

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000542

SITE DETAILS

Site: **Nestle Nigeria Plc, Abaji Factory**

Address: Cadastral Zone 03-11, Plot 395 Phase II Ext. Layout II, Abaji, Abuja FCT., 950101, Abuja, NIGERIA

Contact Person: Patrick Dibie

AWS Reference Number: AWS-000372

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Core

Date of certification decision: 2023-Oct-19

Validity of certificate: 2026-Oct-19

AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)

Audit Type(s): Initial Audit

Audit Start Date: 2023-May-10

Lead Auditor: Ruth Wandera

Audit team participants:

Olalekan Emmanuel Akinwe

Site Participants:

Luqman Alabi, Productions Manager

Isaac Abogunrin, Quality Assurance Manager

Eduer Ezekiel, Human Resources Services Specialist

Moses Dimowo, Factory Engineer

Ojo Oluwafemi, Human Resources Business Partner

Location Owhojivwogor, Factory SHE Manager

Patrick Dibie, Water Treatment Supervisor

James Edeh, Factory Security Officer

Temitope Lawal, Factory Microbiologist

Salmon Abiodun, Cost Accountant

Ayeokere Ayodele, Factory Manager

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000542

ADDITIONAL INFO

Summary of Audit Findings: A total of 26 findings were raised during the certification audit, 3 major non-conformities, 12 minor non-conformities, and 11 observations.

The major non-conformities were of sufficient concern to warrant the categorization of the non-conformity as major and related to Good Water Quality Status and Safe Water, Sanitation and Hygiene for all (WASH).

The Client is requested to perform a root cause analysis and define corrective actions for each of the non-conformities and to submit these to WSAS within 60 days of receipt of the audit report by 19/09/2023.

The major non-conformities must be sufficiently addressed, and evidence submitted to WSAS within 90 days of receipt of the report by 19/10/2023.

Minor non-conformities must be closed out by the time of the next annual audit.

The audit team recommends certification of Nestle Nigeria Plc, Abaji Factory at Core level pending approval of the corrective actions plan and closure of the major non-conformities.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of Nestle Nigeria Plc, Abaji Factory against the AWS International Water Stewardship Standard Version 2.

The Nestle Nigeria Plc, Abaji Factory site is located within the Federal Capital Territory (FCT). The factory is built along the Abuja to Lokoja Highway, in a rural area of the FCT, characterized by a non-developed plot of lands. The site is located at an altitude of 165 m above sea level. The site is a manufacturing facility involved in the production, storage, and distribution of bottled water (Nestle Pure Life). It manages its own industrial services which include Power plants for electricity, a Wastewater Treatment Plant and other utilities.

Currently the site has approximately 54 Full time employees. The site consists of two deep wells, only one is in use. There is one processing line which produces 4 product types. Its products are Nestle Pure Life Regular water, 60cl and 150cl as well as Nestle Pure Life Zinc Protect, 60cl and 150cl.

The name of the catchment is Upper Niger River Basin.

Groundwater is hosted in the multi-layered sand/sandstone aquifer of the Patti and Lokoja formations. The formation belongs to the Bida Cretaceous Sedimentary basin. The recharge area of the Nestlé Waters well is the cretaceous deposit of the Bida basin. The Precambrian is understood to act as a boundary (purple color in attachment). The recharge area covers an area of 850 km² (green area) that matches with the hydrogeological watershed. A smaller recharge area is also considered of 100 km² (blue area), matching the local topographic watershed.

Surface Water Resources Hydrology: The FCT is located just north of the confluence of the River Niger and River Benue. These rivers represent the main sources of water supply for large demands, while the Gurara River is meeting smaller demand. In the vicinity of the factory, there are several rivers draining the area, including rivers Gwagwalada and Usmanu. Rivers Wupa, Wosika and other smaller seasonal southerly-flowing streams form the tributaries to the before mentioned rivers and drain the study area. These rivers depend on rainfall for their recharge hence high levels are presented during the rainy season and then they decrease significantly in the dry season.

The audit was conducted onsite from 10th May 2023 to 12th May 2023.

The onsite site visit included the assessment of:

- Water Treatment Plant.
- Effluent/Wastewater Treatment Works.
- Borehole which provides water for the site.
- Main chemical, Oil and Diesel storage area.
- Staff ablution and toilets/staff drinking facilities.
- Septic tank location.
- Storm water management as well as discharge point.
- Hazardous Waste Storage area.
- Main Wastewater discharge point.
- Effluent Discharge through the community to Maderengi river.

The following external stakeholders were interviewed during the audit:

- Farmers Association, Fadama Cooperative Society Abaji.
- Manderegi Women Group.
- Manderegi Community Youth Leader.

FINDINGS

WSAS

2 Quality Street North Berwick, EH39 4HW, UNITED KINGDOM

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542



NUMBER OF FINDINGS PER LEVEL

Observation	11
Minor	12
Major	3

Audit Number: AO-000542

FINDING DETAILS

Finding No:	TNR-005142
Checklist Item No:	1.1.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-May-10
Checklist item:	The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including: <ul style="list-style-type: none">- Site boundaries;- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;- Any water sources providing water to the site that are owned or managed by the site or its parent organization;- Water service provider (if applicable) and its ultimate water source;- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;- Catchment(s) that the site affect(s) and is reliant upon for water.
Findings:	The catchment has not been correctly identified, the site has focused on the sub-catchment in terms of groundwater flow but not the surface catchment.
Corrective action:	<div>1. Revise the scope definition to include both groundwater and surface water catchments.</div> <div>2. Accurately map the catchment, considering stakeholder interests and regulatory boundaries.</div>
Evidence of implementation:	<div>The catchment that the site affects and is relied upon has been correctly identified and mapped to include both the groundwater and for surface water flow.</div> <div>The Catchment name is UPPER NIGER RIVER BASIN. Please see the file for details:</div>

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No: TNR-005074

Checklist Item No: 1.3.4

Status: Closed

Finding level: Major

Due date: 2023-Oct-17

Checklist item: Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.

Findings: The quantified water quality results for the site's water sources & effluent showed concerns as follows:

February 2022 - Exceedance noted in Yeast results for influent & Effluent water.

January 2022 - Exceedance noted in Yeast results for influent & Effluent water.

July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.

July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.

Yeast in the results is of concern because aquatic pathogenic yeasts cause superficial infections or life-threatening infections, especially in immunocompromised people.

In the site's analysis of results, these were not acknowledged by the site as being of concern.

Some of the parameters are above the limits and might be water-related challenges that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances has not been quantified.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Corrective action:

Develop a comprehensive corrective action plan to address each specific exceedance and its potential impact. Implement a robust analysis process that identifies and prioritizes concerns based on their potential risks.

The corrective actions shall include:

1. A comprehensive review of the water quality data, mainly focusing on yeast levels and other parameters that exceeded the established limits.
2. Conduct of thorough analysis and interpretation of the data to determine the nature and severity of the exceedances.
3. Clear communication of these findings to relevant stakeholders, outlining the potential implications of these exceedances on water quality and ecosystem health, especially in light of aquatic pathogenic yeasts that can pose health risks to immunocompromised individuals.
4. Prompt initiation of actions to address the root causes of these exceedances, implementation of effective mitigation measures, and establishing a robust monitoring plan to ensure sustained water quality improvement.
5. Establish clearly with evidence that yeast is not in NESREA criteria for effluent discharge

Evidence of implementation:

Nestle Nigeria Plc, Abaji Factory operations generates effluent. Regulatory standards require that effluent be managed to prevent a negative impact on the environment. One of the ways to ensure this is to treat the effluent before discharge into the environment. Consequently, Nestlé Nigeria has made significant investments to ensure compliance. We are pleased to inform you that the installation of a best-in-class effluent treatment plant at the Abaji Factory which was not available as of 2022 is now completed and commissioned.

