

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-000721

SITE DETAILS

Site: **Norsa Refrigerantes - Cabo de Santo Agostinho/Suape**
Address: EST ETR TERCEIRO ACESSO DA PE-60, 7465, PARTE, 54590-000, Cabo de Santo Agostinho, Pernambuco, BRAZIL
Contact Person: Antonio Santos
AWS Reference Number: AWS-000642
Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Core
Date of certification decision: 2023-Dec-13
Validity of certificate: 2026-Dec-13

AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)
Audit Type(s): Initial Audit
Audit Start Date: 2023-Sep-15
Lead Auditor: Carla Oberdiek
Audit team participants:
Carla Oberdiek, Lead Auditor

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Site Participants:

Elielton A. Albuquerque, SGI Analyst
Ana Paula do Nascimento, SGI coordinator
Álvaro Ferreira da Silva, ETE/ETA Quality Assurance Supervisor
Jardel César Barboza da Silva Almeida, maintenance analyst
Rivanildo Francisco de Oliveira Vieira, Supervisor AQP
Ednaldo Cunha, production manager
César Lima, industrial manager
Luciano Barbosa da Silva Junior, maintenance supervisor
Luana Guedes, Occupational Safety Engineer
Thiago Maresco, production supervisor
Nara Paes de Andrade Viera, occupational doctor
Aline Emi da Silva Ferreira, administrative supervisor
Gabriel José Ferreira Neto, Nursing Technician
José Roberto Albuquerque de Mello, Occupational Safety Technician
Erica Diana da Silva Bishop, Administrative Assistant for the occupational safety area
Adriana Maria dos Santos, work safety technician
Edclecio José Santos Junior, PCP Supervisor
Wellison Silyt Silva dos Santos, production supervisor
Gustavo Henrique, production supervisor
Ariana da Silva Pereira, apprentice
Cristiano Rodrigues Alexandre da Silva, AQP Supervisor
Erick Wilton da Silva, maintenance supervisor
Ana Paula de Arruda Raposo Gomes, shipping coordinator
Nadja Fabíola Ferreira da Silva, shipping
Fernando José da Silva, Occupational Safety Technician
Antônio Carlos dos Santos, SGI Coordinator
Joseline de Sá Aragão, SGI Coordinator
Anna Paula Lima, SGI analyst
Hérica Lane da Silva, SGI analyst
Ana Paula do Nascimento, SGI Coordinator

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ADDITIONAL INFO

Summary of Audit Findings: A total of fifteen findings were raised during the certification audit, one major non-conformities, seven minor non-conformities and seven observations. The major non-conformities were of sufficient concern to warrant the categorization of the non-conformity as major and related to GOOD WATER GOVERNANCE.

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 28-01-2024.

Major non-conformities must be sufficiently addressed, and evidence submitted to WSAS within 90 days of receipt of the report by 28-02-2024

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

The audit team recommends certification of Norsa Refrigerantes - Cabo de Santo Agostinho/Suape at Core level pending approval of the corrective actions plan and closure of the major non-conformities.

CLOSURE OF FINDINGS AND CORRECTIVE ACTION PLAN:

The Client has successfully resolved the major non-conformity and submitted the corrective action plan addressing all findings.

Proof of implementation has been requested for the Minors and this will be evaluated during the Surveillance Audit. The client is requested to upload evidence of implementation prior to the Surveillance Audit.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of Norsa Refrigerantes - Cabo de Santo Agostinho/Suape against the AWS International Water Stewardship Standard Version 2.

The unit is located in the Suape Port Industrial Complex, on Rodovia PE-60, 7465, Engenho Serraria, in the municipality of Cabo de Santo Agostinho, state of Pernambuco. The Solar-SUA unit has a total area of 300,000 m². The built area corresponds to ACEITE-SE, is 54,075.31m².

Norsa Suape produces Coca-Cola, Fanta, Sprite, Kwat, Guaraná Jesus and Schweppes soft drinks and juice Kapo. The plant operates 24 hours a day, 7 days a week.

The municipality of Cabo de Santo Agostinho is in the catchment UP 04 – Metropolitana Sul. The unit is supplied solely by surface water captured in the Utinga dam despite maintaining the abstraction grant for both dams. COMPESA (Companhia Pernambucana de Saneamento) is the company responsible for the Suape System, which includes as supply sources the rivers Utinga and Bitá, used by the unit, as well as the Ipojuca River. Industrial effluent and sanitary sewage are sent for treatment at a station of its own Effluent Treatment Plant (ETE). After treatment, the effluent is discarded in stream Algodoais located approximately one hundred meters north of property.

The audit was conducted onsite from 02nd to 04th October 2023.

The onsite site visit included the assessment of water source point, plant's Water Treatment Station (ETA), waste water treatment plant (ETE) and output point, production area (formulation, packaging), laboratories, warehouse/deposit, refectory.

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FINDINGS

NUMBER OF FINDINGS PER LEVEL

Observation	7
Minor	7
Major	1

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FINDING DETAILS

Finding No: TNR-006220
Checklist Item No: 1.2.1
Status: For information
Finding level: Observation
Due date: 2024-Nov-28
Checklist item: 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.

Findings: The site contains an engagement strategy that does not fully reflect practice. Example: for the Basin Committee, the strategy determined as "dialogue", in practice the site dialogues, engages and raises awareness within the committee.

Finding No: TNR-006221
Checklist Item No: 1.2.2
Status: For information
Finding level: Observation
Due date: 2024-Nov-28
Checklist item: 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.

Findings: Solar SUAPE contains an engagement strategy that does not fully reflect practice. Example: for the Basin Committee, the strategy determined as "dialogue", in practice the site "dialogues, engages and raises awareness" within the committee.

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Finding No:	TNR-006222
Checklist Item No:	1.3.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-28
Checklist item:	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped
Findings:	Rainwater was not mapped in the water balance.
Corrective action:	Realizar balanço hídrico da unidade incluindo a água da chuva.
Finding No:	TNR-006223
Checklist Item No:	1.3.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-28
Checklist item:	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.
Findings:	The water balance does not consider rainwater (rainwater)
Corrective action:	Realizar balanço hídrico da unidade incluindo a água da chuva.
Finding No:	TNR-006231
Checklist Item No:	1.3.6
Status:	For information
Finding level:	Observation
Due date:	2024-Nov-28
Checklist item:	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.
Findings:	The company has an area without construction, which could be IWRA, but it is not defined whether it will remain that way or whether there is any future expansion planned.

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Finding No: TNR-006232
Checklist Item No: 1.4.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2024-Nov-28
Checklist item: The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.
Findings: The quantity of embedded water use of primary inputs isn't identified.
Corrective action: Atualizar a planilha Uso Indireto de Água incluindo todos os fornecedores de insumos primários localizados dentro da mesma bacia da unidade.

Finding No: TNR-006233
Checklist Item No: 1.4.2
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2024-Nov-15
Checklist item: The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.
Findings: The quantity of embedded water use of outsourced service isn't identified.
Corrective action: Atualizar a planilha Uso Indireto de Água incluindo todos os prestadores de serviços localizados dentro da mesma bacia da unidade.

