

# CERTIFICATION REPORT

## Alliance for Water Stewardship (AWS)



Audit Number: AO-001763

### SITE DETAILS

Site: **Ecolab Barueri Plant**

Address: Rod. Pres. Castello Branco, 216 - Jardim Belval, 06422-120, Barueri, São Paulo, BRAZIL

Contact Person:

AWS Reference Number: AWS-000470

Site Structure: Single Site

### CERTIFICATION DETAILS

Certification status: **Certified Core**

Date of certification decision: 2026-Jan-08

Validity of certificate: 2029-Jan-07

### AUDIT DETAILS

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

Audit Type(s): Re-Certification Audit

Audit Start Date: 2025-Oct-07

Audit End Date: 2025-Oct-09

Lead Auditor: Rosane Monteiro Borges

Site Participants:

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### ADDITIONAL INFO

**Summary of Audit Findings:** During the re-certification audit, 4 non-conformities and 3 observations were raised.

The Client is requested to submit a root cause analysis and corrective actions for each of the non-conformities to WSAS within 7 days of receipt of the audit report, by 25 November 2025.

The non-conformities must be closed within 90 days of the end of the audit. Due to the Christmas period, this due date is extended to 14 January 2026. In order to meet this timeline evidence is to be submitted to WSAS by 30 December 2025.

The audit team recommends re-certification of Ecolab Barueri Plant at Core level pending closure of the non-conformities.

**Scope of Assessment:** The scope of services covers the recertification audit for assessing conformity of Ecolab Barueri against the AWS International Water Stewardship Standard Version 2.

Ecolab Barueri plant is located in the city of Barueri, São Paulo state, Brazil. It is located in a predominantly industrial and commercial area, surrounded by warehouses, businesses, and industries. Its surrounding area also includes urban residential areas. There is no significant agricultural activity. The natural environment is limited to fragments of urban vegetation and waterways belonging to the Tietê River basin, located within an urbanized context.

The site produces cosmetics and cleaning products and serves six Ecolab divisions: Institutional, Healthcare, Food Retail Services, Food & Beverage, Quick Service Restaurants, and Pest Elimination.

The water is used for human consumption, in the incorporation of finished products, and also for industrial processes (heating, cooling tower, gas scrubber, tank and line cleaning, and packaging cleaning).

The unit is supplied by the public water network of Sabesp (concessionaire), with no water abstraction. The site has a water treatment system consisting of reverse osmosis, carbon filters, ultrafiltration, a softener, a sand filter, UV lamps, and ozone treatment.

Domestic and industrial wastewater generated on the site is sent to an external Wastewater Treatment Plant (Barueri WWTP - SABESP), where it undergoes treatment before being discharged into Tietê River. Rainwater is channeled through gutters and containment systems, being released in a controlled manner into the local drainage system or, when necessary, directed to the SABESP treatment system.

Ecolab unit in Barueri has approximately 135 employees and a total area of 17,914 m<sup>2</sup>, including built-up area dedicated to production, administrative, and support operations.

The facility is located in the Pinheiros-Pirapora sub-basin, part of the Upper Tietê Basin. This sub-basin is experiencing water scarcity due to heavy urbanization, population concentration, and industrial activities, putting pressure on resource availability. It is also an area susceptible to flooding, especially during periods of heavy rainfall.

The audit was conducted onsite on October, 7th to 9th.

The onsite site visit included the assessment of a representative sample of water source locations and water disposal locations used by the client, noting that the site receives water and discharges effluent externally (SABESP), on-site water infrastructure: WTP and WWTP, on-site WASH facilities, chemical storage and solid waste treatment areas, and production process.

