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KENYA WATER INSTITUTE KEWI Fountain Of Water Knowledge

WEEKLY Newsletter

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KEWI Rallies Behind First Lady in Calling for Unity around Water Use for Peace

Cabinet Secretary, Ministry of Water, Sanitation and Irrigation Hon. Zachariah Njeru, EGH flanked by guests among them Charlene Ruto (second from right in a white sports suit) and KEWI CEO, Dr. Leiro Letangule, EBS (on his immediate left) donate stuff when he visited Mindililwo Special School during this years World Water Day Celebrations.

BY PIUS KIMANI

The First Lady of the Republic of Kenya, Mama Rachel Ruto, EGH, has underscored the need for concerted efforts to substantially increase water-use efficiency across all sectors, as this would help address conflicts that arise as a result of the scarcity of the priceless commodity. This is during the 32nd World Water Day celebrations under the theme **'Water for Peace'** that were held in Eldoret Town.

In a speech read on her behalf by Cabinet Secretary, Ministry of Water, Sanitation, and Irrigation Hon. Zachariah Njeru EGH during a Gala Dinner, Mama Rachel has noted that unmet water demands were prone to sparking tensions

HIGHLIGHTS

3 **Staff Acquire Knowledge and Tools on Non-Revenue Water Management**

5 **Institute Equips New Trainers with Cutting-Edge CBET Curriculum Techniques**

6 **Guidance and Counseling Session on Need Analysis**

7 **Short Course Training**

KEWI Rallies Behind First Lady in Calling for Unity around Water Use for Peace

between and within communities and countries, and thus a combined attention is needed to make water a stabilizing force and a catalyst for sustainable development.

"Inadequate water and sanitation have significant economic and social implications...we run the risk of running out of this priceless resource if we don't start conserving our water resources today," she said.

Mama Rachel further noted that cooperation on water creates a positive ripple effect by fostering harmony, generating prosperity, and building resilience to shared challenges.

"…all sectors must engage in the conservation and protection of water sources, including catchments, groundwater aquifers, and wetlands," she added.

Her statements were echoed by Hon. Njeru, EGH, who noted that, as a conflict mitigation measure, the ministry was pursuing several intervention initiatives, such as the implementation of the Water Act 2016 and other national and international policy instruments.

"The promulgation of the Constitution of Kenya 2010 escalated the water sector reforms, requiring that the

existing institutional legal frameworks be reviewed to ensure the right to water for all Kenyans is achieved," Hon. Njeru is quoted.

Hon. Njeru observed that effective implementation of the laid-down reforms will enhance the quality of the services and lead to an attractive environment for increased investment in the sector.

Hon. Njeru also noted that the ministry was strengthening water education, training, research, and innovation in order to be responsive to the needs of the water sector. This assertion sits well with Kenya Water Institute (KEWI) since a bill, Kenya Water Training and Research Bill 2024, which seeks to enhance the institute's mandate, presence, and authority in the region's water sector, is in the advanced stages of being approved and signed into law. Once approved, the bill will enhance the institute's mainstreaming of emerging and cross-cutting issues in the water sector.

During the event which had been scheduled to take place in Elgeyo Marakwet but later rescheduled due to unavoidable circumstances, KEWI was represented by Chief Executive Officer Dr. Leiro Letangule, EBS who joined other high-level guests in marking the day.

Other events that were undertaken to mark the day included visiting Mindililwo Special School in Iten, visiting Illula School for the Albinos and visiting Two Rivers Dam Project

In KEWI Campuses, Dr. Emily Chepkoech, Principal Kisumu Campus led the institution in marking the day at Maseno University while Mr. Paul Rarieya, Principal Chiakariga Campus, led staff and students in celebrating the day at Tharaka Nithi County headquarters.

After participating in a sensitization procession, the Chiakariga team later managed to plant trees at county headquarters and at a Nithi water treatment plant.

Staff Equipped with Knowledge and Tools on Non-Revenue Water Management

KEWI members of staff during a training session on Non-Revenue Water (NRW) Management at IHE Delft Institute for Water Education the Netherlands.