Finding No: TNR-006235
Checklist Item No: 1.6.2
Status: For information
Finding level: Observation
Due date: 2024-Nov-28
Checklist item: Initiatives to address shared water challenges shall be identified.
Findings: There are other initiatives in the basin carried out by entities not directly related to water supply and sewage, such as the Porto de Suape initiative with the mapping of springs, which are not indicated in the spreadsheet "1.6.1_e_1.6.2_Desafios Compartilhados_SUA".

Finding No: TNR-006236
Checklist Item No: 1.7.1
Status: For information
Finding level: Observation
Due date: 2024-Nov-28
Checklist item: 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.
Findings: Costs of Man Hours of own employees were not estimated.

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Finding No:	TNR-006237
Checklist Item No:	1.7.2
Status:	For information
Finding level:	Observation
Due date:	2024-Nov-28
Checklist item:	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.
Findings:	Costs of Man Hours of own employees were not estimated.
Finding No:	TNR-006238
Checklist Item No:	2.1.1
Status:	Closed
Finding level:	Major
Due date:	2025-Feb-15
Checklist item:	A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments: <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.
Findings:	A signed and publicly disclosed site statement or organizational document was not identified.
Corrective action:	Elaborar, assinar e publicar no site da Solar a Carta de Compromisso contemplando os requisitos do Padrão AWS.
Evidence of implementation:	Nossa carta compromisso foi publicada no site da solar no seguinte endereço: https://www.solarbr.com.br/noticia/7367/solar-coca-cola-firma-carta-de-compromisso-com-alliance-for-water-stewardship . Em anexo também temos o arquivo anexado na publicação, devidamente assinado e disponível para todo o público. Nossa carta inclui todos os compromissos solicitados no item 2.1.1 do Padrão AWS.

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Finding No: TNR-006239
Checklist Item No: 2.3.2
Status: For information
Finding level: Observation
Due date: 2024-Nov-28
Checklist item: 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.

Findings: Man-hour costs for own employees were not estimated). Although the text of the objectives addresses AWS outcomes, the link between the objective and which AWS outcome it is addressed to is not explicit.

Finding No: TNR-006250
Checklist Item No: 5.1.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2024-Nov-28
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: There is still no external disclosure related to governance, external communication of responsibilities is not carried out.

Corrective action:

1. Criar Plano de Comunicação que inclua as responsabilidades locais da gestão hídrica.
2. Divulgar às partes interessadas as responsabilidades internas da gestão hídrica.

Finding No: TNR-006251
Checklist Item No: 5.2.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2024-Nov-28
Checklist item: The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.

Findings: External The water management plan has not yet been communicated to all relevant stakeholders.

Corrective action: Comunicar o Plano de Gestão da Água às partes interessadas relevantes à unidade.

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Finding No:	TNR-006252
Checklist Item No:	5.4.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-28
Checklist item:	The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.
Findings:	Challenges and efforts to address water challenges have not yet been communicated to all relevant stakeholders
Corrective action:	Comunicar às partes interessadas os desafios internos relacionados à água e os esforços para resolução dos desafios.

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Report Details

Report	Value
Report prepared by	Carla Oberdiek
Report approved by	Juan Carlos Ceron
Report approved on (Date)	28-11-2023

Surveillance

Proposed date for next audit
2024-Sep-23

Stakeholder Announcements

Date of publication	Location
22/08/2023	www.solarbr.com.br
02/08/2023	publishing the stakeholder announcement on the AWS and WSAS pages
Comment	The company published its own website for the external public on 08/22/2023 (https://www.solarbr.com.br/noticia/7051/solar-busca-certificacao-inicial-da-alianca-para-a-gestao-sustainable-water-aws).

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Catchment Information

Catchment Information

The Norsa Suape is located in the catchment UP 04 – Metropolitana Sul. UP 04 covers an area of 1,264.91 km² and has a population of approximately 1,634,578 inhabitants, which makes it characterize it as the second most populous UP in the state of Pernambuco. Surface water availability equivalent to an average flow of 27.29 m³/s and underground water availability of 0.5 m³/s. The main ones water consumers in the target area correspond to urban supply, followed by thermoelectric plants and use industrial. Land use in the region is marked by the predominance of agriculture and pasture, as well as formations vegetables. The UP 04 – Metropolitana Sul has an average annual rainfall of 814.0 mm and evapotranspiration average of 738.5 mm. The target area presents great variability in precipitation and intra- and inter-annual evapotranspiration. The volume of water lost by evapotranspiration (output) is close to or exceeds the volume of precipitation (input), indicating a negative balance in the years 2001, 2007, 2014, 2016 and 2018.

Surface Water Resources:

According to the ANA (National Water and Sanitation Agency), planning unit 04 is located in the Eastern Northeast Atlantic Basin, in Sub-basin 39 (Coastal Basins of Pernambuco and Alagoas). This region includes water bodies located in the stretch between the mouth of the Paraíba River and the mouth of the São Francisco River that drain into the Ocean Atlantic. Basin 39 is between the south parallels 7°15' and 10°30', and the meridians of west longitude 34°50' and 37°00'. It occupies a total surface of 45,000 km², of which 66% belong to the state of Pernambuco, 31% to Alagoas and 3% to Paraíba. UP 04 – Metropolitana Sul has the largest surface water availability in the state of Pernambuco, which corresponds to 27.29 m³/s.

PERH-PE describes the main water users in UP 04 as being (1) Urban Supply (6.04 m³/s), (2) Thermoelectric plants (3.29 m³/s), (3) Industrial Use (1.28 m³/s) and (4) Irrigation (0.23 m³/s). Aquaculture, Mining, Animal husbandry and Human Consumption are the consumption classes that have the lowest representativeness in the total consumption of surface and underground water in the target area. The quantitative water balance (surface and underground) carried out in updating the PERH-PE (2020), pointed out a deficit of 51.3%, since demand corresponds to 10.92 m³/s and the flow of service at 5.31 m³/s. The average IQA values, for the period from 2016 to 2019, indicate that the surface water in the target area has good or acceptable.

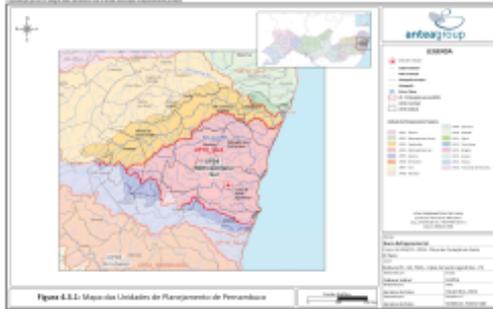
Underground Water Resources:

In UP 04, land formed by granitoid rocks predominates. The rocks sedimentary sediments are represented mainly by constituent units of the Basin from Pernambuco. The aquifer units in the target area (UP 04) were divided into classes. Granular class 4 corresponds to surface aquifers (alluvial and aeolian), Barreiras, Beberibe, Marizal, Mauriti and Missão Velha, which have productivity generally low, but locally moderate. Granular 5 refers to the units aquifers Algodão, Aliança, Barreiras, Cabo, Candeias/Ilhas, Exu, Mauriti, São Sebastião and Coastal Aquifer, which have low productivity. The Fractured class 5 includes fractured crystalline aquifers that also have productivity low. Karstic class 6 is represented by the carbonate aquifers Estiva, Gramame, Santana, low productive or non-aquiferous units. The quantitative water balance carried out in the PERH-PE update (2020) showed a deficit of 51.3%, since the demand corresponds to 10.92 m³/s and the service flow to 5.31 m³/s. Specific information on the quality of underground water resources is not available, since the Southern Metropolitan Committee did not develop the UP 04 Water Resources Plan.