1. We attach the communication clarifying the non-inclusion of yeast parameter for criteria for effluent discharge.
2. Attached also in file is the Effluent Analysis Report for August 2023 showing compliance to regulatory limits for effluent discharge to environment.
3. Regular communication of the reports of our effluent discharge to regulatory agency (NESREA)

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:

Checklist Item No:

Status:

Finding level:

Checklist item:

Findings:

Corrective action:

TNR-004882

1.5.3

In Progress - CA plan approved

Observation

The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.

The content of the documents focused majorly on recharge of the aquifer (Aquifer water balance) where the site (Nestle) extracted water but not necessarily the catchment water balance.

There are possibilities of many Aquifers in the catchment (Upper Niger River Basin) where the site is located.

Conduct a comprehensive catchment assessment and quantify water balance and scarcity.

Finding No:

Checklist Item No:

Status:

Finding level:

Due date:

Checklist item:

Findings:

Corrective action:

TNR-004251

1.5.5

In Progress - CA plan approved

Minor

2024-May-10

Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.

Catchment has not been correctly identified and therefore neither were all the IWRAs.

Engage stakeholders to identify and assess Important Water-Related Areas. Collect and analyze data on water governance, balance, quality, and infrastructure.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:	TNR-004250
Checklist Item No:	1.5.6
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-May-10
Checklist item:	Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.
Findings:	Planned water related infrastructure has not been identified, neither the potential exposure to extreme events of the existing water-related infrastructure.
Corrective action:	<ol style="list-style-type: none">1. Review current and future infrastructure plans to identify potential water-related projects.2. Assess the vulnerability of existing infrastructure to extreme events.3. Develop a resilience strategy that incorporates extreme event scenarios and their impacts on water infrastructure.
Finding No:	TNR-005143
Checklist Item No:	1.5.7
Status:	Closed
Finding level:	Major
Due date:	2023-Oct-17
Checklist item:	The adequacy of available WASH services within the catchment shall be identified.
Findings:	The documentation provided for this indicator is very old, from years: 2006, 2008 and 2011, which doesn't reflect the current status of the adequacy of WASH services within the catchment.
Corrective action:	Develop an action plan in coordination with identified key interested parties to address any deficiencies identified in the assessment, enhancing the adequacy of WASH services within the catchment.
Evidence of implementation:	<p>The site has reviewed the document submitted for the adequacy of WASH services within the catchment, first by identifying the catchment's right scope to reflect the adequacy of WASH services in Upper Niger River Basin, the catchment hosting Nigeria Nigeria Plc, Abaji Factory. This also had taken into account current status of the WASH services.</p> <p>The overall status of the WASH Sector in Nigeria is low. Only 10% of the population have access to complete basic water, sanitation and hygiene services. Using the Gobar JMP definitions. Those living in the rural areas are three times more disadvantaged than those in the urban areas.</p> <p>Detailed information on WASH services in Upper Niger River Basin, the catchment hosting Nestle Nigeria Plc, Abaji Factory are attached in the files</p>

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:

Checklist Item No:

Status:

Finding level:

Checklist item:

Findings:

Corrective action:

TNR-004931

1.7.2

In Progress - CA plan approved

Observation

Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.

It is not clearly shown how achievement will be assessed.

Define a robust method for evaluating achieved opportunities in line with objectives.

Finding No:

Checklist Item No:

Status:

Finding level:

Checklist item:

Findings:

Corrective action:

TNR-005144

2.3.1

In Progress - CA plan approved

Observation

A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.

The mission, the vision and the goals are not clearly identified in the text of the water stewardship strategy.

Articulate mission, vision, and goals in the water stewardship strategy.

Finding No:

Checklist Item No:

Status:

Finding level:

Due date:

Checklist item:

Findings:

Corrective action:

TNR-005145

2.3.2

In Progress - CA plan approved

Minor

2024-May-10

A water stewardship plan shall be identified, including for each target:

- How it will be measured and monitored
- Actions to achieve and maintain (or exceed) it
- Planned timeframes to achieve it
- Financial budgets allocated for actions
- Positions of persons responsible for actions and achieving targets
- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.

Financial budgets are not allocated for all actions.

1. Review the water stewardship plan and align each action with a corresponding financial budget.

2. Ensure that the allocated budgets are realistic and sufficient to implement the proposed actions effectively.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:	TNR-005080
Checklist Item No:	3.1.2
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.
Findings:	It would be beneficial to the site to analyse 2022 results which did not completely comply and understand what changed.
Corrective action:	Analyze 2022 compliance results and update strategies for better compliance.
Finding No:	TNR-005053
Checklist Item No:	3.2.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	A process to verify full legal and regulatory compliance shall be implemented.
Findings:	<p>The site discharges wastewater to a local stream, the following attachment 'EFFLUENT DISCHARGE RESULTS - 2022' shows the results of the incoming water and effluent discharged. It is not clear that this is tracked and constantly checked as there were some exceedances noted and nothing was provided to show that the site was aware of the exceedances and what they did so as to ensure compliance in future.</p> <p>April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water. Influent water exceedances seen in Color and Yeasts. August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water. December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.</p>
Corrective action:	Implement an effective water quality monitoring of corrective action protocols for exceedances.
Finding No:	TNR-005146
Checklist Item No:	3.3.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.
Findings:	Evidence of implementation for this action was not provided: Reduce frequency of sand filter backwash from 3 times weekly to once/week.
Corrective action:	Document comprehensive evidence of implementing specified action and establish a protocol for monitoring.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:	TNR-005148
Checklist Item No:	3.4.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.
Findings:	Some parameters are above the limits, please refer to indicator 1.3.4.
Corrective action:	Formulate strategies to tackle water quality parameter exceedances.
Finding No:	TNR-005062
Checklist Item No:	3.5.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.
Findings:	There is opportunity to identify other IWRAs once the catchment is properly defined.
Corrective action:	Define catchment and engage identified stakeholders (Internally and externally) for Important Water-Related Areas.
Finding No:	TNR-005063
Checklist Item No:	3.9.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-May-10
Checklist item:	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.
Findings:	The site has listed various water saving projects that have a deadline of 31-Dec-2024 however information on actions achieved so far was not provided.
Corrective action:	<div>1. Document and present the status of each water-saving project, outlining the progress made, milestones achieved, and anticipated outcomes.</div> <div>2. Include a timeline for each project and clearly communicate how each project contributes to water stewardship targets.</div>

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:	TNR-005066
Checklist Item No:	3.9.4
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.
Findings:	The site has not properly identified IWRAs in the catchment area and therefore there is opportunity for more actions to improve their current state.
Corrective action:	Define catchment and implement actions for all relevant Important Water-Related Areas.
Finding No:	TNR-005069
Checklist Item No:	4.1.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.
Findings:	The evidence provided analyses actual completion versus targets but does not evaluate contribution to achieving water stewardship outcomes.
Corrective action:	Evaluate contribution to broader water stewardship outcomes.
Finding No:	TNR-005070
Checklist Item No:	4.1.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-May-10
Checklist item:	Value creation resulting from the water stewardship plan shall be evaluated.
Findings:	The evidence provided does not show evaluation of value creation from the water stewardship plan.
Corrective action:	<ol style="list-style-type: none">1. Analyze the outcomes and impacts of the water stewardship plan in terms of value creation.2. Quantify and document the economic, social, and environmental benefits resulting from the plan's implementation.3. Clearly present the positive changes that have occurred due to the plan's execution.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No: TNR-005071
Checklist Item No: 4.4.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2024-May-10
Checklist item: The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.
Findings: Although a new plan was presented, it was not clear what had changed and when. There was no summary of the changes.
Corrective action: 1. Water Stewardship Plan to be updated to clearly outline the modifications and adaptations in the updated plan.
2. Providing a summary of key changes and their context. (YTD - 2023).

Finding No: TNR-005072
Checklist Item No: 5.1.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2024-May-10
Checklist item: The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.
Findings: The site's water-related internal governance, as well as positions of those accountable for compliance with water-related laws and regulations were provided as evidence for this indicator but there was no evidence of disclosure.
Corrective action: Provide evidence of the disclosure of the site's water-related internal governance structure and positions responsible for compliance with water-related local laws and regulations within the management hierarchy.