BY SIMON NDEWENI

Kenya Water Institute's (KEWI) journey towards attaining its authority as a Non -Revenue Water (NRW) centre of excellence gained an extra rave review after five of its members of staff concluded a tailor-made training on water loss management that was held at IHE Delft, the Netherlands.

The training, which was facilitated by Gatsby Africa (GA), saw the staff members get training on critical aspects of water loss management. Such included skills to calculate key performance indicators such as the Infrastructure Leakage Index (ILI), Real Loss Component (RLC), and Apparent Loss Component (ALC), which will further enable them to evaluate the performance of water supply networks accurately.

The training is part of an elaborate partnership program between KEWI and GA, a collaboration that, among other components, seeks to enhance capacity for water service providers in Kenya. This is to be facilitated by training KEWI NRW experts on critical components of this field, who would in turn deliver the knowledge to such utilities with the overarching goal of enhancing their operational efficiency.

This would further enhance such systems for sustained skill development, promote innovations, and facilitate technology transfer among such water utilities in Kenya.

During the training, where the selected staff underwent a tailor-made training program on water loss management and were equipped with advanced knowledge, tools, and techniques for identifying, assessing, and mitigating water losses within water supply

Staff Equipped with Knowledge and Tools on Non-Revenue Water Management

Justus Wersongur and William Oduor pose for a photo at IHE Delft Institute for Water Education in the Netherlands.

systems, KEWI's capacity and performance in delivering high-quality consultancy training and research in the water sector, particularly focusing on non-revenue water (NRW) management, were largely bolstered.

During the trainings, participants delved into various aspects of water loss management, including the apportionment of physical and real losses, the calculation of key performance indicators (KPIs), and the implementation of effective strategies to minimize water losses.

Through interactive sessions, practical exercises, and case studies, participants gained insights into best practices and innovative approaches to NRW management. Upon completion of the training, participants successfully demonstrated their proficiency in analyzing water loss components, identifying leakage points, and implementing corrective measures to optimize water distribution systems. Coming at a time when it is set to be launched as a center of excellence in Non-Revenue Water Management, KEWI is committed to leveraging the expertise gained from the training to enhance its consultancy services, research endeavors, and training programs in non-revenue water management.

The institute further aims to apply the acquired knowledge and skills to support water utilities across Kenya in improving operational efficiency, reducing water losses, and ensuring sustainable water supply for all. The tailor-made training on water loss management has equipped KEWI staff with valuable insights and tools to address the challenges of NRW effectively and continuously help in advancing best water management practices in Kenya.

Institute Equips New Trainers with Cutting-Edge CBET Curriculum Techniques

A file photo of trainees in a session during one of the regular training workshops conducted by KEWI to its trainers.

BY FAIZAH JEPKORIR

Kenya Water Institute (KEWI) recently organized a comprehensive induction session across all its campuses, a proactive step towards enhancing the quality of its trainers' delivery skills.

Spearheaded by Mr. Leonard Makokha, Head of Management Information and Technology (MIT) Department, the one-day workshop aimed to furnish incoming staff with the requisite knowledge, skills, and competencies crucial for effective training delivery.

At the centre of the workshop was a focus on comprehending the intricacies of Competency-Based Education and Training (CBET) Implementation, signaling KEWI's steadfast commitment to adopting modern educational methodologies.

Expert presentations by industry stalwarts, including Ms. Doris Situma and Eng. E. Nyakundi, illuminated the path towards TVET reforms and CBET standards, advocating for a transition to competency-based education to meet industry demands.

Delving deeper into discussions surrounding occupational standards, training benchmarks, and the pivotal role of instructors as mentors within the CBET curriculum, the session emphasized the importance of professional documents in ensuring quality training delivery. From occupational standards to curricula, participants were sensitized to the essential documentation necessary for effective implementation.

By arming new trainers with the necessary tools and insights, the induction workshop empowered them to navigate the complexities of CBET training with confidence. With a renewed focus on excellence and adherence to industry standards, KEWI is positioned to emerge as a pioneering institution in advancing the CBET Curriculum in Kenya, thereby catalyzing the nation's workforce development and economic growth.

The presentations highlighted various facets of the CBET curriculum paradigm, with a particular emphasis on the need for a shift towards competency-based education to align with industry demands. Key points included the role of occupational standards in defining training benchmarks, the importance of instructors as facilitators and mentors, and the significance of professional documents in ensuring quality training delivery.