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1.1.1 SUA - Figura 4.3.1 SVA - Mapa das Unidades de Planejamento de Pernambuco.jpg

Client Description and Site Details

Client/Site Background

Under the corporate name of Norsa Refrigerantes SA, the Suape unit is also referenced following the report as Solar-SUA. Norsa Suape produces Coca-Cola, Fanta, Sprite, Kuat and Schweppes soft drinks and Kapo juice. Activities began at the Solar-SUA plant in February 2012. The plant operates 24 hours a day, 7 days a week.

Solar is the result of the business combination of the companies Norsa, Renosa, Guararapes and, more recently, with Grupo Simões, with only the beverage division. Solar is the second largest manufacturer of the Coca-Cola System in Brazil, one of the 13 largest manufacturers of the Coca-Cola System in the world, one of the twenty largest companies in the Northeast and one of the largest consumer goods companies in the country. Solar has around 15 thousand employees distributed across our 13 factories and 44 Distribution Centers, in a territorial area that represents 70% of our Brazil, operating in the entire North, Northeast and State of Mato Grosso regions and part of Goiás and Tocantins. The Suape unit is one of these 13 Solar Coca-Cola units.



1.1.1 SUA - Figura 3.1.1 – Mapa de Localização da Solar Suape.jpg

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Summary of Shared Water Challenges

Summary of Shared Water Challenges

Norsa Suape mapped 3 challenges:

- 1- The balance between water availability in the target area and demands showed a water deficit of 51.3%. The water stress study methodology used in the SVA update confirms that the target area faces a water scarcity scenario.
- 2- The low rate of sanitary sewage in the target area can compromise the quality of surface water due to the release of untreated sanitary sewage into water bodies.
- 3- No Water Resources Plan was developed for UP 04 – Metropolitana Sul, defined as the target area of this study.

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.*


Yes

Comment The site sits within a single water catchment area.

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


Yes

Comment The site is managed under a single-based 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.*


Yes

Comment The site's production system and water management are homogeneous.

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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.


Yes

Comment The plant is in the South Metropolitan Hydrographic Basin (UP04), a basin that is affected by the plant and on which it depends for its supply. Supply is from an external surface source, coming from the Utinga or Bitá reservoir, guaranteed by contract with the state supply company (Compesa). The company also captures rainwater from part of the company's roofs (approximately 30% of the roof).
The plant releases its treated wastewater into the Riacho Algodóais, with a release point very close to its location (at the back of the factory).

MAPs:

- Site boundaries: Evidences: map
"1.1.1_SUA_-Figura_3.1.1_-_Mapa_de_Localização_da_Solar_Suape"
- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization: effluent hydraulic piping map "Suape planta hidráulica"; Fluxograma ETA, Anexo 2 – Mapas das Instalações Hidráulicas da Solar-SUA of SVA.
- Any water sources providing water to the site that are owned or managed by the site or its parent organization: There is no rainwater pipe plan
- Water service provider (if applicable) and its ultimate water source: doc called "1.1.1_SUA_-Figura_3.2.1_-_Mapa_de_Localização_dos_Pontos_de_Captação_da_Solar".
- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies: doc called "1.1.1_SUA_-Figura_3.2.2_-_Mapa_de_Localização_da_ETE_e_Ponto_de_Descarte"; Fluxograma ETE.
- Catchment(s) that the site affect(s) and is reliant upon for water: doc called 1.1.1 SUA - Figura 4.3.1 SVA - Mapa das Unidades de Planejamento de Pernambuco

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

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1.2.1	<p><i>Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:</i></p> <ul style="list-style-type: none"> - 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. 	 Obs.
Comment	<p>The stakeholder mapping, as well as the engagement strategy, can be consulted in the Stakeholder Engagement Plan. Regarding the inclusion of vulnerable people (here considered indigenous or quilombolas), a survey carried out by an external consultancy did not identify the presence of these communities in the catchment area. Stakeholders are defined according to corporate document guidelines (SOL-PN-MAB-MA-05 - Water Resources Management, currently in revision 04).</p> <p>Solar Maceio contains an engagement strategy that does not fully reflect practice. Example: for the Basin Committee, the strategy determined as "dialogue", in practice the site "dialogues, engages and raises awareness" within the committee.</p> <p>Evidence: Powerpoint:1.2.1 Resumo de engajamento Suape; 1.2.1_SUA_-_Plano_de_Engajamento_de_Partес_Interestadas_em_Água_SUAPE_2023; 1.2.1_SUA_-_SOL-PN-MAB-MA-05R04_Gerenciamento_de_Recursos_Hídricos; 1.2.1_SUA_-_Povos_vulneráveis.</p>	
1.2.2	<p><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></p>	 Obs.
Comment	<p>The Site identified the current and potential degree of influence between site and stakeholder and represented through a matrix that relates influence and interest of stakeholders. The influence strategy for each stakeholder is defined in the Stakeholder Engagement Plan.</p> <p>Example: parte interessada: Porto de Suape - Administrativo e Gestão; categoria: clientes/consumidores; parte interessada é reguladora? Não; escopo geográfico: municipal; nome e dados de contato; Missão/Objetivos da Parte Interessada em relação à água: Gestão de recursos hídricos; Importância da Parte Interessada para a unidade quanto à água: média; Percepção da Parte Interessada sobre o Cliente: Positiva; Interesse da Parte Interessada em Água: alto; Influência da Parte Interessada em Água: baixa; prioridade da parte interessada: P3; estratégia: dialogar; Detalhamento da tática de engajamento: Importância da Gestão dos Recursos Hídricos; Ferramentas de comunicação adotada: palestra; Frequência de comunicação: anual; responsável: Ana Paula.</p> <p>Solar Maceio contains an engagement strategy that does not fully reflect practice. Example: for the Basin Committee, the strategy determined as "dialogue", in practice the site "dialogues, engages and raises awareness" within the committee.</p> <p>Evidences: 1.2.1_SUA_-_Plano_de_Engajamento_de_Partес_Interestadas_em_Água_SUAPE_2023</p>	
1.3	<p><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></p>	
1.3.1	<p><i>Existing water-related incident response plans shall be identified.</i></p>	 Yes

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Comment The company has incident response Plans that show the level of contingency with actions and responsibilities to act in case of a water-related incident and this is adequate to Solar Suape context. In each area there is an environmental kit with material to contain leaks. Solar Suape has identified the following response plans for water-related events in its Emergency Response Plan (PAE):

- * Fire in the plant area;
- * Fires in the plant's external vegetation;
- * Explosion;
- * Leakage of chemical products in general (forklift lubricant oil leak, nitrogen leak, transformer oil leak, fuel leak);
- * Leakage of LPG and natural gas chemicals;
- * Emergencies with radioactive sources;
- * Emergency with accident in the aeration lagoon;
- * Tipping of cargo/waste bales;
- * Rupture in the ETE (Effluent Treatment Station) tank;
- * Water crisis or water without the possibility of treatment (Bita and Utinga Dams);
- * Crisis in water quality in the municipal supply system Water Municipality = Post-Mix;
- * Emergency scenarios related to food defense ("food defense") and food fraud ("food fraud")

- although not exclusively related to water, they can represent impacts on water (e.g.: intentional contaminations, greater volume of effluents for dumping illegitimate material, etc.).