Finding No: TNR-005073
Checklist Item No: 5.2.1
Status: In Progress - CA plan approved
Finding level: Observation
Checklist item: The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.
Findings: The evidence provided shows the site's communication of its water stewardship plan, including performance but the site missed to communicate how the plan contributes to AWS Standard outcomes.
Corrective action: Communicate alignment of water stewardship plan with AWS Standard outcomes.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:

TNR-005075

Checklist Item No:

5.3.1

Status:

In Progress - CA plan approved

Finding level:

Minor

Due date:

2024-May-10

Checklist item:

A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.

Findings:

Apart from water abstraction data, the evidence provided has not quantified performance against targets.

Corrective action:

1. Evaluate and quantify the site's water stewardship performance against targets.

2. Disclose the quantified performance results.

Finding No:

TNR-005076

Checklist Item No:

5.4.1

Status:

In Progress - CA plan approved

Finding level:

Minor

Due date:

2024-May-10

Checklist item:

The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.

Findings:

The evidence outlines efforts made by the site to address shared water challenges however it does not show that these efforts have been disclosed.

Corrective action:

Provide evidence of the disclosure of the efforts made to address shared water challenges, engagement with stakeholders, and coordination with public-sector agencies.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:	TNR-005077
Checklist Item No:	5.5.1
Status:	Closed
Finding level:	Major
Due date:	2023-Oct-17
Checklist item:	Any site water-related compliance violations and associated corrections shall be disclosed.
Findings:	<p>The following laboratory results were concerning but these were not noticed or investigated by the site. They were also not disclosed to authorities.</p> <p>February 2022 - Exceedance noted in Yeast results for influent & Effluent water.</p> <p>January 2022 - Exceedance noted in Yeast results for influent & Effluent water.</p> <p>July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.</p> <p>July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.</p> <p>April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water. Influent water exceedances seen in Color and Yeasts.</p> <p>August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water.</p> <p>December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.</p> <p>Yeast in the results is of concern because aquatic pathogenic yeasts cause superficial infections or life-threatening infections, especially in immunocompromised people.</p>
Corrective action:	<p>1. Implement and monitor the developed disclosure protocol to ensure timely reporting and submission of future water quality non - conformance.</p> <p>2. Maintain all necessary acknowledged copies of documentation/reports to support the disclosures.</p>

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000542

Evidence of implementation: As part of our water stewardship commitment, and in compliance with regulatory requirements, we are pleased to provide the following update on the progress of Nestlé Nigeria's water stewardship initiatives at the Nestlé Water Factory located in Abaji, Abuja, FCT. At Nestlé, we recognize that watershed management is a collective responsibility, and therefore remain committed to maintaining sustainable partnerships, ensuring transparency and working in collaboration with all stakeholders to preserve this crucial resource.

Background:

Nestle Nigeria Plc, Abaji Factory operations generates effluent. Regulatory standards require that effluent be managed to prevent a negative impact on the environment. One of the ways to ensure this is to treat the effluent before discharge into the environment. Consequently, Nestlé Nigeria has made significant investments to ensure compliance. We are pleased to inform you that the installation of a best-in-class effluent treatment plant at the Abaji Factory is now completed.

Please find in the files the:

1. Evidence of the communication and disclosure of our effluent discharge to relevant stakeholders including regulatory bodies, local government authority, local community authority etc
2. Effluent Analysis Report for August 2023

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Finding No:	TNR-005079
Checklist Item No:	5.5.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-May-10
Checklist item:	Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.
Findings:	<p>There was no corrective actions taken by the site to prevent future occurrences of the exceedances mentioned below. These were not disclosed.</p> <p>February 2022 - Exceedance noted in Yeast results for influent & Effluent water.</p> <p>January 2022 - Exceedance noted in Yeast results for influent & Effluent water.</p> <p>July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.</p> <p>July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.</p> <p>April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water. Influent water exceedances seen in Color and Yeasts.</p> <p>August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water.</p> <p>December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.</p>
Corrective action:	<p>1. Company to Clearly communicate actions taken to mitigate the risk associated with pathogenic yeast exceedance.</p> <p>2. Provide evidence of the steps taken to safeguard human and ecosystem health.</p> <p>3. Highlight preventive measures and any ongoing monitoring efforts.</p>
Finding No:	TNR-005078
Checklist Item No:	5.5.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-May-10
Checklist item:	Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.
Findings:	The presence of yeast in the water samples is of concern because aquatic pathogenic yeasts cause superficial infections or life-threatening infections, especially in immunocompromised people. There was no evidence of disclosure.
Corrective action:	Provide evidence of disclosing actions taken to address pathogenic yeast exceedance, ensuring the health and ecosystem safety.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Report Details

Report	Value
Report prepared by	Ruth Wandera
Report approved by	Monserath Zamora
Report approved on (Date)	19 July 2023

Surveillance

Proposed date for next audit
2024-May-10

Stakeholder Announcements

Date of publication	Location
24/01/2023	AWS Website/WSAS website
10/03/2023	National newspaper - Daily Trust
02/03/2023	Nestle Website
Comment	<p>The public stakeholder announcement by the site can be found here:</p> <p>-https://www.nestle-cwa.com/sites/g/files/pydnoa346/files/2023-02/Public%20Announcement.pdf</p> <p>-WSAS website: https://watersas.org/wp-content/uploads/2023/01/Stakeholder-Announcement-NW-Nigeria-Abaji.pdf</p> <p>-AWS website: https://a4ws.org/wp-content/uploads/2023/04/AWS-000372-NW-Nigeria-Abaji-2023-StakeAnn.pdf</p>

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Catchment Information

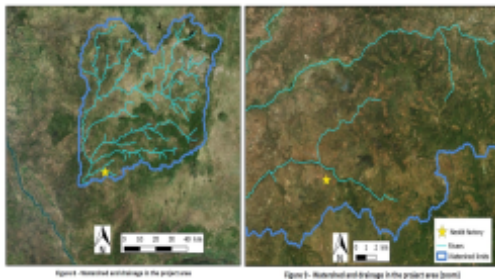
Catchment Information

The name of the catchment is Upper Niger River Basin.

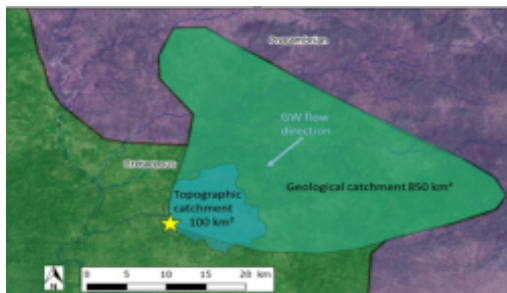
Groundwater is hosted in the multi-layered sand/sandstone aquifer of the Patti and Lokoja formations. The formation belongs to the Bida Cretaceous Sedimentary basin. The recharge area of the Nestlé Waters well is the cretaceous deposit of the Bida basin. The Precambrian is understood to act as a boundary (purple color in attachment). The recharge area covers an area of 850 km² (green area) that matches with the hydrogeological watershed. A smaller recharge area is also considered of 100 km² (blue area), matching the local topographic watershed.

Surface Water Resources:

Hydrology: The FCT is located just north of the confluence of the River Niger and River Benue. These rivers represent the main sources of water supply for large demands, while the Gurara River is meeting smaller demand. In the vicinity of the factory, there are several rivers draining the area, including rivers Gwagwalada and Usmanu. Rivers Wupa, Wosika and other smaller seasonal southerly-flowing streams form the tributaries to the before mentioned rivers and drain the study area. These rivers depend on rainfall for their recharge hence high levels are presented during the rainy season and then they decrease significantly in the dry season.