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### FINDINGS

#### NUMBER OF FINDINGS PER LEVEL

Observation	3
Non-Conformity	4

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### FINDING DETAILS

Finding No:	TNR-020678
Checklist Item No:	Announcement
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	<p>At least eight (8) weeks before the start date of the initial certification audit or the re-evaluation audit, AWS will publish on its website the dates of the assessment of the site(s) with the intention to pursue AWS (Re-)Certification. Stakeholder submissions are accepted from this date and during the entire period of validity of the AWS Certificate. Submissions, comments and/or feedback received by AWS will be shared with the CAB so the audit team may use the information for their investigations during the next audit.</p> <p>The site(s) seeking certification shall complete the Stakeholder Announcement Form found on the AWS website, and release it in at least two outlets: published in local language(s) on the site's website(s) and in a local media outlet (if applicable, economical, practical, and available) that is appropriate for the site and the related stakeholders (for example, local newspaper, radio, or websites).</p>
Findings:	<p>The announcement by the Site on its website was in English, not Portuguese, and the local disclosure was in one outlet when the Certification requirements ask for two, suited to the site and stakeholders.</p>
Corrective action:	<p>The site will collaborate with the corporate communications team to ensure stakeholder announcements are translated into the local language moving forward. In addition, the site will develop and evaluate platforms for local publication in alignment with Ecolab's corporate communication guidelines.</p>
Finding No:	TNR-020679
Checklist Item No:	1.3.3
Status:	Open
Finding level:	Observation
Checklist item:	<p>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.</p>
Findings:	<p>The unaccounted differences between inputs and outputs identified by Ecolab Barueri in the 2024 Water Balances are close to 5%, which can be considered acceptable. For 2025, the difference calculated from January to July is 6%. The level indicates the difference should be further analysed.</p>

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Finding No:	TNR-020714
Checklist Item No:	5.2.1
Status:	Open
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:	<p>Ecolab sends Stakeholders communications about its main challenges in the basin, offering to listen to their perspective.</p> <p>To this end, it also provides a link to the 2024 Sustainability Report and case studies of industrial plants located in Mexico (2 units) and Chile (1 unit).</p> <p>In the case of the Barueri examples, information regarding the WSP and its results linked to the respective Outcomes can be found at the link: <a href="https://www.ecolab.com/corporate-responsibility/environment/water-stewardship">https://www.ecolab.com/corporate-responsibility/environment/water-stewardship</a></p> <p>This link, however, is not provided in the correspondence sent to Stakeholders. If the Stakeholder responds with an interest in continuing a conversation with Ecolab, the Stakeholders 2025.pptx Presentation is shared at a specific meeting, either in person or online.</p>
Finding No:	TNR-021587
Checklist Item No:	5.3.1
Status:	Open
Finding level:	Observation
Checklist item:	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.
Findings:	The disclosure on the website outlines some WSP actions related to their respective outcomes and qualitative results but this disclosure does not align with quantitative targets and performance in the water stewardship plan.
Finding No:	TNR-020716
Checklist Item No:	5.5.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-14
Checklist item:	Any site water-related compliance violations and associated corrections shall be disclosed.
Findings:	There were several exceedances of the effluent quality limits specified in the Operating License. The effluent is further treated by a wastewater treatment service provider and the disclosure is not legally required but no evidence of investigation of the exceedances or information about voluntary disclosure of exceedances was provided
Corrective action:	Information has been redacted for confidentiality reasons

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## Alliance for Water Stewardship (AWS)

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Finding No: TNR-020718

Checklist Item No: 5.5.2

Status: Closed

Finding level: Non-Conformity

Due date: 2026-Jan-14

Checklist item: Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.

Findings: There were several exceedances of the effluent quality limits specified the Operating License. No evidence was presented on Investigation using the Velocity tool used by the Company to determine the causes of incidents and define the necessary corrective measures to resolve them and prevent recurrences.

Corrective action: Information has been redacted for confidentiality reasons

Finding No: TNR-020719

Checklist Item No: 5.5.3

Status: Closed

Finding level: Non-Conformity

Due date: 2026-Jan-14

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 team reported that any risks to the environment and human health from the noted exceedances of wastewater limits are mitigated, as effluents are sent to external wastewater treatment plant for treatment. However, evidence of investigation of the exceedances was not provided and it is not clear if the site liaised with the wastewater service provider to clarify if and in which conditions the pro-active sharing of deviations should occur.