Evidence: 1.3.1_SUA_-_Plano_de_Atendimento_a_Emergências

1.3.2 *Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped* 👉
in progress

Comment The unit had its water balance carried out by a specialized third-party company on 11/02/2020, including the flowchart (with water flows), water balance (with measured values) and the water simulator. The water balance does not consider rainwater (rainwater).

- inputs: raw water consumption (for manufacturing consumption (soft drinks, BIB), Kapo line consumption, returnable line consumption, administrative consumption (drinking water for bathrooms, hand washing and cafeteria)).
- outputs: fabrication, rinser, Kapo and returnable.

Evidence: "1.3.2_SUA_-_Simulador_Hídrico_-_Suape" de 02/11/2020;
1.3.2_SUA_-_Fluxograma_Hídrico_-_Grupo_Solar_-_Suape;
1.3.2_SUA_-_Balanço_Hídrico_-_Grupo_Solar_-_Suape.

Finding No: TNR-006222

1.3.3 *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.* 👉
in progress

Comment The site prepared a Water Balance with information about quantification of inflows, losses, storage, and outflows, including indication of annual variance in water usage rates. The water stress study methodology used in the SVA update confirms that the target area faces a water scarcity scenario. The water balance does not consider rainwater (rainwater). The unit tracks the plant's total water consumption history (in liters) and the water consumption indicator (WUR - "Water Use Ratio"), as well as the limits indicated in your supply contract.

Evidence:
- "1.3.2_SUA_-_Simulador_Hídrico_-_Suape" de 02/11/2020;
- 1.3.2_SUA_-_Fluxograma_Hídrico_-_Grupo_Solar_-_Suape;
- 1.3.2_SUA_-_Balanço_Hídrico_-_Grupo_Solar_-_Suape;
- FLUXOGRAMA ETA and Fluxograma ETE;
- 1.3.3_SUA_-_Consumo_de_Água_e_WUR.

Finding No: TNR-006223

Audit Number: AO-000721

- 1.3.4** *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.* ✔
Yes

Comment The company monitors the water quality of site's water source and effluent. The company also analyse the Water quality of receiving water bodies. To assess the quality of raw surface water, the unit performs chemical analyzes internal and external. Internal analyzes are carried out to adapt the treatment and external analyzes are carried out annually by laboratories certificates. Raw water samples are collected at the Utinga Dam, Barragem Bitá, in the raw water intake and in rainwater. The results of external analyzes are compared to the maximum limits established by Requirement BR-BP-SP-184.1, as well as the potability standard currently established by Ordinance GM/MS nº 888 of May 4, 2021. According to information provided by the unit, raw water and the quality of treated water does not present quality problems that impact the supply of the company's activities factory.

Solar-Suape's Water Treatment Station (ETA) has a maximum capacity of 144,000 m³/month. Considering the month with the highest consumption volume (January 2020 – 73,514 m³), it is possible to conclude that the ETA has a treatment capacity greater than demand. Solar-Suape's Effluent Treatment Station (ETE) has a maximum capacity of 57,600 m³/month. Considering the month with the highest volume of effluents generated (June 2016 – 36.62 m³), it is possible to conclude that the ETA has a treatment capacity much higher than demand. The unit reported that no event was recorded in which the quality of the effluent treated by Solar-SUA has negatively affected the water body receiver.

Evidences:

- Cópia não controlada - SUA-PC-GQA-AQ-01R10_Plano_de_Monitoramento_da_Qualidade_Estação_de_Tratamento_de_Água_
- Monitoramento Interno ETE,
- planilha padrão de captação de água superficial (Treated and Raw Water Analytical Monitoring Program)
- Raw and treated water reports – last quarter:
 - 02 - Tab 4 T - 309327 (UV output - February 2023)
 - 02 - Tab1 T - 375567 (UV output - February 2023)
 - 03 - Tab 4 B - 309327 (Raw water input)
 - 03 - Tab2 B - 375566 (Raw water input)
 - 08 - Tab2 T 375566 (UV output - August 2023)
- upstream and downstream surface water – last quarter :
 - 06- Montate e Jusante- 300996 (upstream and downstream surface water -June 2023)
 - 07- Montate e Jusante - 300996 (upstream and downstream surface water - July 2023)
 - 08- Montate e Jusante - 300996 (upstream and downstream surface water - August 2023)
- Effluent – last quarter:
 - 06- Bruto e Tratado - 308483 (Treated Effluent -June 2023)
 - 07- Bruto e Tratado - 308483 (treated effluent July 2023)
 - 08 - Bruto e Tratado - 308483 (treated effluent August 2023)
- Spreadsheet for quality of raw and treated effluent of Industrial Effluent: "Trimestre CPRH-2023".

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

Comment The company mapped the current and potential pollution sources with deep detail.

Evidence:

- Registration of Chemical Products: Cadastro de Produtos Químicos Rev03
- Environmental Location Map with potential pollution points: Mapa de Localização Ambiental 2023 (version 1)
- Declaration of polluting load (legal requirement):
Declaração_de_Carga_Poluidora_-_Referência_2022

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- 1.3.6** *On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.* 🔍
Obs.
- Comment: The site identified and mapped on-site Important Water-Related Areas and also on the catchment: Algodoais stream and Lagoon with its Permanent Preservation Areas. The site analysed their status.
The company has an area without construction, which could be IWRA, but it is not defined whether it will remain that way or whether there is any future expansion planned.
- Evidence:
- Levantamento_de_AIRAS_na_Unidade_(On_Site)
- Figure 4 – Permanent Preservation Areas (APP) within the limits of SOLAR-Suape and chapter 5. General Characterization of Permanent Preservation Areas at: RT MOTIR-ON 2020-08-09 (Diagnóstico APP Solar-Suape).
- 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 site identified the costs (period of January-August - 2023) and the site has a description of social and cultural values, environmental water-related value generated by the site (at spreadsheet "1.8.1a1.8.5. BP - Boas Práticas SUA"). The site presented:
- Incoming water cost (municipal water at "1.3.3_SUA_-_Contrato_Compesa").
- The cost related to operation and maintenance of the ETA and ETE.
- analysis of water
- The cost of drinking water bottles.
- payment for projects related to water (doc: 1.8.1a1.8.5. BP - Boas Práticas SUA) ,
- stakeholder engagement and associated activities costs,
- costs with hours worked by employees in water-related actions.
- certification costs
- Evidence: CUSTOS ETA ETE SGI; 1.8.1a1.8.5. BP - Boas Práticas SUA; 1.3.3_SUA_-_Contrato_Compesa.
- 1.3.8** *Levels of access and adequacy of WASH at the site shall be identified.* ✅
Yes

