

# WATER NEWS UPDATE

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## NCWSC MARKS NATIONAL TREE GROWING DAY

Nairobi City County Executive Committee Member-Green Nairobi, Mr. Ibrahim Auma, led the Company in observing the National Tree Planting Day at Sasumua Dam.

The exercise saw over 1,000 seedlings planted at the catchment in support of the Government's ambitious plan to plant 15 billion trees in 10 years.

Sasumua Dam is an impounding reservoir located on the Sasumua stream, a tributary of Chania River near Njabini Township on the South end of the Aberdare Mountains.

The capacity of the dam is 15.9 million m<sup>3</sup> and contributes approximately 12% of Nairobi's current water supply.

Speaking during the event, the Green Nairobi boss, urged the participants to embrace the tree planting initiative for the sake of sustainability noting that the exercise plays a key role in guaranteeing steady supply of water to the City.

"Nairobi County gives special attention to tree planting as a way of preserving the ecosystem and in return get enough supply of water to the Capital City. By planting more trees along our water catchment areas, we help replenish our water sources and maintain healthy water circle." said the CECM.



Board Chair, Arnold Karanja, is joined by the locals during the tree planting exercise.

During the event, Nairobi Water Board Chair, Arnold Karanja, said proper catchment conservation is crucial for mitigating climate change and its effects.

“Water is the natural resource most strongly affected by climate change. As Nairobi Water, we continue to take keen interest in our environment through our corporate tree planting, awareness creation, and by involving the communities around our dams in environmental conservation. We are committed to combating climate change by taking the lead in tree-growing efforts.” He emphasized.



**Managing Director, Eng. Nahason Muguna digs a hole for planting a seedling. Looking on are: Board Chair, Arnold Karanja, Hon. James Kiiru Gachomba, MCA Njabini /Kiburu Ward and CEC Green Nairobi- Ibrahim Auma**

The Managing Director, Eng. Nahason Muguna, said the Company is heeding the Government's call and plans are in the pipeline to roll out massive tree planting in all water catchment areas serving the City.

“We have mobilized over 12,000 seedlings this season which we intend to plant in Nairobi's main water sources -Ndakaini Dam, Sasumua Dam, and Ruiru Dam. The three installations supply 84%, 12% and 4% of Nairobi's current water supply respectively. These three critical facilities are the lifeline of the City and its environs and must be conserved for sustainability. He reiterated.

The Company has in the past joined forces with like-minded corporates-British American Tobacco Kenya plc (BAT Kenya) and The Coca-Cola Company in planting over 6,000 tree seedlings at Kikuyu Springs. .



**Residents from the catchment community help ferry the seedlings to the tree planting site**

## Tree Planting Drive through the lense.....



**Staff taking part in tree planting exercise**



**Board Member Johnstone Mukabwa planting a tree**



**Board Member Cedric Alaro heeds to the call of tree planting**



**Director, Human Resources and Administration Services , Monica Tuli jointly plant a tree with Gilbert Shiundu**

# Board of Directors Signs Performance Pact with County



**CEC Green Nairobi, Mr. Ibrahim Auma, and Board Chair Arnold Karanja together with the Board Members pose for a photo after the performance contract signing ceremony**

The Nairobi City County Executive Committee Member Green Nairobi, Ibrahim Auma and the Board Chair, Arnold Karanja recently signed Performance Contract between the County and the Company.

The signing ceremony was witnessed by the Board of Directors and other Board Members.

"These contracts embody more than documentation. They epitomize a tangible pledge to our collective objectives and aspirations, cementing our determination to achieve nothing short of excellence in all our pursuits." Said the CECM



**CEC Green Nairobi, Mr. Ibrahim Auma, chairs the performance contract signing meeting at the Board room**

The Green Nairobi boss added that the County Executive was impressed by the Board's commitment to achieve and even surpass the set targets in the Contract to enhance water and sewerage provision to the city residents.

"Your pro-active engagement in meeting performance targets prior to formalizing the contractual obligation is commendable and sets high standards for accountability and professionalism." Mr. Auma told the Board members.

Mr. Auma assured the Board members of the County Government's support under the leadership of H.E Governor Sakaja as the Company continues to implements programmes to enhance service delivery making the City a place to live with dignity.

The Green Nairobi CECM is mandated by the Water Services Regulatory Board (WASREB) guidelines to appraise the Board of Directors yearly.

"The appraisal process will be comprehensive as it will evaluate the performance and contribution of individual board members to the company, assess the effectiveness of the committees formed within the Board, scrutinizing the policies and decisions that have positively impacted the Company's trajectory." noted the County Executive.



**CEC Green Nairobi, Mr. Ibrahim Auma is taken on a guided tour of the Company premises after performance contract signing ceremony**

The meeting also provided insights of the Company's general performance. The County Executive was briefed on various ongoing and planned projects, achievements and challenges experienced by the company.

The Board of Directors commended the Nairobi County leadership for the support accorded to the Company while lauding the Green Nairobi Executive Mr. Ibrahim Auma for being hands- on in his approach on policy matters within his docket particularly on water and sewerage sub-sector.



**Managing Director, Eng. Nahason Muguna, explains the processes at the main store.**

## Know Your Water Source : Kikuyu Springs

Kikuyu Springs lies within Athi River Catchment and comprises of three springs namely; spring 1, the dam (spring 2) and spring 3. The dam is fed by a large number of small springs around it. Spring No.3 is currently operated by a different water service provider (Kikuyu Water Company).