Corrective action: Information has been redacted for confidentiality reasons

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### Report Details

Report	Value
Report prepared by	Rosane Monteiro Borges
Report approved by	Lorenzo Brioschi
Report approved on (Date)	13/11/2025

### Surveillance

Proposed date for next audit  
2026-Oct-06

### Stakeholder Announcements

Date of publication	Location	Finding No: TNR-020678
04/08/2025	<a href="https://pt-br.ecolab.com/corporate-responsibility/environment/water-stewardship">https://pt-br.ecolab.com/corporate-responsibility/environment/water-stewardship</a>	
Comment	<p>The date on the document used by the Site on its website to disclose the Recertification Audit to Stakeholders does not correspond to the actual date of the audit conducted at Ecolab Barueri (it was disclosed as having occurred one week before the actual audit date).</p> <p>The information on the website was changed to reflect the correct date of the Recertification Audit.</p> <p>The disclosure is in English, not Portuguese, and AWS information was used. Ecolab Barueri failed to disclose the information in at least two media outlets: published in the local language on the Ecolab website and in a local media outlet (if applicable, cost-effective, practical, and available) appropriate to the site and related stakeholders (e.g., newspaper, radio, or local websites).</p> <p>Attached the two AWS (in English) document, with both dates (first publication: 01 to 03-10-2025 and second publication: 07 to 09-10-2025).</p> <p>Attached is a screenshot of the Ecolab website, where the AWS document can be accessed in English.</p> <p>You can choose the language in which the information is published on the website; however, the information disclosed about the audit remains in English, as Ecolab has not provided a translation into Portuguese.</p> <p>Website Link: <a href="https://pt-br.ecolab.com/corporate-responsibility/environment/water-stewardship">https://pt-br.ecolab.com/corporate-responsibility/environment/water-stewardship</a></p> <p>NC was raised.</p>	
Comment	<p>The interviews took place on October 8th and 9th, 2025, via Internet.</p> <p>Attached is a file with the complete content of the interviews.</p>	

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### Catchment Information

#### Catchment Information

The site is located in the Upper Tietê Pinheiros-Pirapora Sub-Basin.

The company receives water from Sabesp's public water network, integrated into the Alto Tietê System, which belongs to the Alto Tietê Basin. Domestic and industrial effluents are sent to the Barueri Sewage Treatment Plant (Sabesp), where they are treated and subsequently discharged into the Tietê River, within the same basin. Ecolab Barueri does not use groundwater.

The site is primarily served by Sabesp (approximately 95% of consumption), which supplies treated water from the Integrated Water Supply System of the São Paulo Metropolitan Region, which belongs to the Alto Tietê Basin. Additionally, approximately 5% of the water can be supplied by tanker trucks, used in emergency situations. This water is collected from wells located in Santana de Parnaíba, with a permit associated with the Fractured Crystalline Aquifer.

For direct human consumption, the site uses bottled water supplied by a licensed company, unrelated to production operations or industrial utilities.

Domestic and industrial effluents are sent to the Barueri Sewage Treatment Plant (SABESP), with their final discharge into the Tietê River.

Rainwater is channeled through gutters and containment systems, being released in a controlled manner into the local drainage system or, when necessary, into the SABESP treatment system.

The Pinheiros-Pirapora sub-basin is experiencing water scarcity due to heavy urbanization, population concentration, and industrial activities, putting pressure on resource availability. It is also an area susceptible to flooding, especially during periods of heavy rainfall.

The sub-basin has environmentally protected areas related to springs and tributaries of the Tietê River, designed to preserve water resources. Water transfers also occur between river basins that make up the São Paulo Metropolitan Region's water supply system. The climate is tropical, with a rainy season in summer and a dry season in winter. Water use is predominantly urban and industrial, with little agricultural involvement.



Sub-Basin Pinheiros-Pirapora in Alto Tietê Basin - Image 2.jpg



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Sub-Basin Pinheiros-Pirapora in Alto Tietê Basin.jpg

### Client Description and Site Details

#### Client/Site Background

Information has been redacted for confidentiality reasons

### Summary of Shared Water Challenges


#### Summary of Shared Water Challenges

The basin's shared challenges, according to Ecolab Barueri and its contacts with various stakeholders and interviews conducted with stakeholders during the audit, are:

- Floods.
- Preservation of green areas and loss of biodiversity.
- Water scarcity.
- Access to safe drinking water.
- Chemical spills.
- Lack of sewage treatment.
- Conflicts between urban and rural areas in the basin, with disorderly occupations: deforestation, land sealing, and garbage strewn throughout the basin.