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Comment The site identified the level of access and adequacy of WASH. The site has 664 people, 17 WC facilities. The site attends and exceeds the minimum number of WC facilities on the national requirement, NR24, about minimal quantities of sanitary facilities. The site monitor the quality of drink water. The Solar Suape has ISO 45001 and ISO 22000 certificate.
Licenses:
Factory health license valid until 07/25/2024.
Cafeteria health license valid until 12/02/20223
Outpatient health license valid until 11/16/2023

Evidences:

- excel - 1.3.8_Banheiros_unidade_SCS.
- Excel - 3.4.1 - Quality Water Monitoring.
- 1.3.8 - Levantamento de WCs NR24
- GALÃO DE AGUA MINERAL - Analise microbiologica Vidda setembro 2023
- GALÃO DE AGUA MINERAL - Lamin Vidda 2023
- Mapa de Localização Ambiental 2023 (version 1) (which has points with bathrooms and drinking fountains),
- Licença Sanitária Refeitório_02.12.23
- 1.3.8_SUA_-_Certificado_ISO_45001_VAL.Novembro.2023
- 1.3.8_SUA_-_Certificado_FSSC_22000_VAL.Setembro.2025
- 1.3.8_SUA_-_ALV_SANITÁRIO_AMBULATÓRIO_2023_11_16
- 1.3.8_SUA_-_ALV_SANITÁRIO_GERAL_2024_07_25
- 1.3.8_SUA_-_ALV_SANITÁRIO_REFEITÓRIO_2023_12_02
- 1.3.8_SUA_-_Certificado_ISO_45001_VAL.Novembro.2023
- 1.3.8_SUA_-_Certificado_FSSC_22000_VAL.Setembro.2025

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.* 🚩 in progress

Comment The site identified the embedded water use of primary inputs (46 suppliers), including quality and level of water risk within the site's catchment. The quantity isn't identified. All the suppliers of juice and concentrate are out of the catchment.

Evidence: 1.4.11.4.2 SUA - Uso Indireto de Água

Finding No: TNR-006232

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

Comment The site identified the embedded water use of outsourced services (26 service providers), including quality and level of water risk within the site's catchment. The quantity isn't identified.

Evidence: 1.4.11.4.2 SUA - Uso Indireto de Água

Finding No: TNR-006233

1.5 *Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH*

1.5.1 *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.* ✅ Yes

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Comment	Norsa Suape presented an Opportunities Spreadsheet, which lists the governance initiatives and the stakeholders involved. Evidence: 1.5.1_&_1.7.2_SUA_-_Oportunidades (1)													
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	<p>The unit controls its compliance with environmental legal requirements and obligations (which includes water), occupational health and safety, food safety and quality via the SOGI electronic system (Ambipar/Green Tech company). Once a year, an audit is carried out by the same contracted company, to assess compliance with legal requirements and the quality of the evidence presented. Furthermore, in the last vulnerability assessment of water sources, carried out in 2021, the applicable legislation was listed in item 5.3 of the report.</p> <p>Evidence:</p> <p>- Relatório_ACL_MA_SSO_QL_SA_2023_-_Norsa_Refrigerantes_-_Cabo_de_Santo_Agostinho_-_PE - Cópia não controlada - SOL-PN-SGI-SG-08R06 Gerenciamento de Requisitos Legais e Outros Requisitos</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>	 Yes												
Comment	<p>The hydrogeological conceptual model will be carried out for the Planning Unit 04 – Metropolitana Sul, which has an area of 1,264.91 km². Due to the characteristics of the aquifer present in the basin, it is understood that recharge occurs directly, through the percolation of rainwater in outcrops that occur in the region and through water saturation in the soil and water percolation infrastructures arranged below this layer.</p> <p>The UP 04 presents an average annual rainfall of 814.0 mm in the basin's territory. Considering the average annual precipitation and the total area of the basin, the volume of renewable water resources corresponds to 1,030 million m³. It is understood that the volume of water that is not lost through evapotranspiration or directly to surface runoff (which will directly supply the basin's water bodies), effectively becomes the recharge flow of the underground aquifer.</p> <p>The average annual evapotranspiration of UP 04 is 738.5 mm. With the support of this data, they calculate the annual evapotranspiration volume of 934 million m³. PERH-PE defines the volume of water consumed annually in UP 04 as being equal to 72 million m³.</p> <p>Based on available data, the water balance (ΔS) of the target area (ΔS) is calculated using the following equation: $\Delta S = P - (Et + Q_{sw} + Q_{gw} + C)$.</p> <p>The results of the Water Balance Calculation of the Target Area (UP 04) UP 04 – Metropolitana Sul are as follows:</p> <table border="0" style="width: 100%;"> <tr> <td>Precipitation (P) =</td> <td style="text-align: right;">1,030 million m³</td> </tr> <tr> <td>Evapotranspiration (Et)=</td> <td style="text-align: right;">934 million m³</td> </tr> <tr> <td>Surface water flow out of the basin (Q_{sw}) =</td> <td style="text-align: right;">-</td> </tr> <tr> <td>Groundwater Flow (Q_{gw})=</td> <td style="text-align: right;">-</td> </tr> <tr> <td>Water consumption uses (C)=</td> <td style="text-align: right;">72 million m³</td> </tr> <tr> <td>Water Balance (ΔS)=</td> <td style="text-align: right;">24 million m³</td> </tr> </table> <p>The water stress study methodology used in the SVA update confirms that the target area faces a water scarcity scenario.</p> <p>Evidence: Relatório - SVA Solar-SUA 2021 - com assinatura</p>	Precipitation (P) =	1,030 million m ³	Evapotranspiration (Et)=	934 million m ³	Surface water flow out of the basin (Q _{sw}) =	-	Groundwater Flow (Q _{gw})=	-	Water consumption uses (C)=	72 million m ³	Water Balance (ΔS)=	24 million m ³	
Precipitation (P) =	1,030 million m ³													
Evapotranspiration (Et)=	934 million m ³													
Surface water flow out of the basin (Q _{sw}) =	-													
Groundwater Flow (Q _{gw})=	-													
Water consumption uses (C)=	72 million m ³													
Water Balance (ΔS)=	24 million m ³													

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- 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 main source of external contamination of surface waters corresponds to discharge of untreated sewage into water bodies. According to data presented in PERH-PE (2020) only 28% of the sanitary sewage generated in the target area is collected and treated. The low rate of sanitary sewage in the target area can compromise the quality of surface water due to the release of untreated sanitary sewage into water bodies.