Catchment (Surface Water).jpg



Catchment (Ground Water).jpg

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Client Description and Site Details

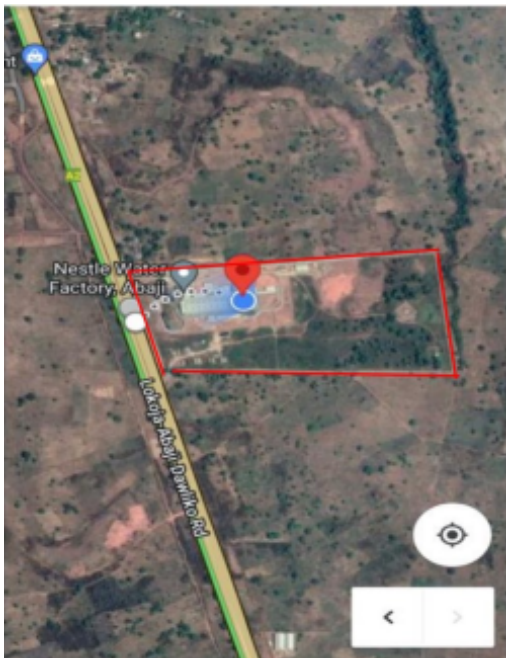
Client/Site Background

Founded in 1992, Nestlé Waters is the water division of the Nestlé Group. The Nestle Nigeria Plc, Abaji Factory was opened on 14 April 2016. It is located on a total area of 160,000 square meters with a built area of approximately 51,000 square meters.

The Nestle Nigeria Plc, Abaji Factory site is located within the Federal Capital Territory (FCT). The factory is built along the Abuja to Lokoja Highway, in a rural area of the FCT, characterized by a non-developed plot of lands. The site is located at an altitude of 165 m above sea level. The site is a manufacturing facility involved in the production, storage, and distribution of bottled water (Nestle Pure Life). It manages its own industrial services which include Power plants for electricity, a Wastewater Treatment Plant and other utilities.

Currently the site has approximately 54 Full time employees. The site consists of two deep wells, only one is in use. There is one processing line which produces 4 product types. Its products are Nestle Pure Life Regular water, 60cl and 150cl as well as Nestle Pure Life Zinc Protect, 60cl and 150cl.

There is a new Effluent Treatment Plant on site which was commissioned one month before the AWS audit. The water is released into a naturally occurring gulley system after treatment. Future plans are to pass the water through a constructed fishpond before it is released into the environment. Banana trees were seen to grow along the path of the effluent discharge outside the factory.



Site Boundaries NW Abaji.jpg

Comment The following documents are attached:
1.1.1B Abaji Site Boundaries Protected
DRG.AMM.001.V02.21_PLAN ON SITE LAYOUT 2022 - CNG STATION
Abaji Factory Presentation - AWS (002)

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Summary of Shared Water Challenges

Summary of Shared Water Challenges

1. Potential water quantity issues in the future due to absence of public municipal supply, unregulated groundwater abstraction and rapid industrialization.
2. Potential water contamination due to poor wastewater management.
3. Evolution of pressure on water resources due to increase in industrial and agricultural activities within the watershed.
4. Lack of control of fertilizers, herbicides and pesticides etc.
5. Lack of access to drinking water.
6. Hygiene and sanitation issues (awareness + facilities)
7. Protection of surface water bodies (e.g., Manderegi and Mawogi river) from pollution.
8. Upper catchment (recharge area) is not protected nor monitored.
9. High water loss to Reverse Osmosis Recovery process due to strict regulatory limit on TDS.

0.1 General Requirements for Single Sites, Multi-Sites and Groups

0.1.1 Eligibility Criteria

0.1.1.1 *The site(s) occupy one catchment OR an exception has been granted.*



Comment The site occupies one catchment.

0.1.1.2 *The scope of the proposed certification shall be under the control of a single management system.*



0.1.1.3 *The scope of the proposed certification shall be homogeneous with respect to primary production system, water management, product or service range, and the main market structures.*



CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

1 STEP 1: GATHER AND UNDERSTAND

1.1 *Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.*

1.1.1 *The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:*

- Site boundaries;
- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;
- Any water sources providing water to the site that are owned or managed by the site or its parent organization;
- Water service provider (if applicable) and its ultimate water source;
- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;
- Catchment(s) that the site affect(s) and is reliant upon for water.


No

Comment The following documents were provided by the client for this indicator:

- 1.1.1A AWS Abaji catchment area
- 1.1.1B Abaji Site Boundaries Protected
- 1.1.1C Abaji Factory Boreholes
- 1.1.1D P&ID Of WTR-Plant
- 1.1.1E Discharge Points
- DRG.AMM.001.V02.21_PLAN ON SITE LAYOUT 2022 - CNG STATION
- Indicator 1.1.1 Abaji Watershed
- WATER PIPE NETWORK

Comments:

- Site boundary was seen in attachment '1.1.1B Abaji Site Boundaries Protected'.
- Water-related infrastructure, including piping network: seen in attachment 'WATER PIPE NETWORK'.
- Any water sources providing water to the site: seen in attachment '1.1.1C Abaji Factory Boreholes'.
- The site provides its own water, ultimate water source for ground water is shown in the attachment '1.1.1A AWS Abaji catchment area'.
- Discharge points and ultimate receiving water body or bodies: seen in attachment '1.1.1E Discharge Points'.
- Catchment that the site affects and is reliant upon for water: seen in attachment 'Indicator 1.1.1 Abaji Watershed'.

The catchment has not been correctly identified, the site has focused on the sub-catchment in terms of groundwater flow but not the surface catchment.

Correct catchment is Upper Niger River Basin.

Finding No: TNR-005142

1.2 *Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.*

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

- 1.2.1** *Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:*
- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;*
 - Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;*
 - Provide evidence of stakeholder consultation on water-related interests and challenges;*
 - Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;*
 - Identify the degree of stakeholder engagement based on their level of interest and influence.*


Yes

Comment The following documents were provided by the client for this indicator:

- 1.2.1 Stakeholder Ranking
- 1.2.2 - Stakeholder Mapping
- List of Stakeholders Water Stewardship

Comment:

Stakeholders and their water-related challenges have been identified in this document '1.2.2 - Stakeholder Mapping'. The process used for stakeholder identification - Nestle uses a CRP tool - relationships, employment, waste, youth engagement. The screenshot is provided in this document '1.2.1 Stakeholder Ranking'.

Evidence provided has clearly identified vulnerable, women, minority, and Indigenous people.

The physical scope identified, considered including stakeholders, representative of the site's ultimate water source and ultimate receiving water body.

On the requirement where the client was to provide evidence of stakeholder consultation on water-related interests and challenges; - the client indicated that questionnaires were used to cover water-related interests and challenges.

The ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups has been identified in the document '1.2.2 - Stakeholder Mapping'.

The degree of stakeholder engagement based on their level of interest and influence has been identified in the document '1.2.2 - Stakeholder Mapping'.

- 1.2.2** *Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.*


Yes

Comment The following evidence was provided by the client for this indicator:

- 1.2.2 - Stakeholder Mapping

Comment:





Current and potential degree of influence between site and stakeholders has been identified, within the catchment considering its ultimate water source and ultimate receiving water body for wastewater.

- 1.3** *Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.*

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

1.3.1	<i>Existing water-related incident response plans shall be identified.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none">-1.3.1A - Emergency Response Procedure -Spill Management-1.3.1B - SOP.PROD. 004.V01.22 - Contingency Plan for Factory Water Outage <p>Comment:</p> <p>Existing water-related incident response plans were provided.</p>	
1.3.2	<i>Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none">-Abaji Water Mass Balance 2022 Jan - Dec 2.xlsb-Montly Water Consumption by Flow Meter 2022 <p>Comment:</p> <p>Site water balance, including inflows, losses, storage, and outflows have been identified and mapped. The water balance for the site is positive based on evidence provided.</p>	
1.3.3	<i>Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none">-Abaji Water Mass Balance 2022 Jan - Dec 2.xlsb-Montly Water Consumption by Flow Meter 2022-1.3.3 Monthly Water Usage Trend -2022 <p>Comment:</p> <p>Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, have been quantified. The site's water balance is positive, according to calculations.</p>	
1.3.4	<i>Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.</i>	 closed

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

-1.8.3B ABAJI EFFLUENT ANALYSIS RESULT - EXTERNAL
-1.3.4 Abaji Groundwater Analysis - NQAC
-Water analysis from JANUARY 2022 to DECEMBER 2022
-FEBRUARY 2022 ANALYSIS
-FINAL JULY
-Influent and effluent result ,2022
-NESTLE ABAJI NOVEMBER ANALYSIS
-NESTLE OCTOBER WATER EFFLUENT AND INFLUENT
-Other results provided were Lab results from 2017 to 2021. These were not attached because of size.