Spring No.1 was originally in the open, but lay in the path of the railway embankment and has since been covered by a dome structure with a thirty-meter-long culvert access passage.

The water is then led by a pipe to the balancing tank located about a kilometer away. At the balancing tank the water is chlorinated before release to the distribution system. The system was originally developed by Railways administration and handed over to Nairobi City Council around the year 1921.



**Kikuyu Springs**

Water from the dam was designed to pass through a micro strainer and is chlorinated before it goes to a balancing tank of a capacity of 450m<sup>3</sup>.

Total production for Spring No.1 is estimated to be 2,000m<sup>3</sup> per day, while production from spring 2 is 4000m<sup>3</sup> per day. Thus the combined total production from Kikuyu springs is estimated to be 6000m<sup>3</sup> per day.

Some of the areas which benefit from this water are: - Karen, Dagoreti, Kawangware, Riruta, Uthiru & environs.

As a conservation measure and as a way of ensuring sustained supply, the immediate catchment has been planted with indigenous trees.



**A staff uses a boat to remove the dirt at Kikuyu Spring**

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**Dr. George Muchai**  
Kabete Treatment Works Coordinator

## North Eastern Region holds Customer Engagement Forums

The Customer Care team from North Eastern Region recently convened two Customer Engagement Forums at Maili Saba and Ofafa Jericho Social Hall.



**Zonal Coordinator, Mary Muoria, engages the residents of Maili Saba**

During the forum, residents were sensitized on the online water and sewer connections process, billing cycle and payment platforms.



**Maili Saba resident asks a question during the forum**

The forums also deliberated on how to handle the inaccessibility of meters resulting in billing anomalies and addressed malpractices such as straight pieces, by-passes, and handling of stopped meters.

The team also sought to enlighten the residents on debt management policy and asked them take advantage of it.



**Zonal Coordinator, Edwin Mwangi distributes water saving tips flyers to the residents of Jericho**

**Tonui Kipkurui**  
Corporate Affairs and Liaison Department

Artificial Intelligence is revolutionizing the financial industry globally by enhancing efficiency, reducing costs, and providing personalized customer experiences. In Kenya, a country known for its innovation in mobile money with M-Pesa, AI is well positioned to further transform and elevate the financial landscape.

Kenya has been an early adopter of technology, with significant steps in mobile banking and fintech. AI technologies are increasingly being integrated into these sectors, providing advanced analytics, customer service automation, and improved risk management.

## AI Innovations in Kenya's Financial Landscape

**Mobile Banking:** AI chatbots like Safaricom's Zuri assist customers with account management and transactions via mobile platforms.

**Credit Scoring:** Companies like Tala use AI algorithms to analyze smartphone data and provide credit scores for individuals without traditional credit histories.

**Fraud Detection:** Banks are employing AI to monitor transactions and detect fraudulent activities in real-time.

## AI and Financial Inclusion

AI is helping to bridge the gap for the unbanked population by enabling services such as micro-loans and mobile savings accounts. Innovations like M-Shwari and KCB M-Pesa use AI to provide instant credit and savings options to millions of Kenyans

## Challenges and Opportunities

Regulatory hurdles, lack of infrastructure, and data privacy concerns are significant challenges. The growing fintech ecosystem presents opportunities for collaboration between traditional banks and tech startups. Investments in AI research and development can spur further innovations.



## Future Prospects

AI is set to revolutionize the financial sector in Kenya, enhancing financial inclusion and driving economic growth. As the country continues to innovate, it serves as a model for other nations looking to leverage technology in finance.

The future of AI in Kenya's financial sector looks promising, with potential advancements in block chain technology, AI-driven investment platforms, and more sophisticated financial products tailored to the Kenyan market.

## Substance Use Disorder (SUD) and Disability-Adjusted Life Years (DALYs)

Substance Use Disorder (SUD) is a treatable mental disorder that affects a person's brain and behavior, leading to their inability to control their use of alcohol, drugs and substances.

People with SUD have an intense focus – often called addiction– on using certain substance(s) such as alcohol, tobacco or other psychoactive substances, to the point where their ability to function in a day-to-day life becomes impaired.

Disability-adjusted life years (DALYs) on the other hand is a measure of overall disease burden, expressed as the number of years lost due to ill-health, disability, or early death.

Substance use disorders (SUDs) are a common cause of death or injury, which is significant in causing disability-adjusted life-years (DALYs).



NCWSC has in place programs to help support total recovery from SUDs offered by the company's contracted hospitals. These services include; Counselling services, Treatment including detoxification and Rehabilitation.



Alcohol, Drugs and Substance Abuse (ADSA) sensitization forum at Kariobangi Sewerage Treatment Works

## TEAM KIFARU IN PICTURES



**TEAM KIFARU IN PICTURES**

## TEAM KIFARU IN PICTURES





## STAFF SEND OFF PICTURES



Director Human Resources and Administration Services, Monica Tuli, and Ag. Administration and Logistics Manager, Mary Makindu, cuts the cake in celebration of James Nyangweso's retirement.



Staff presents a present to John Otieno, formerly Non-Revenue Water Manager, in celebration of his retirement.



Regional Manager, Southern Region, Lenah Ngungu, cuts the cake to mark the celebration of the five retirees from her region.



From R-L: John Kipkurui, Margaret Kamau, Francis Mwangi, Joseph Kigathi and James Magomba pose for a group photo during their retirement celebration.

### Editorial Team

Editor-in-Chief: James Karanja | Managing Editor: Maureen Karugu | Lead Editor: Tonui Kipkurui

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