Figure 4.3.4 of the SVA contains the map of average AQI values for the period from 2016 to 2019, which indicates that the surface water in the target area has good or acceptable quality.

Evidence: Relatório - SVA Solar-SUA 2021 - com assinatura; Figure 4.3.4 of SVA.

- 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.* ✔
Yes

Comment The unit has mapped the important areas related to water in the catchment area.

In the SVA it is described that UP 04 - Metropolitana Sul has 23 Conservation Units:
Full Protection

- ESEC de Bitá e Utinga;
- PE Mata de Duas Lagoas;
- PE Mata do Zumbi;
- RVS Mata da Serra do Cotovelo;
- RVS Mata de Caraúna;
- RVS Mata de Contra Açude;
- RVS Mata de Mussaíba
- RVS Mata do Bom Jardim;
- RVS Mata do Cumaru;
- RVS Mata do Curado;
- RVS Mata do Engenho Moreninho;
- RVS Mata do Engenho Salgadinho;
- RVS Mata do Engenho Uchôa;
- RVS Mata do São João da Várzea;
- RVS Mata do Sistema Gurjaú;
- RVS Mata do Urucu.

Unidade de Uso Sustentável

- APA Engenho Jardim;
- APA Estuário dos Rios Jaboatão e Pirapama;
- ARIE Ipojuca-Merepe;
- FURB Mata de Camaçari;
- FURB Mata de Jangadinha;
- FURB Mata de Manassú;
- RPPN Fazenda Santa Beatriz do Carnijó.

The location of these conservation units can be seen in Figure 4.4.2. of the SVA.

In the Chapter 1.6 VEGETAÇÃO E ÁREAS PROTEGIDAS of PHA DIAG. MEIO FISICO 2023 are mapped the IWRAs of the catchment.

Evidence: Levantamento de AIRAS Fora da Unidade (Off Site) - SUA; SVA Suape, Figure 4.4.2. of the SVA; PHA DIAG. MEIO FISICO 2023

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

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Comment Existing and planned water-related infrastructure is mapped through the Spreadsheet 1.5.6_Infraestrutura_Hídrica_na_Área_Alvo_SUA.

Evidence: 1.5.6_Infraestrutura_Hídrica_na_Área_Alvo_SUA

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



Comment Target Area Water Supply Indicators (UP 04):

Urban Service Index= 85.8%
Rural Service Index= 0.2%
Total Service Index= 83.0%
Loss Index= 64.8%
Micromasurement Index= 83.5%
Macromasurement Index= 95.3%

Sanitary Sewage Indicators of the Target Area (UP 04):

Urban Service Index= 29.1%
Rural Service Index= 0%
Total Service Index= 28.16%
Collected Sewage Treatment Index= 99.84%

Evidence: Relatório - SVA Solar-SUA 2021 - com assinatura

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.*



Comment Shared water challenges were identified/mapped through the spreadsheet "1.6.1_e_1.6.2_Desafios_Compartilhados_SUA". The vulnerability risk is determined in the standard WMP Spreadsheet in accordance with the criteria defined by Coca-Cola Brasil. Mapped 3 challenges:

- 1- The balance between water availability in the target area and demands showed a water deficit of 51.3%. The water stress study methodology used in the SVA update confirms that the target area faces a water scarcity scenario.
- 2- The low rate of sanitary sewage in the target area can compromise the quality of surface water due to the release of untreated sanitary sewage into water bodies.
- 3- No Water Resources Plan was developed for UP 04 – Metropolitana Sul, defined as the target area of this study.

Evidence:

1.6.1_e_1.6.2_Desafios_Compartilhados_SUA
APRESENTAÇÃO WMP Solar-SUA 2021

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



Comment Initiatives to address shared water challenges were identified through the spreadsheet "1.6.1_e_1.6.2_Desafios_Compartilhados_SUA". The site identified the most relevant initiatives to address shared challenges. The spreadsheet could be complemented with private/non-governmental initiatives.

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.*

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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.* 🔍
Obs.

Comment The water risks that the site faces were mapped in the spreadsheet "1.7.1_Riscos_Hídricos_SUA". The risks are evaluated, prioritized, including likelihood and severity of impact. The site also identify the business impact and evaluate the level of impact. Potential costs are evaluated within the scaled impact criteria as follows:
- small losses that can be absorbed without affecting the company's results,
-small losses that can be absorbed, but with an effect on the company's results,
- notable losses, which can be absorbed, but have an effect on the company's results,
- significant losses, which can be absorbed, but have a major effect on the company's results,
- significant losses, which cannot be absorbed.

Costs of Man Hours of own employees were not estimated.

Examples of mapped risks:

- The low rate of sanitary sewage in the target area may compromise the quality of surface water due to the release of untreated sanitary sewage into water bodies.
- A water scarcity scenario brings risks associated with competition for water resources with other users.

Evidence: 1.7.1_Riscos_Hídricos_SUA

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

Comment Water-related opportunities is identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.
Costs of Man Hours of own employees were not estimated.

Examples of mapped opportunities:

- Water replacement (Solar and Coca-Cola Brazil initiative);
- Preparation of the Hydroenvironmental Plan for Planning Unit 04 - Metropolitana Sul.

Planilha Oportunidades "1.5.1_&_1.7.2_SUA_-_Oportunidades"

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.* ✅
Yes

Comment Good practices in the beverage sector are in tab 2 of the spreadsheet "Anexo 1 Ferramenta de Autoavaliação de Eficiência Hídrica SUA 2022". Before the pandemic, there was an environmental FIEP meeting where good practices were presented.
Also as a source of good practices was the meeting of basin committees (Solar Suape participates in the GL2 River Basin Committee).

Examples of mapped good practices:

- level of maturity in management commitment,
- level of maturity in roles and responsibilities

Evidence:

- Anexo 1 Ferramenta de Autoavaliação de Eficiência Hídrica SUA 2022 (4 Práticas de Sucesso).
- 1.8.1a1.8.5. & 4.1.3 BP - Boas Práticas SUA

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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>Good practices in the beverage sector are in tab 4 of the spreadsheet "Anexo 1 Ferramenta de Autoavaliação de Eficiência Hídrica SUA 2022".</p> <p>Examples of mapped good practices:</p> <ul style="list-style-type: none">- Optimization of Filter Backwash Water- On-site reuse of treated effluent <p>idem 1.8.1 1.8.1a1.8.5. & 4.1.3 BP - Boas Práticas SUA</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>Examples of sector good practices that Solar Suape mapped:</p> <ul style="list-style-type: none">- Monitoring of basins and quality of water sources through the Participation of the GL2 River Basin Committee- Raising employee awareness through the use of an internal newspaper <p>Evidence: 1.8.1a1.8.5. & 4.1.3 BP - Boas Práticas SUA</p>	
1.8.4	<i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i>	 Yes
Comment	<p>Examples of sector good practices that Solar Suape mapped:</p> <ul style="list-style-type: none">- Reduction of water consumption from springs through the collection and use of rainwater;- Raising employee awareness through the use of an internal newspaper <p>Evidence: 1.8.1a1.8.5. & 4.1.3 BP - Boas Práticas SUA</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
Comment	<ul style="list-style-type: none">- voluntary Food Safety System Certification FSSC 22000- Raising employee awareness through the use of an internal newspaper <p>Evidence: 1.8.1a1.8.5. & 4.1.3 BP - Boas Práticas SUA; 1.3.8_SUA_-_Certificado_FSSC_22000_VAL.Setembro.2025</p>	