Comment:

Water quality of the site's water sources, effluent and receiving water bodies were quantified.

February 2022 - Exceedance noted in Yeast results for influent & Effluent water.
January 2022 - Exceedance noted in Yeast results for influent & Effluent water.
July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.
July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.
April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water.
Influent water exceedances seen in Color and Yeasts.
August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water.
December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.

Yeast in the results is of concern because aquatic pathogenic yeasts cause superficial infections or life-threatening infections, especially in immunocompromised people.

Some of the parameters are above the limits and might be water-related challenges that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.

Finding No: TNR-005074

1.3.5 *Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.*


Yes

Comment The following evidence was provided by the client for this indicator:

-1.3.5 - DRG.AMM.012.V02.22_HAZARDOUS MATERIAL LAYOUT-Model
-1.3.5 Potential Sources of Pollution
-1.3.5c - F.SHE.036.V06.22 - Impact Assessment Register
-F.QA.125.V03.21 - List of Factory Chemicals 1

Comment:

Potential sources of pollution have been identified and mapped.

1.3.6 *On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.*


Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 1.3.6 IWRAs (Abaji Factory Boreholes)
- 1.3.6B Important Water Related Area

Comment:

The site does not have IWRAs on site but, they are in the process of building a fishpond to show that the Effluent Treatment Plant discharge water quality can support aquatic life and is not harmful to the environment.

1.3.7 *Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.*


Yes

Comment The following evidence was provided by the client for this indicator:

- 1.3.7 Water related costs revenue and value creation (003)

Comment:

Annual water-related costs, revenues, a description and quantification of the social, environmental, and economic water-related value generated by the site were identified and quantified.

1.3.8 *Levels of access and adequacy of WASH at the site shall be identified.*


Yes

Comment The following evidence was provided by the client for this indicator:

- 1.3.8a List of WASH Facilities onsite
- 1.3.8b Nestle Nigeria Plc, Abaji Factory WASH Self-Assessment Tool

Comment:

Levels of access and adequacy of WASH at the site was identified.

1.4 *Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.*

1.4.1 *The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.*


Yes

Comment The following evidence was provided by the client for this indicator:

- 1.4.1 Data on the site indirect water use

Comment:

Evidence shows that the site does not have embedded water use of primary inputs within the site's catchment.




1.4.2 *The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.*


Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment	The following evidence was provided by the client for this indicator:	
	<ul style="list-style-type: none"> -1.4.2B Outsourced Services Quantified -1.4.2C WATER PIPE NETWORK 	
	<p>Comment:</p> <p>The embedded water use of outsourced services operating on site which is canteen and laundry services have been identified and quantified.</p>	
1.5	<i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i>	
1.5.1	<i>Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</i>	 Yes
Comment	The following evidence was provided by the client for this indicator:	
	<ul style="list-style-type: none"> -1.5.1 & 3.1.2A Abaji Proposed Water Regeneration Project -1.5.1 Water Governance in Abaji Catchment -Assessment_of_Water_Quality_of_Gurara_Water_Transf -Nigeria Roadmap to Hand Hygiene for All -Nigerias-national-action-plan-for-the-revitalization-of-the-wash-sector -Public Policies, major publicly led initiatives identified -WASH_NORM_Report_2019 	
	<p>Comment:</p> <p>Water governance initiatives have been identified including catchment plans, water-related public policies, major publicly led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</p>	
1.5.2	<i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i>	 Yes
Comment	The following evidence was provided by the client for this indicator:	
	<ul style="list-style-type: none"> -1.5.2 Water-related legal and Regulatory Requirements.docx 2 	
	<p>Comment:</p> <p>Applicable water-related legal and regulatory requirements were identified.</p>	
1.5.3	<i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i>	 Obs.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

-1.5.3 Water Balance in Catchment Area

Comment:

The catchment water-balance, has been quantified as positive, including indication of seasonal, variance.

The content of the documents focused majorly on recharge of the aquifer (Aquifer water balance) where the site (Nestle) extracted water but not necessarily the catchment water balance. There are possibilities of many Aquifers in the catchment (Upper Niger River Basin) where the site is located.

1.5.4 *Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.*


Yes

Comment The following evidence was provided by the client for this indicator:

-Effluent Analysis Result Rambigas (2017 to 2023 reports were provided however these were too many reports to be attached. The auditor has selected the most recent ones as evidence)

-1.5.4 ABAJI EFFLUENT ANALYSIS RESULT - EXTERNAL

-1.5.4 Abaji Factory Raw Water Quality Monitoring

-1.5.4 Water Quality in the Catchment (NQAC Extract from WRS-2018)

-ABAJI WATER BOARD LABORATORY MONTHLY REPORT 2022

-FINAL JULY. - Nestle and Manderigi Stream

-NW April Mandereji Stream Result

Comment:

Water quality, including physical, chemical, and biological status, of the catchment was identified and quantified. There were trends provided for various parameters as well. Water quality is an issue that would need to be addressed especially the biological aspects.

1.5.5 *Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.*


in progress

Comment The following evidence was provided by the client for this indicator:

-1.5.5 Abaji Factory Boreholes


-1.5.5 Important Water Related Area

Comments:

Catchment has not been correctly identified and therefore neither were all the IWRAs. Correct catchment is Upper Niger River Basin.

Finding No: TNR-004251

1.5.6 *Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.*


in progress

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 1.5.6 Abaji Bh 2 Final Report
- 1.5.6 Abaji Exploratory Borehole Report
- 1.5.6 Boreholes_Sanitation and hygiene facilities in Abaji Community
- 1.5.6B Existing and planned water related infrastructure
- Indicator 1.5.6C
- MP2013 Report
- Supplementary Volume, Project List

Comment:

From evidence provide for indicator 1.5.7, the site has identified some existing water-related infrastructure in the catchment and its condition, for example:

- FCT Abaji Water Board.
- Boreholes.
- Sanitation and Hygiene facilities.
- Domestic wells.

However, planned water related infrastructure has not been identified, neither the potential exposure to extreme events of the existing water-related infrastructure.

Finding No: TNR-004250

1.5.7 *The adequacy of available WASH services within the catchment shall be identified.*



closed

Comment The following evidence was provided by the client for this indicator:

- 1.5.7 Wash Facilities - Nestle Provision in Catchment
- WASH Facilities in the Catchment

Comment:

The documentation provided for this indicator is very old, from years: 2006, 2008 and 2011, which doesn't reflect the current status of the adequacy of WASH services within the catchment.

Finding No: TNR-005143

1.6 *Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.*

1.6.1 *Shared water challenges shall be identified and prioritized from the information gathered.*



Yes

Comment The following evidence was provided by the client for this indicator:

- 1.6.1 & 1.6.2 Shared water challenges updated
- Indicator 1.6.2 Initiatives to address shared water challenges

Comment:

Shared water challenges have been identified and prioritized and the link between a stakeholder and a challenge was clarified. The challenges were developed in consultation with stakeholders through a questionnaire.

1.6.2 *Initiatives to address shared water challenges shall be identified.*



Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 1.6.1 & 1.6.2 Shared water challenges updated
- Indicator 1.6.2 Initiatives to address shared water challenges

Comments:

Initiatives to address shared water challenges have been identified.

1.7 *Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.*

1.7.1 *Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.*



Comment The following evidence was provided by the client for this indicator:

- 1.7.1 & 1.7.2 Site Water related risks and opportunities
- 1.7.2 Water-related opportunities identified

Comment:

Water risks faced by the site have been identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.