Comment      Attached documents:  
Interview with Stakeholders.pdf  
1.6.1.1.7.1 Shared Water Challenges and Water Risks.xlsx

### 0.0.1 Water Source & Discharge Locations

**0.01**      *Have any water source or discharge locations been visited during the audit, if so, which and where? If none were visited, please provide justification.*        
Yes

Comment      The following locations were visited internally at Ecolab Barueri:

Internal visits included: the treated water reception point from Sabesp and the effluent disposal point to Sabesp, on-site water infrastructure (WTP and WWTP), on-site WASH facilities, chemical storage and solid waste treatment areas, and the production process.

The site receives treated water from Sabesp and discharges effluent for external treatment (Sabesp).

Plant management informed that visits to Sabesp's WTP and WWTP will require an additional day at the site, beyond the scheduled audit days, due to travel, visiting times (conducted during administrative hours), and the size of Sabesp's water and wastewater treatment units.

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1 STEP 1: GATHER AND UNDERSTAND	
1.1	<i>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.</i>
1.1.1	<i>The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:</i> <ul style="list-style-type: none"> <li>- Site boundaries;</li> <li>- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;</li> <li>- Any water sources providing water to the site that are owned or managed by the site or its parent organization;</li> <li>- Water service provider (if applicable) and its ultimate water source;</li> <li>- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;</li> <li>- Catchment(s) that the site affect(s) and is reliant upon for water.</li> </ul>
Comment	Information has been redacted for confidentiality reasons
1.2	<i>Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.</i>
1.2.1	<i>Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:</i> <ul style="list-style-type: none"> <li>- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;</li> <li>- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;</li> <li>- Provide evidence of stakeholder consultation on water-related interests and challenges;</li> <li>- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;</li> <li>- Identify the degree of stakeholder engagement based on their level of interest and influence.</li> </ul>
Comment	Information has been redacted for confidentiality reasons
1.2.2	<i>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.</i>
Comment	Information has been redacted for confidentiality reasons
1.3	<i>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.</i>
1.3.1	<i>Existing water-related incident response plans shall be identified.</i>
Comment	Information has been redacted for confidentiality reasons
1.3.2	<i>Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</i>

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## Alliance for Water Stewardship (AWS)

WSAS

WATER  
STEWARDSHIP  
ASSURANCE  
SERVICES

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Comment	Information has been redacted for confidentiality reasons	
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>	Obs.
Comment	Information has been redacted for confidentiality reasons	
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>	Yes
Comment	Information has been redacted for confidentiality reasons	
1.3.5	<i>Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.</i>	Yes
Comment	Information has been redacted for confidentiality reasons	
1.3.6	<i>On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.</i>	Yes
Comment	Information has been redacted for confidentiality reasons	
1.3.7	<i>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.</i>	Yes
Comment	Information has been redacted for confidentiality reasons	
1.3.8	<i>Levels of access and adequacy of WASH at the site shall be identified.</i>	Yes
Comment	Information has been redacted for confidentiality reasons	
1.4	<i>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.</i>	
1.4.1	<i>The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.</i>	Yes
Comment	Information has been redacted for confidentiality reasons	
1.4.2	<i>The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.</i>	Yes
Comment	Information has been redacted for confidentiality reasons	
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

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Comment	Information has been redacted for confidentiality reasons	
<b>1.5.2</b>	<i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.5.3</b>	<i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.5.4</b>	<i>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.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.5.5</b>	<i>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.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.5.6</b>	<i>Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.5.7</b>	<i>The adequacy of available WASH services within the catchment shall be identified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.6</b>	<i>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</i>	
<b>1.6.1</b>	<i>Shared water challenges shall be identified and prioritized from the information gathered.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.6.2</b>	<i>Initiatives to address shared water challenges shall be identified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.7</b>	<i>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.</i>	
<b>1.7.1</b>	<i>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.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	

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<b>1.7.2</b>	<i>Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.8</b>	<i>Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</i>	
<b>1.8.1</b>	<i>Relevant catchment best practice for water governance shall be identified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.8.2</b>	<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	Information has been redacted for confidentiality reasons	
<b>1.8.3</b>	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.8.4</b>	<i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>1.8.5</b>	<i>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	