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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	<p><i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i></p> <ul style="list-style-type: none"> - <i>That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</i> - <i>That the site implementation will be aligned to and in support of existing catchment sustainability plans</i> - <i>That the site's stakeholders will be engaged in an open and transparent way</i> - <i>That the site will allocate resources to implement the Standard.</i> 	 No
Comment	<p>The unit's commitment to the AWS objectives and its actions were discussed as an agenda at the board meeting of the Hydrographic Basin Committee - GL2 and will be on the agenda of the 3rd Ordinary Meeting of the COBH which is scheduled for 10/24/2023, as described in the attached notice. It is worth noting that all parties interested in the topic, as well as all regulatory bodies, make up the committee.</p> <p>A signed and publicly disclosed site statement or organizational document was not identified.</p> <p>Evidence: 3_a_CONVOCAÇÃO_ORDINÁRIA_COBH__2023_REMOTA</p> <p style="text-align: right;">Finding No: TNR-006238</p>	
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>	
2.2.1	<p><i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i></p> <ul style="list-style-type: none"> - <i>Identification of responsible persons/positions within facility organizational structure</i> - <i>Process for submissions to regulatory agencies.</i> 	 Yes

Audit Number: AO-000721

Comment The unit has a Water Resources Management Team (EGRH), defined in corporate procedure SOL-PN-MAB-MA-05 - Water Resources Management (revision 04), including responsibility for ensuring compliance with legal requirements (see Table 1 of item 5.7 - page 4 of the attached procedure).
Evidence of legal service and evaluation of this service have already been presented in indicator 1.5.2. Furthermore, within the SOGI application there is a system that sends alerts to those responsible to start the license renewal process. The procedure SOL-PN-SGI-SG-08 Management of Legal and Other Requirements has the objective of monitor and ensure compliance with environmental legislation, health and safety at work, quality and safety of food, applicable to Solar Bebidas business. Legal Requirements Audit Report carried out by Verde Ghaia, evaluating the unit's requirements:
Relatório_ACL_MA_SSO_QL_SA_2023_-_Norsa_Refrigerantes_-_Cabo_de_Santo_Agostinho_-_PE

Evidence:

- 1.2.1_SUA_-_SOL-PN-MAB-MA-05 R04_Gerenciamento_de_Recursos_Hídricos
- Cópia não controlada - SOL-PN-SGI-SG-08R06 Gerenciamento de Requisitos Legais e Outros Requisitos

Relatório_ACL_MA_SSO_QL_SA_2023_-_Norsa_Refrigerantes_-_Cabo_de_Santo_Agostinho_-_PE

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.*



Yes

Comment The vision and mission at the site level is approved at minutes of the meeting of 09/22/23 EGRH meeting.

Goals are at "Farol PGI 2023". Objectives: reduce water consumption per liter of beverage produced, reduce the generation of effluents, comply with KORE requirements for the release of effluents (more restrictive than Brazilian legislation).

Key organizational objectives regarding sustainable water management in line with the AWS standard are detailed in the company's 2022 Sustainability Report (from page 39 onwards). The sustainability report can be publicly consulted at: <https://www.solarbr.com.br/sustainability/home>. The Coca-Cola Maceio Solar unit, as part of the Coca-Cola System, aligns with the sustainability guidelines defined by The Coca-Cola Company. In The Coca-Cola Company's latest business and sustainability report (available at <https://www.coca-colacompany.com/reports/business-and-sustainability-report>), water leadership is listed as one of the company's priorities. sustainability of the System. This strategy, detailed in the report, covers priority actions in operations, river basins and communities. On page 25 the vision is described: Vision: Our 2030 Water Security Strategy is focused on accelerating the actions needed to increase water security where we operate, source ingredients and touch people's lives. We do that by contributing toward sustainable, clean water access that improves livelihoods and wellbeing while protecting against water-related disasters. We also work to preserve nature and biodiversity as well to promote advanced water management practices.

Evidence:

- 9. Reunião EGRH Setembro 2023
- powerpoint: MISSÃO E VISÃO
- Farol PGI 2023

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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.

🔍
Obs.

Comment The site has a water stewardship plan that included 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. (with the exception of HH own employee costs were not estimated).
- Positions of persons responsible for actions and achieving targets.
- the link between target and the achievement of best practice to help address shared water challenges and the AWS outcomes. Although the text of the objectives addresses AWS outcomes, the link between the objective and which AWS outcome it is addressed to is not explicit.

Example:

AWS outcome: good water quality ; Target: Cooperate with increasing the rate of sanitary sewage in the target area, aiming to avoid compromising superficial water quality.

AWS Outcome: sustainable water balance; Target: Contribute to the relationship between water availability in the target area (Increase water reuse on the site by 5% per year)

AWS Outcome: good water governance; Target: Participate in all annual ordinary meetings of the Basin Committee.

AWS Outcome: IWRA; Target: Support and monitor water replacement projects and conservation of protected areas (mangroves) in the river basin (at spreadsheet "1.8.1a1.8.5._BP_-_Boas_Práticas_SUA)

AWS Outcome: WASH; Target: Carry out periodic self-assessment regarding WASH requirements, as part of Good Manufacturing Practices (GMP) audits and develop action plans for possible opportunities (at spreadsheet "1.8.1a1.8.5._BP_-_Boas_Práticas_SUA).

evidence: 2.3.2_SUA_-_Plano_de_Gestão_Sustentável;
1.8.1a1.8.5._BP_-_Boas_Práticas_SUA

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

Comment The water risks and the mitigation plan that the site faces were mapped in the spreadsheet "1.7.1_Riscos_Hídricos_SUA". The site has planned how to deal with external risks to the site's direct control or responsibility, and particularly the risks associated with dependence on public infrastructure. The organization has develop the plan in co-ordination with relevant public-sector and infrastructure agencies, specifically on issues involving participation in the South Metropolitan Hydrographic Basin Committee as a member with voting rights. Example: Risk: The low rate of sanitary sewage in the target area may compromise the quality of surface water due to the discharge of untreated sewage into water bodies. Mitigation actions: 1. Carry out operational control (microbiological analysis carried out daily) upon receipt of raw water. 2. Implement weekly analysis of organic load in raw water. 3. Create an agenda with COMPESA for monthly meetings to present the results of monitoring the quality of the water supplied. 4. Maintain participation in CBH Metropolitana Sul as a member with voting rights.