1.7.2 *Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.*



Comment The following evidence was provided by the client for this indicator:

- 1.7.1 & 1.7.2 Site Water related risks and opportunities
- 1.7.2 Water-related opportunities identified

Comment:

Water-related opportunities have been identified, including how the site may participate, prioritization of potential savings, and business opportunities.

It is not clearly shown how achievement will be assessed.

1.8 *Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.*





1.8.1 *Relevant catchment best practice for water governance shall be identified.*



CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none"> -1.8.1 Relevant Catchment Best Practices for Water Governance in Abaji -Alliance for Water Stewardship Stakeholders Awareness Training -AWS ATTENDANCE -CRP Stakeholder Engagement Oct '22 - Copy -REPORT OF THE MEETING ON WATER STEWARDSHIP -March, November, October 2022 <p>Comments:</p> <p>The attachments provide site involvement in community projects within the catchment and meetings with various stakeholders. The site has identified ways in which it can partner with stakeholders including government in water related matters.</p>	
1.8.2	<i>Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none"> -1.8.2 Abaji Water Savings Project - 2023 (2) <p>Comment:</p> <p>The site listed best practice options for water savings on site.</p>	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none"> -1.3.4 NQAC Result for Well -1.8.3 2023 Yearly Monitoring Sampling Plan Abaji -1.8.3 ABAJI EFFLUENT ANALYSIS RESULT - EXTERNAL -1.8.3 Relevant Catchment Best Practices for Water Quality in Abaji -1.8.3 Standard for Bottled_Packaged Drinking Water -3_September 2022 Deep Well C22_01894 2022 -ABAJI WATER BOARD LABORATORY MONTHLY REPORT 2022 -NW April Mandereji Stream Result <p>Comment:</p> <p>Best practices were listed in the attachment '1.8.3 Relevant Catchment Best Practices for Water Quality in Abaji'.</p>	
1.8.4	<i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none"> -1.8.4 Relevant Catchment Best Practices for Maintaining IWRA <p>Comment:</p> <p>The evidence provided shows the site's involvement with communities for the maintenance of Important Water-Related Areas.</p>	
1.8.5	<i>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</i>	 Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

-1,8,5 Wash Facilities - Abaji Catchment



Comment:

The evidence provided shows catchment best practice for site provision of equitable and adequate WASH services.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

2	STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	<i>Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</i>	
2.1.1	<i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i> <ul style="list-style-type: none"> - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard. 	 Yes
Comment	The following evidence was provided by the client for this indicator: <ul style="list-style-type: none"> -2.1.1 Abaji Fatory AWS Commitment -Abaji Factory Commitment to WS -Indicator 2.1.1 AWS Commitment - Link The document provided is displayed on the nestle website as follows: https://www.nestle-cwa.com/sites/g/files/pydna346/files/2023-03/AWS%20%20COMMITMENT.pdf	
	Comment: The following commitments were made: <ul style="list-style-type: none"> -Disclose progress on the water stewardship programs. -Support public sector agencies in their effort to encourage water related policies and plans. -Support the site in engaging stakeholders in an open and transparent manner. -Allocate resources needed to effectively implement the AWS standard. 	
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>	
2.2.1	<i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i> <ul style="list-style-type: none"> - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies. 	 Yes
Comment	The following evidence was provided by the client for this indicator: <ul style="list-style-type: none"> -2.2.1 Abaji factory AWS Team -Information on Indicator 2.2.1 -SOP.SHE.025.V06.23 - Procedure for Communication participation and consultation, ABAJI Comment: The process for submission to regulatory agencies was provided. Refer to evidence provided for indicator 3.2.1.	

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

2.3 Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.

2.3.1 A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.

Q
Obs.

Comment The following evidence was provided by the client for this indicator:

-2.3.1 Nestle Nigeria Plc, Abaji Factory Water Stewardship Strategy
-2.3.1 Nestle Stewardship Policy (1)

Comment:

A water stewardship strategy has been identified and it defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with the AWS Standard.

However, the mission, the vision and the goals are not clearly identified in the text of the water stewardship strategy.

2.3.2 A water stewardship plan shall be identified, including for each target:
- How it will be measured and monitored
- Actions to achieve and maintain (or exceed) it
- Planned timeframes to achieve it
- Financial budgets allocated for actions
- Positions of persons responsible for actions and achieving targets
- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.

in progress

Comment The following evidence was provided by the client for this indicator:

-2.3.2 Abaji Water Stewardship Plan

Comment:

The site has identified its water stewardship plan including for each target:

-How it will be measured and monitored: Column E.
-Actions to achieve and maintain (or exceed) it: Column F.
-Planned timeframes to achieve it: Column I.
-Financial budgets allocated for actions: Column K, however not all actions have a budget allocated.
-Positions of persons responsible for actions and achieving targets: Column H.
-Link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes: Column M & Column B.

Finding No: TNR-005145

2.4 Demonstrate the site's responsiveness and resilience to respond to water risks

2.4.1 A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.

Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- Indicator 2.4.1
- Information on Indicator 2.4.1




Comment:

The evidence provided shows a plan to mitigate or adapt to identified water risks developed in co-ordination with Rural Water Supply and Sanitation Agency (RUWASSA).

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

3	STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	<i>Implement plan to participate positively in catchment governance.</i>	
3.1.1	<i>Evidence that the site has supported good catchment governance shall be identified.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none"> -3.1.1 F.SHE.036.V05.19 - Impact Assessment Register -3.1.1 Evidence for Water Governance in Abaji Catchment -Abaji - Nigeria - Groundwater Resource Assessment Nestlé Waters - FINAL-2019 -DW Geological Survey -RE_ Meeting with FCT RUWATSAN - Nestlé Nigeria <p>Comment:</p> <p>The site has worked with communities to provide WASH facilities in collaboration with the government.</p>	
3.1.2	<i>Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.</i>	 Obs.
Comment	<p>The following evidence was provided by the client for this indicator:</p> <ul style="list-style-type: none"> -Indicator 3.1.2 List of Nestle WASH Facilities in Community -Indicator 3.1.2 List of WASH Facilities onsite -Indicator 3.1.2 Water Fountain Result_2022_2023 <p>Comment:</p> <p>The site has highlighted the provision of WASH on site and in the catchment as respecting water rights of the others. There was also evidence to show that the quality of water provided was good.</p> <p>The site has provided water for all communities including indigenous people in the area to respect their water rights.</p>	
3.2	<i>Implement system to comply with water-related legal and regulatory requirements and respect water rights.</i>	
3.2.1	<i>A process to verify full legal and regulatory compliance shall be implemented.</i>	 Obs.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 3.2.1 Checklist Abaji Factory - Permits and Licences - Jan 2023 Update (1)
- 3.2.1B Legal and Regulatory Compliance
- Abaji Yearly Water Abstraction Volume 1
- Effluent COD results 2022
- Letter of Commendation - NESREA
- EFFLUENT DISCHARGE RESULTS - 2022
- Water Usage Ratio 2022

Comment:

The water use license provided expires on 30 January 2024, a spreadsheet ('3.2.1 Checklist Abaji Factory - Permits and Licences - Jan 2023 Update (1)') is used to track the expiry of licenses.

The document 'Abaji Yearly Water Abstraction Volume 1' shows how the site tracks its water use to ensure they don't exceed the license specification of 534,360m³ per annum and a maximum abstraction rate of 0.017m³/s.

The site also discharges wastewater to a local stream, the following attachment 'EFFLUENT DISCHARGE RESULTS - 2022' shows the results of the incoming water and effluent discharged. It is not clear that this is tracked and constantly checked as there were some exceedances noted and nothing was provided to show what the site did so as to ensure compliance.

April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water.

Influent water exceedances seen in Color and Yeasts.

August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water.

December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.

3.2.2 *Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.*



Yes

Comment The following evidence was provided by the client for this indicator:

- Indicator 3.2.2 Measures identified to respect the water rights of others including Indigenous peoples
- Abaji Yearly Water Abstraction Volume 1
- Effluent COD results 2022

Comment:

The site has provided a list of legislation as well as the measures taken to meet the requirements of the legislation.

