

Water and Waste Water Systems Technicians



The Rwanda Institute for Conservation Agriculture (RICA) is a unique and innovative English language undergraduate institution dedicated to preparing the next generation of agricultural leaders of Rwanda and East Africa. Students at RICA will engage in curricular and co-curricular learning opportunities emphasizing Conservation Agriculture and One Health principles, oral and written communication, leadership, and entrepreneurship.

In an experiential learning environment, students will develop the knowledge and experience necessary for a wide range of careers in agriculture. Students at RICA will experience the six Enterprises including Beef Cattle and Small Ruminants, Dairy, Poultry and Swine, Row and Forage Crops, Vegetable and Tree Crops, Irrigation and Mechanization. The curriculum is designed to incorporate threads of Innovation, Conservation, OneHealth Systems Thinking, and Entrepreneurship. Communication, One Health Systems Thinking, and Entrepreneurship are woven throughout the curriculum. All RICA graduates will be innovative problem solvers able to operate farms and ranches, start agribusinesses, assume management roles in cooperatives, NGOs, and other agricultural enterprises, serve their communities as extension agents and technical and policy experts, or assume positions of agricultural leadership in Rwanda.

DESCRIPTION

We are seeking two Water and Waste Water Systems (W&WWS) technicians to operate and maintain both Water Treatment Plant (WTP) and Sewage Treatment plant (STP) as well other Water systems at RICA with minimum supervision. Water and Waste Water Systems technicians will assure that Water and Wastewater systems are well-maintained and continuously monitored, operationally efficient, in compliance with manufacturer guidance. They will work within Facilities Department to contribute to the smooth running of the Campus facilities, reporting to the Water and Wastewater Systems Manager.

The RICA water systems infrastructures include water treatment plant (Culligan), Sewage treatment plants (Bannow), Lake abstraction (Intake pumping systems), HDPE pipe systems, water storage facilities, building with interior plumbing (toilets, sinks, piping). The Water systems facilities also includes several electro-mechanical installations relating to the pumping systems of water to irrigation system (pivots and drip irrigation).

RESPONSIBILITIES

- Assist W&WWS Manager in the custodial duties, daily operation and maintenance and repairs of Water and Wastewater Systems with minimum supervision.
- Add and mix chemicals for treatments (Coagulants, Flocculant, Disinfectants, etc.)
- Inspect equipment on a regular basis and check if there are in normal condition (PLC, alarms, Pumps, filters, etc.) and monitor operating conditions, meters, and gauges of

water and wastewater systems.

- Collect samples of water and wastewater and test them in water Lab and closely monitoring that the quality of treated water and effluent are meeting the standards
- Record meter and gauge readings, and operational data and provide daily report of WTP and STP status
- Making installation, modification, maintenance, and repair of plumbing fixtures for drainage and water systems (Fixing sinks, toilets, showers, Heaters, etc.)
- Clean and maintain equipment, tanks, filter beds, and other working areas
- Working in shift rotations, including night and weekend shifts.
- Any other work which may be assigned by his/her supervisor

MINIMUM QUALIFICATIONS

- High School Diploma in science, plumbing, construction, water treatment or related technical field (or/and having water and wastewater treatment operation Certificate).
- 5 or plus years of experience with Water and Wastewater systems operation and maintenance
- Knowledge of the chemical and physical processes in water and wastewater treatment
- A good understanding of Water infrastructures drawings.
- Good communication skills and team working spirit
- A valid driving license, class B.

PREFERRED QUALIFICATIONS

- Advanced diploma in Water engineering, mechanical engineering, environmental chemistry, or other related technical field
- Strong analytical capabilities to troubleshoot and correct issues
- 2 years of experience with water and wastewater treatments plants works
- Having worked with known water and/or wastewater treatment plant in Rwanda is added value as well as Plumbing and mechanical Skills
- Good communication skills.
- A valid driving license, class B.

HOW TO APPLY

- Fill the information required, upload and submit the documents in English to the link provided below.

Please combine your resume/CV with your degree certificate as one PDF file before you upload.

Application Link

<https://rica.bamboohr.com/jobs/>

Application review will begin April 11, 2022 and will continue until the position is filled.