



IMPLEMENTATION OF ALLIANCE FOR WATER STEWARDSHIP (AWS) STANDARD AT BAT KENYA PLC GREEN LEAF THRESHING PLANT IN THIKA

BAT Kenya has a long and proud history of sustainability achievements, and in line with our evolved purpose to build A Better Tomorrow™, we are moving ourselves from a business where sustainability has been important, to one where it is front and center in all that we do.

As part of BAT's Environmental Social and Governance (ESG) agenda, the BAT Kenya Green Leaf Threshing Plant (GLTP) located in Thika, is pursuing Good Water Governance (GWG) initiatives by implementing AWS Standard within its operations. GWG involves driving sustainable water balance practices, ensuring availability of quality water, as well as access to safe water, sanitation, and hygiene for all.

The GLTP started operations in 1977 in Thika town, Kiambu county. Currently, tobacco leaf is procured from contracted farmers who are mainly located in the Western, Nyanza and Eastern regions of Kenya. The Plant has capacity to process about 30 million kilograms of flue cured Virginia tobacco, per year.

The GLTP is located in the Tana basin (Thika Mid) catchment area. It has two primary sources of water on site i.e., municipal water supplied by the Thika Water and Sewerage Company (THIWASCO) and borehole water supply which draws its underground water from Nairobi Aquifer Suites (NAS).

As a responsible community member, the GLTP has been at the forefront of environmental conservation and more specifically, driving responsible water use. As part of this, the GLTP is an active and committed member of the Thika Mid WRUA (Water Resource Users Association) which is the association body for water users in the Thika sub-catchment area. This platform helps to address water related issues in the catchment area as mandated by the Water Resource Authority and enhances collaboration with key stakeholders.

Our vision

To achieve the highest practicable levels of water conservation across our value chain.

Our mission

To be responsible water stewards by leading and engaging with our stakeholders in understanding our collective water challenges, risks, and opportunities, which contribute to achieving Sustainable Development Goals on Clean Water and Sanitation.

Our water policy which is a public commitment to good water stewardship is found in our website in the link <attach link once the policy is put up>

Governance

The GLTP has a management system and a water committee in place that comprises of a multi disciplinary team who are accountable for various aspects of the water stewardship plan. These are:

Role	Responsibility
Head of Leaf	Is part of the BAT leadership team and represents Kenya Leaf during area strategic meetings Overall responsible for the Leaf budget and resources Sponsor of water related projects

Human Resource Business Partner (Operations)	Allocation of resources to ensure sustainable water stewardship Is part of the BAT Operations Leadership team
Engineering Manager	Chairperson of the water committee team Responsible for Preventive and corrective maintenance plans Management of the investments plan to be made in the plant (CAPEX and OPEX). Is part of the BAT Operations Leadership team
Processing Manager	Implementation of improvement actions to drive for efficient processes leading to reduction, reusing, and recycling of water Site member of the water committee
Environmental Health and Safety Executive	Coordinates all the activities of the water committee. Compliance with legal requirements EHS pillar lead (drives the Energy management) Site member of the water committee
Technical Executives	Participate in implementation of water related projects and coordinate collection and analysis of data Carry out and validate post implementation reviews on completed projects Members of the water committee
Sustainability Manager	Stakeholder Engagement planning Identification and implementation of WASH and sustainability projects within the catchment
Environment Social and Governance Coordinator	Coordination of AWS activities Monitoring of the water related KPI Training needs assessment and planning for trainings Document management as per the plan
Legal Counsel	Supports with compliance to all legal and statutory requirements. Is part of the BAT Operations Leadership team

Performance

BAT Globally has made a commitment to reduce the water withdrawn in all its sites by 35% by 2025 (Baseline: 2017)
The GLTP has reduced water withdrawn by 68% and 81% in 2020 and 2021 respectively.

Performance vs baseline	2018	2019	2020	2021 PL
Water Withdrawn	-27%	-63%	-68%	-81%

Water reduction opportunities were identified in the following area:

- Water network reticulation (moved pipes from underground to above ground) reducing our water loss by approximately 48% in 2019 and making a savings of approximately 300,000 KSh annual savings.
- Having water metering per department and daily monitoring of consumption, helping us to understand our water usage and site water balance.
- Installation of urinal sensors auto valves in washrooms. This helped us reduce our water intensity in nonproduction activities.
- Steam condensate recovery, recycling the water thus reducing the energy and water used for the boiler operation
- Using sprinklers for watering the grass and scheduling the watering activity in the evening reducing water lost during evaporation leading to less water usage
- Training and awareness on efficient water use.
- A robust maintenance system coupled with inspection and prompt repairs.

These initiatives have contributed to sustainable water balance in the catchment and demonstrate that GLTP has good water governance. In addition, the GLTP has been recognised nationally and awarded the water conservation award during the 16th Energy Management Awards, 2021, by the Kenya Association of Manufacturers.

To maintain good water quality, quarterly water analysis of the municipal and borehole water is carried out as per environmental management and co-ordination (water quality) regulations, 2006.

Stakeholder engagement

We have collaborated with various stakeholders in water related initiatives geared towards a sustainable environment.

In October this year, we engaged with key selected stakeholders from the private and public sectors on water related matters for our catchment. During this session, shared water challenges and opportunities were discussed.



The discussion identified some of the water challenges faced in the catchment area to be: deforestation, encroachment of the riparian land and pollution of the Chania river which is a tributary river in our catchment area and the main water supply for our municipal water.

Some opportunities we have leveraged to enhance our environment conservation agenda include: donation of 4000 tree seedlings during the 2021 world environment day to THIWASCO, for planting along river Chania, to aid in the protection of the water catchment area.

For the 2021 World Clean-up Day, we collaborated with the Kiambu County government in a clean-up activity of the area around the GLT plant, collecting 1.5Tons of waste for proper disposal.

We strive to enhance these engagements and activities in the coming year through collaboration with key stakeholders and industry members within our catchment area.



Indirect Water Use

We understand the need to extend our good water practices and governance to our growing regions for the sustainability of our supply chain.

We have a robust afforestation program that has seen us plant about 2 million trees annually in collaboration with the County Governments in tobacco leaf growing and processing regions (Migori, Bungoma, Busia, Meru and Kiambu), the Kenya Forest Services, our contracted farmers and the Net fund. In 2021, BAT Kenya collaborated with the County Government of Migori rehabilitate a borehole serving approximately 800 households. This will help provide clean and safe water to the community and meet the AWS objective of providing safe water, sanitation, and hygiene for all.

We implemented awareness training for all our tobacco farmers, to ensure continuous sustainable measures are implemented in water use.

The GLTP has a robust incident response plan that includes a root cause analysis and corrective action plan and the water regulations review.

The site has not had any water-related non compliances as per the environmental compliance audit.

BAT Kenya operates a robust governance program to ensure compliance to all legal and statutory requirements.

This report was created to comply with AWS standard indicators 5.1.1, 5.2.1, 5.3.1, 5.4.1, 5.5.1, 5.5.2, 5.5.3.