The site has indicated in one of the measures they put in place to respect the waters rights of others as codified in Nigeria's local laws as 'Payment of water abstraction charges'.

3.3 *Implement plan to achieve site water balance targets.*

3.3.1 *Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.*



Obs.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 3.3.1 Abaji Water Savings Project - 2023
- 3.3.1 Monthly Water Usage Trend -2022
- 3.3.3 Legally-binding documentation, for the re-allocation of water
- Abaji Yearly Water Abstraction Volume 1

Comments:

Ongoing projects have been identified to reduce abstraction.

Evidence of implementation of this action was not provided: Reduce frequency of sand filter backwash from 3 times weekly to once/week.

3.3.2 *Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.*



Comment The following evidence was provided by the client for this indicator:

- 3.3.1 Abaji Water Savings Project - 2023 (2)
- 3.3.1 Monthly Water Usage Trend -2022
- 3.3.2 Abaji Yearly Water Abstraction Volume 1

Comment:

The water usage trend shows volume reduction as well as how much water is abstracted to meet the license requirements annually.

3.3.3 *Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.*



Comment The following evidence was provided by the client for this indicator:

- 3.3.3 Legally binding documentation, for the re-allocation of water

Comment:

Re-allocation of water to social, cultural or environmental needs is not applicable to this site.

3.4 *Implement plan to achieve site water quality targets*

3.4.1 *Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.*



CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

-2022 - Effluent Analysis Result Data
-3.4.1 ABAJI EFFLUENT ANALYSIS RESULT - EXTERNAL
-2023 Yearly Monitoring Sampling Plan - Abaji

Comment:

February 2022 - Exceedance noted in Yeast results for influent & Effluent water.
January 2022 - Exceedance noted in Yeast results for influent & Effluent water.
July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.
July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.

The status of progress towards meeting the water quality target set in the water stewardship was identified.

However, some parameters are above the limits, please refer to indicator 1.3.4.

3.4.2 *Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.*


Yes

Comment The following evidence was provided by the client for this indicator:

-3.4.2 Continual improvement to achieve best practice for the site effluent
-Effluent COD results 2022

Comment:

The site has invested in a new Effluent Treatment Plant so as to improve the quality of water it discharges to the stream.

3.5 *Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.*

3.5.1 *Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.*


Obs.

Comment The following evidence was provided by the client for this indicator:

-3.5.1 Plan to Maintain and or Enhance the Site IWRAs
-SOP.PROD. 006.V01.22 - Procedure for Well Parameters Measurement
-SOP.PROD.003.V01.22 - Procedure for Well Maintenance
-SOP.PROD.005.V01.22 - Procedure for Well Cleaning and Disinfection

Comment:

The site has engaged the community for cleanup exercises to protect Manderegi stream.

Observation: There is opportunity to identify other IWRAs once the catchment is properly defined.

3.6 *Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.*

3.6.1 *Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.*


Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 3.6.1 Food safety Training Record
- 3.6.1 List of WASH Facilities onsite
- 3.6.1 Nestle Nigeria Plc, Abaji Factory WASH Self-Assessment Tool
- Food safety training 2022

Comments:

Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite has been identified and quantified.

3.6.2 *Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.*


Yes

Comment The following evidence was provided by the client for this indicator:

- 3.6.2 List of WASH Facilities onsite
- List of WASH Facilities in Abaji Community
- Water Fountain Result_2022_2023

Comment:

The Laboratory data attached to this indicator shows that the water provided to the community by Nestle is safe for domestic use.

Nestle has provided WASH Facilities to the community which shows that access rights for indigenous and local communities are being respected.

3.7 *Implement plan to maintain or improve indirect water use within the catchment:*

3.7.1 *Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.*


Yes

Comment The following evidence was provided by the client for this indicator:

- Indicator 3.7.1

Comment:

The site has indicated that there were no targets set because all their primary inputs are from outside the catchment.

3.7.2 *Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.*


Yes

Comment The following evidence was provided by the client for this indicator:

- Indicator 3.7.2
- 3.7.2 Evidence of engagement with suppliers and service providers

Comment:

Evidence of engagement with Cleaning and Canteen services operating on site was provided as Minutes of meetings and attendance registers.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

3.8 *Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.*

3.8.1 *Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.*


Yes

Comment The following evidence was provided by the client for this indicator:

- Acknowledged Letter AEPB
- Attendance - AWS SH Engagement
- Attendance - Visit to FCT RUWASSA
- AWS Certification Awareness
- Community Stakeholder Engagement March 2023
- COMMUNITY STAKEHOLDERS MEETING ATTENDANCE
- CRP Stakeholder Engagement Oct '22
- Minute of Community Stakeholders' meeting
- REPORT OF THE MEETING ON WATER STEWARDSHIP

Comment:

The site doesn't share any water-related infrastructure. However, evidence of engagement, and the key messages relayed with confirmation of receipt, was identified.

3.9 *Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.*

3.9.1 *Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.*


Yes


Comment The following evidence was provided by the client for this indicator:

-3.9.1 Action towards achieving Water Governance in Abaji Catchment

Comment:

The attachments provide site involvement in community projects within the catchment and meetings with various stakeholders. The site has identified ways in which it can partner with stakeholders including government in water related matters. Also, the evidence shows actions by the site in provision of WASH facilities in the community.

3.9.2 *Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.*


in progress

Comment The following evidence was provided by the client for this indicator:

-3.9.2 Abaji Water Savings Project - 2023 (2)

Comment:

The client has listed various water saving projects that have a deadline of 31-Dec-2024 however information on actions achieved so far was not provided.

Finding No: TNR-005063

3.9.3 *Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.*


Yes

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 1.5.4 Abaji Factory Raw Water Quality Monitoring
- 1.9.3 2023 Yearly Monitoring Sampling Plan Abaji
- 3.9.3 ABAJI EFFLUENT ANALYSIS RESULT - EXTERNAL
- 2023 EFFLUENT AND INFLUENT REPORTS

Comments:

The site has an objective to protect surface water bodies (e.g. Manderigi stream, Abaji) from pollution (IWRAS) and groundwater contamination. It has therefore carried out a sampling regime in order to understand the water quality of Manderigi stream, Abaji as well as ensure that the site discharges good quality effluent that supports aquatic life.

3.9.4 *Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.*

Q
Obs.

Comment The following evidence was provided by the client for this indicator:

- 3.9.4 Actions towards maintaining IWRAs Implemented
- Environmental YTD new (14)
- SOP.PROD. 006.V01.22 - Procedure for Well Parameters Measurement
- SOP.PROD.003.V01.22 - Procedure for Well Maintenance
- SOP.PROD.005.V01.22 - Procedure For Well Cleaning and Disinfection
- WI.PROD.143.V01.22 - Deepwell Pump Replacement
- 1.8.4 Relevant Catchment Best Practices for Maintaining IWRA

Comment:

Evidence was provided of implemented actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas.

The site has not properly identified IWRAs in the catchment area and therefore there is opportunity for more actions.

3.9.5 *Actions towards achieving best practice related to targets in terms of WASH shall be implemented.*

✓
Yes

Comment The following evidence was provided by the client for this indicator:

- 3.9.5 Nestle Nigeria Plc, Abaji Factory WASH Self-Assessment Tool
- WASH Facilities in the Catchment

Comment:

From evidence provided for indicator 1.8.5 the site has implemented actions towards achieving best practice in terms of WASH.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

4STEP 4: EVALUATE - Evaluate the site's performance.	
4.1	<i>Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.</i>
4.1.1	<i>Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.</i>
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-4.1.1 - 4.1.3 Shared value benefits in the catchment</p> <p>Comment:</p> <p>The evidence provided analyses targets but does not evaluate contribution to achieving water stewardship outcomes.</p>
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-4.1.1 - 4.1.3 Shared value benefits in the catchment</p> <p>Comment:</p> <p>The evidence provided does not show evaluation of value creation from the water stewardship plan.</p>
Finding No: TNR-005070	
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-4.1.1 - 4.1.3 Shared value benefits in the catchment</p> <p>Comment:</p> <p>Column E of shared value benefits in the catchment document has identified and quantified the shared value benefits in the catchment.</p>
4.2	<i>Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</i>
4.2.1	<i>A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.</i>

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

- 4.2.1 Water related emergency Incidents
- SOP for nonconformity, corrective & preventive Action
- SOP.PROD. 004.V01.22 - Contingency Plan for Factory Water Outage

Comment:

There was no water related incident that occurred; however, the site has shared the procedures as evidence in the event that emergency incidents occur.