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2	<b>STEP 2: COMMIT &amp; PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan</b>	
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"> <li>- That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</li> <li>- That the site implementation will be aligned to and in support of existing catchment sustainability plans</li> <li>- That the site's stakeholders will be engaged in an open and transparent way</li> <li>- That the site will allocate resources to implement the Standard.</li> </ul>	 <b>Yes</b>
Comment	Information has been redacted for confidentiality reasons	
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"> <li>- Identification of responsible persons/positions within facility organizational structure</li> <li>- Process for submissions to regulatory agencies.</li> </ul>	 <b>Yes</b>
Comment	Information has been redacted for confidentiality reasons	
2.3	<i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i>	
2.3.1	<i>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.</i>	 <b>Yes</b>
Comment	Information has been redacted for confidentiality reasons	
2.3.2	<i>A water stewardship plan shall be identified, including for each target:</i> <ul style="list-style-type: none"> <li>- How it will be measured and monitored</li> <li>- Actions to achieve and maintain (or exceed) it</li> <li>- Planned timeframes to achieve it</li> <li>- Financial budgets allocated for actions</li> <li>- Positions of persons responsible for actions and achieving targets</li> <li>- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.</li> </ul>	 <b>Yes</b>
Comment	Information has been redacted for confidentiality reasons	
2.4	<i>Demonstrate the site's responsiveness and resilience to respond to water risks</i>	

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2.4.1	<i>A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</i>	<div><div></div><div>Yes</div></div>
Comment	Information has been redacted for confidentiality reasons	



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3 STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	Implement plan to participate positively in catchment governance.
3.1.1	Evidence that the site has supported good catchment governance shall be identified. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
3.1.2	Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
3.2	Implement system to comply with water-related legal and regulatory requirements and respect water rights.
3.2.1	A process to verify full legal and regulatory compliance shall be implemented. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
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. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
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. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
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. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
3.3.3	Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
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. <span>✓</span> Yes
Comment	Information has been redacted for confidentiality reasons
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. <span>✓</span> Yes



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Comment	Information has been redacted for confidentiality reasons	
<b>3.5</b>	<i>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</i>	
<b>3.5.1</b>	<i>Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.6</b>	<i>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.</i>	
<b>3.6.1</b>	<i>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.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.6.2</b>	<i>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.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.7</b>	<i>Implement plan to maintain or improve indirect water use within the catchment:</i>	
<b>3.7.1</b>	<i>Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.7.2</b>	<i>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.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.8</b>	<i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</i>	
<b>3.8.1</b>	<i>Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.9</b>	<i>Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</i>	
<b>3.9.1</b>	<i>Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	

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<b>3.9.2</b>	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.9.3</b>	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.9.4</b>	<i>Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	
<b>3.9.5</b>	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Yes
Comment	Information has been redacted for confidentiality reasons	

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4 STEP 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>	✓ Yes
Comment	Information has been redacted for confidentiality reasons	
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>	✓ Yes
Comment	Information has been redacted for confidentiality reasons	
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>	✓ Yes
Comment	Information has been redacted for confidentiality reasons	
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>	✓ Yes
Comment	Information has been redacted for confidentiality reasons	
4.3	<i>Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</i>	
4.3.1	<i>Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.</i>	✓ Yes
Comment	Information has been redacted for confidentiality reasons	
4.4	<i>Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.</i>	
4.4.1	<i>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.</i>	✓ Yes
Comment	Information has been redacted for confidentiality reasons	

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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.	Yes
Comment	Information has been redacted for confidentiality reasons	
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	Information has been redacted for confidentiality reasons	
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.	Obs.
Comment	Information has been redacted for confidentiality reasons	
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.	
5.4.1	The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.	Yes
Comment	Information has been redacted for confidentiality reasons	
5.4.2	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	Yes
Comment	Information has been redacted for confidentiality reasons	
5.5	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.	
5.5.1	Any site water-related compliance violations and associated corrections shall be disclosed.	No
Comment	Information has been redacted for confidentiality reasons	
Finding No: TNR-020716		
5.5.2	Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	No
Comment	Information has been redacted for confidentiality reasons	
Finding No: TNR-020718		


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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.	 No
Comment	Information has been redacted for confidentiality reasons	<b>Finding No: TNR-020719</b>

Previous Findings

	All non-conformities raised in the previous audit have been satisfactorily closed.	 Yes
Comment	Information has been redacted for confidentiality reasons	