finger, handle, or feel; reach with hands and arms; and detect odors. Ability to quickly move hands, hands together with arms, or two hands to grasp, manipulate, or assemble objects.

Ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue, ability to use abdominal and lower back muscles to support part of the body repeatedly or continuously over time without "giving out" or fatiguing, ability to quickly and repeatedly bend, stretch, twist, or reach with body, arms, and/or legs.

If you are qualified and interested, please submit your cover letter and resume to humanresources@rirrc.org by Noon on September 9, 2016.