Overall, the induction workshop provided new trainers with invaluable insights and tools to effectively navigate the intricacies of CBET training. With a strong foundation in place, KEWI is poised to lead the charge in revolutionizing vocational education in Kenya, thereby contributing to the nation's economic development and prosperity.

PICTORIAL

Need Analysis on Guidance and Counseling Session

BY JUDY WANJIRA

The Kenya Water Institute (KEWI), counselor Ms. Rebecca Njeri Ndungu., conducted workshops on guidance and counseling needs assessment for staff and student leaders in all the KEWI campuses.

The essence of the workshops was to sensitize the participants on the importance of guidance and counseling which helps to develop their mental health and wellness. Through this process, employees can view issues affecting them from a different perspective and make decisions on how to deal with similar cases when they arise in the future.

Ms. Njeri took the participants through a session, using a questionnaire on the Johari Window - a visual representation of what one knows about himself, and what others know about him, to help the person develop self-awareness and trust.

During the workshop 20 peer counselors; 7 staff members and 13 students' leaders were selected and will be trained as councilors in April and May 2024 respectively.

Ms. Rebecca Njeri (centre) when she visited Kitui Campus for Guidance and Counseling Needs Assessment

Quote of the Week

"The potential of groundwater in Kenya is underutilized. This is largely attributed to limited exploration, technological constraints, low groundwater recharge and capacity constraints for groundwater development and management." – CS Zachariah Njeru, Ministry of Water, Sanitation and Irrigation

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Short Course Training

Round up of Weeks Events

Above: KEWI Kisumu and Chiakariga Campuses mark the World Water Day in style by participating in various events.
Below: Events during National Celebrations of the World Water Day in Eldoret.

Long - Term Programmes

Diploma in Water Engineering Technology (DWET) Diploma in Wastewater
Diploma in Water, Sanitation Engineering Technology (DWSET)
Diploma in Water Resources Management Technology (DWRTM)
Diploma in Irrigation and Drainage Engineering Technology (DIDET)
Diploma in Information Communication Technology (DICT)-KNEC
Diploma in Water Laboratory Technology (DWLT)
Certificate in Wastewater and Sanitation Engineering Technology (CWSET)
Certificate in Water Resources Management Technology (CWRMT)
Certificate in Information Communication Technology (CICT)- KNEC
Certificate in Water Laboratory Technology (CWLT)
Certificate in Water Engineering Technology (CWET)
Drilling Operations and Management (DOM)
Plumbing and Pipe Fitting (PPF)
Water Operators Course (WOC) in:

- Water Supply
- Meter Reading
- Sewerage Operations

Short - Term Programmes

Use of Earth Observation Tools and GIS for Water Resources Management
Entrepreneurship and Financial Management for Water Managers
Operation and Maintenance of Water Supply Networks
Metering and Installation of Water Supply Networks
Leak Detection & Repair techniques
Drilling Operations and Management (DOM)
Operation & Maintenance of Pumping Stations
Pump Selection, Installation and Maintenance
Plumbing, Pipe Fitting and Solar Water Heating
Instrumentation for Water and Wastewater Systems
Water Governance, Management and Technology
Application of GIS for Water Utilities Mapping
Drilling Operations and Management
Water Quality Sampling and Testing
Microbiological Water Quality Assessment
Integrated Water Resources Management
Non-Revenue water
Water Management
Customer Care

Vision

A Technical Centre of Excellence in Training, Research, Innovation and Consultancy in the water, Sanitation and Irrigation Sector.

Mission

T o offer Competency-Based Training, Research, Innovation, Consultancy and Outreach Services in the Water, Sanitation and Irrigation Sector for sustainable development.

Core Values

Good Corporate Governance
Professionalism
Customer Focus
Innovativeness
Inclusivity
Patriotism
Integrity

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OTHER SERVICES OFFERED

Water Quality Laboratory Services
Drilling and Test Pumping Services
Ground water Assessment Services
Conferencing Services
Troubleshooting of pumps boreholes and distribution systems
Repair of pumps boreholes and distribution systems

Your feedback is crucial for our improvement

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