4.3 *Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.*

4.3.1 *Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.*



Yes

Comment The following evidence was provided by the client for this indicator:

- 4.3.1 CRP Tool
- Indicator 4.3.1

Comment:

Consultation efforts with the stakeholders have happened. Evidence is attached.

4.4 *Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.*

4.4.1 *The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.*



in progress

Comment The following evidence was provided by the client for this indicator:

- 4.4.1 Abaji Water Stewardship Plan Modified

Comment:




Although a new plan was presented, it was not clear what had changed and when. There was no summary of the changes.

Finding No: TNR-005071

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)




Audit Number: AO-000542

5	STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.	
5.1.1	The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.	 in progress
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-5.1.1 Abaji factory AWS Role and Responsibilities</p> <p>Comment:</p> <p>The site's water-related internal governance, as well as positions of those accountable for compliance with water-related laws and regulations were provided as evidence for this indicator but there was no evidence of disclosure.</p> <p style="text-align: right;">Finding No: TNR-005072</p>	
5.2	Communicate the water stewardship plan with relevant stakeholders.	
5.2.1	The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	 Obs.
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-5.2.1 Communicate the water stewardship plan with relevant stakeholders</p> <p>-Community Stakeholder Engagement March 2023</p> <p>Comment:</p> <p>The evidence provided shows the site's communication of its water stewardship plan, including performance but the site missed to communicate how the plan contributes to AWS Standard outcomes.</p>	
5.3	Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.	
5.3.1	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.	 in progress
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-5.3.1 A summary of the site water stewardship performance</p> <p>-Report for the NIWRMC - Quarter 4 2022</p> <p>Comment:</p> <p>Apart from water abstraction data, the evidence provided does not have quantified performance against targets.</p> <p style="text-align: right;">Finding No: TNR-005075</p>	
5.4	Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.	

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

5.4.1	<i>The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.</i>	 in progress
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-Indicator 5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be disclosed (2) -Indicator 5.4.1 Summary of Nestle Nigeria Plc, Abaji Factory WS Plan</p> <p>Comment:</p> <p>The evidence outlines efforts made by the site to address shared water challenges however it does not show that these efforts have been disclosed.</p> <p>Finding No: TNR-005076</p>	
5.4.2	<i>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.</i>	 Yes
Comment	<p>The following evidence was provided by the client for this indicator:</p> <p>-5.4.2 Efforts made by the site to engage stakeholders.pdf 2 -Acknowledged Letter AEPB -Attendance - Visit to FCT RUWASSA -AWS ATTENDANCE -RE_ Meeting with FCT RUWATSAN - Nestlé Nigeria</p> <p>Comment:</p> <p>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies were identified.</p>	
5.5	<i>Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.</i>	
5.5.1	<i>Any site water-related compliance violations and associated corrections shall be disclosed.</i>	 closed

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

-Indicator 5.5.1 Any site water-related compliance violations and associated corrections.

Comment:

The following laboratory results were concerning but these were not noticed or investigated by the site. They were also not disclosed to authorities.

February 2022 - Exceedance noted in Yeast results for influent & Effluent water.

January 2022 - Exceedance noted in Yeast results for influent & Effluent water.

July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.

July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.

April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water.

Influent water exceedances seen in Color and Yeasts.

August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water.

December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.

Yeast in the results is of concern because aquatic pathogenic yeasts cause superficial infections or life-threatening infections, especially in immunocompromised people.

Finding No: TNR-005077

5.5.2 *Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.*


in progress

Comment The following evidence was provided by the client for this indicator:

-Indicator 5.5.1 Any site water-related compliance violations and associated corrections.

Comments:

There was no corrective actions taken by the site to prevent future occurrences of the exceedances mentioned below. These were not disclosed.

February 2022 - Exceedance noted in Yeast results for influent & Effluent water.

January 2022 - Exceedance noted in Yeast results for influent & Effluent water.

July 2022 - Exceedance noted in TDS & Yeast results in influent water. Yeast was noted in Effluent water.

July 2022 Manderigi Stream result - Turbidity & Yeast was exceeded in stream water measurements.

April 2022 results - exceedances seen in Color, Manganese & Yeasts in Effluent water.

Influent water exceedances seen in Color and Yeasts.

August 2022 results - exceedances seen in TDS & Yeasts in influent water. Exceedances seen in Yeast in effluent water.

December 2022 results - high exceedances seen in Nitrates, Total Nitrogen & Coliforms & Yeast in Influent water. Exceedances seen in coliforms in effluent water.

Finding No: TNR-005079

5.5.3 *Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.*


in progress

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000542

Comment The following evidence was provided by the client for this indicator:

-Indicator 5.5.1 Any site water-related compliance violations and associated corrections.

The presence of yeast in the water samples is of concern because aquatic pathogenic yeasts cause superficial infections or life-threatening infections, especially in immunocompromised people. There was no evidence of disclosure.

Finding No: TNR-005078

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Photographic Evidence from Audit



Storm water channel within the factory.png



Engineering Workshop Area.jpg



Canopy Area showing Oil Store & Hazardous Waste.png



CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542

Effluent Discharge Flow meter.jpg

✓
Yes

Comment The photographic evidence from the audit is attached.



A visit to the ETP showing a Fish Pond awaiting Commissioning - 1.jpg



Ecological Control Project at the back of factory perimeter fence.png



Effluent Treatment Plant.png

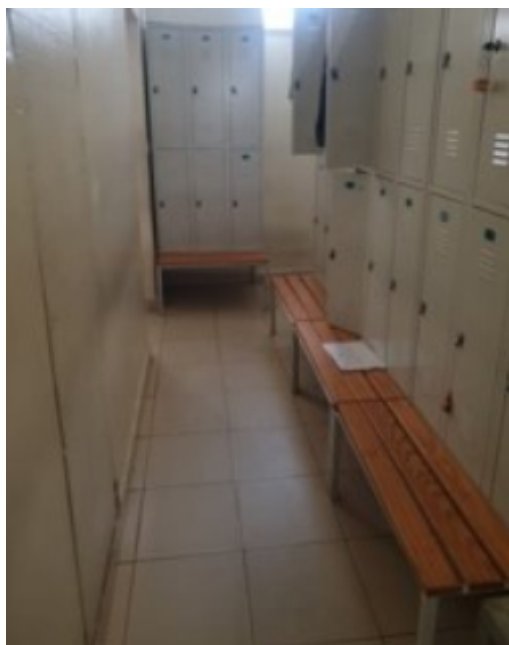
CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542



Hand Wash Station and Water Dispenser at the Canteen - 2.jpg



Female Social Facility equipped with wash hand station, toilet, change room and bathe room. Same facilities are provided for the male on site - 3.jpg

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542



Female Social Facility equipped with wash hand station, toilet, change room and bathe room. Same facilities are provided for the male on site - 2.jpg



Female Social Facility equipped with wash hand station, toilet, change room and bathe room. Same facilities are provided for the male on site - 4.jpg

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542



Hand Wash Station and Water Dispenser at the Canteen - 1.jpg



Pedestrian bridge over the channel for community access to their farms.jpg



A visit to the ETP showing a Fish Pond awaiting Commissioning - 2.jpg

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542



Female Social Facility equipped with wash hand station, toilet, change room and bathe room. Same facilities are provided for the male on site - 1.jpg



Developed Vegetation from the Factory Effluent Discharge Water.jpg

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-000542



The Audit team at the Deep Well Room.png