Rotary Club of Eziama-Sunrise Aba

CREATE LASTING IMPACT THROUGH ROTARY

WATER HEALTH COMMUNITIES SUSTAINABILITY

PROJECT

WATER QUALITY TESTING AND MONITORING LABORATORY



Safe Water | Healthy People | Sustainable Communities

Providing reliable water quality data for a healthier tomorrow.

OUR GOAL

To establish a standard, sustainable and accessible Water Quality Testing and Monitoring Laboratory at the Abia State College of Health Sciences and Management Technology, Aba, to strengthen water safety, disease prevention, environmental health and evidence-based WASH management.

OUR OBJECTIVES

1. Provide reliable water quality testing (microbiological, physicochemical and other analyses).
2. Strengthen routine water quality monitoring (samples, testing, recording, reporting).
3. Detect contamination early and provide timely information on risks to human health.
4. Support the ongoing WASH Global Grant project #2573081 with laboratory-based water quality data.
5. Build local technical capacity through training of students and relevant personnel.
6. Promote evidence-based public health interventions and hygiene promotion.
7. Support healthcare facilities, schools, businesses and communities in verifying water safety.
8. Establish a sustainable water quality surveillance system through multi-stakeholder collaboration.
9. Generate and maintain water quality data to identify trends and emerging threats.
10. Ensure compliance with Nigerian water quality standards and strengthen awareness of safe water.
11. Establish a financially sustainable, not-for-profit laboratory with cost-recovery services.
12. Create a platform for research, education and innovation in water quality, WASH and disease prevention.
13. Strengthen long-term institutional capacity for continued operations beyond Rotary's direct involvement.

KEY BENEFITS

HEALTHIER COMMUNITIES
Reduces waterborne diseases and protects public health.

SAFER WATER SUPPLIES
Ensures water from boreholes, wells, healthcare facilities, schools, businesses and communities meets safety standards.

DATA-DRIVEN DECISIONS
Provides reliable information for effective WASH and environmental health interventions.

CAPACITY BUILDING
Trains students, health workers and stakeholders in water quality testing and monitoring.

ENVIRONMENTAL PROTECTION
Helps prevent contamination and safeguards our natural resources.

SUSTAINABLE IMPACT
Builds a self-reliant laboratory model for long-term community benefit.



PROJECT BUDGET
$78,794,000

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Together we can make clean water a reality.