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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>Participation of Norsa Refrigerantes in the Basin Committee, with Ana Paula do Nascimento as president, and Elielton as alternate Participation in the Working Group to monitor the Hydroenvironmental Plan (Ana Paula do Nascimento and Elielton Alves de Albuquerque)</p> <p>Evidence: - 1.2.1 Resumo de engajamento Suape - MIN ATA ELEIÇÃO E POSSE GL2 13.08.21 - 2ª ordinária</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>	 Yes
Comment	<p>The assessment of the presence of indigenous and quilombola communities did not identify this presence, as already evidenced in the indicators relating to Stakeholders. The plant follows the abstraction grant from its water supplier, has a supply contract with clear guidelines in relation to volumes, has a declaration on the granting of effluent release and a valid and current operating license, duly respected, which shows that it only carries out water-related activities permitted by the competent body.</p> <p>EVIDENCE: Outorga_GMA_n025_2023 for Compesa - to capture water from the Utinga dam, valid for 20 years from 03/24/23. Outorga_GMA_n026_2023 for Compesa - to capture water from the Bitá dam, valid for 20 years from 03/31/23. SEI_GOVPE_-_31224808_-_GOVPE_-_Declaration - Grant for the Release of Effluents for NORSA Refrigerantes, validity 12/12/24.</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>	 Yes
Comment	<p>The entire process of identifying, verifying and evaluating compliance with legal requirements and obligations is described in the corporate procedure SOL-PN-MAB-MA-08 - Legal Requirements Management - and is carried out in an electronic system provided by a specialized company (SOGI System / Ambipar-Green Tech Company). And a compliance audit is carried out.</p> <p>Evidences: - Relatório_ACL_MA_SSO_QL_SA_2023_-_Norsa_Refrigerantes_-_Cabo_de_Santo_Agostinh o_-_PE (Legal Compliance Audit Report). - Cópia não controlada - SOL-PN-SGI-SG-08R06 Gerenciamento de Requisitos Legais e Outros Requisitos</p>	
3.2.2	<i>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.</i>	 Yes

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Comment	<p>The assessment of the presence of indigenous and quilombola communities did not identify this presence, as already evidenced in the indicators relating to interested parties. The plant follows the abstraction grant from its water supplier, has a supply contract with clear guidelines in relation to volumes, has a declaration on the granting of effluent release and a valid and current operating license, duly respected, which shows that it only carries out water-related activities permitted by the competent body.</p> <p>EVIDENCES (same as attached at 3.1.2): Outorga_GMA_n025_2023 para a Compesa - for capturing water from the Utinga dam, valid for 20 years from 03/24/23. Outorga_GMA_n026_2023 para Compesa - for capturing water from the Bitá dam, valid for 20 years from 03/31/23. SEI_GOVPE_-_31224808_-_GOVPE_-_Declaração - Outorga para Lançamento de Efluentes para NORSA Refrigerantes, validity 12/12/24.</p>
3.3	<i>Implement plan to achieve site water balance targets.</i>
3.3.1	<i>Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.</i>  Yes
Comment	<p>The Company has the goal of reducing the water consumption rate by December 2023 to the value of 1.633 liters of water per liter of beverage produced. The status is accumulated is 1.67 l/l. In August it was equal to 1.62 l/l. Evidence: Farol PGI 2023.</p>
3.3.2	<i>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.</i>  Yes
Comment	<p>The water stress study methodology used in the SVA update confirms that the target area faces a water scarcity scenario. The Company has the goal of reducing the water consumption rate by December 2023 to the value of 1.633 liters of water per liter of beverage produced. The status is accumulated is 1.67 l/l. In August it was equal to 1.62 l/l. Evidence: Farol PGI 2023.</p>
3.3.3	<i>Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.</i>  Yes
Comment	No legally-binding documentation for the re-allocation of water to social, cultural, or environmental needs.
3.4	<i>Implement plan to achieve site water quality targets</i>
3.4.1	<i>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</i>  Yes

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Comment The status regarding water quality is in the spreadsheet "08-Relatorio de acompanhamento" and refers to the quality analyzes of raw, semi-treated and treated water for the month of August 2023. with all water quality parameters monitored and with color code signaling whether it is within the target (green color), or outside the target (red color). All parameters are within the goal, which is to meet the limits of legislation.

Spreadsheet "Monitoramento Interno ETE" referring to the water quality parameters of the ETE effluent in the year 2023. All parameters are within the target, which is to meet the limits of the legislation.

Evidencias;
-08-Relatorio de acompanhamento
- Monitoramento Interno ETE

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 Spreadsheet "Monitoramento Interno ETE" referring to the water quality parameters of the ETE effluent in the year 2023 and with color coding indicating whether it is within the target (green color), or outside the target (red color). within the goal, which is to meet the limits of legislation.

Evidence: Monitoramento Interno ETE

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.* ✔
Yes

Comment The planned actions related to IWRA's on the site are recorded in the "AIRAS Survey at the Unit" file. The ongoing actions consist of mapping the scenario through the diagnosis of Permanent Preservation Areas.

Evidence: Levantamento_de_AIRAS_na_Unidade_(On_Site); RT MOTIR-ON 2020-08-09 (Diagnóstico APP Solar-Suape)

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

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Comment The site identified the level of access and adequacy of WASH. The site has 664 people, 17 WC facilities. The site attends and exceeds the minimum number of WC facilities on the national requirement, NR24, about minimal quantities of sanitary facilities. The site monitor the quality of drink water. The Solar Suape has ISO 45001 and ISO 22000 certificate.
Licenses:
Factory health license valid until 07/25/2024.
Cafeteria health license valid until 12/02/20223
Outpatient health license valid until 11/16/2023

Evidences:
- excel - 1.3.8_Banheiros_unidade_SCS.
- Excel "08 - Relatório de acompanhamento" about water quality monitoring
- 1.3.8 - Levantamento de WCs NR24
- GALÃO DE AGUA MINERAL - Analise microbiologica Vidda setembro 2023
- GALÃO DE AGUA MINERAL - Lamin Vidda 2023
- Mapa de Localização Ambiental 2023 (version 1) (which has points with bathrooms and drinking fountains),
- Licença Sanitária Refeitório_02.12.23
- 1.3.8_SUA_-_Certificado_ISO_45001_VAL.Novembro.2023
- 1.3.8_SUA_-_Certificado_FSSC_22000_VAL.Setembro.2025
- 1.3.8_SUA_-_ALV_SANITÁRIO_AMBULATÓRIO_2023_11_16
- 1.3.8_SUA_-_ALV_SANITÁRIO_GERAL_2024_07_25
- 1.3.8_SUA_-_ALV_SANITÁRIO_REFEITÓRIO_2023_12_02
- 1.3.8_SUA_-_Certificado_ISO_45001_VAL.Novembro.2023
- 1.3.8_SUA_-_Certificado_FSSC_22000_VAL.Setembro.2025

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 There are no indigenous communities in the surrounding area. The site's discharge of treated water to the riacho Algodoais is in legal compliance. No conflict with communities due the arrangement of the supply system. The public system is resilient even during the dry season.

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 goals are related to obtaining information about the indirect use of water, the planning of actions is within the deadline established in the Sustainable Water Management Plan. The company is collecting information on indirect water use from its suppliers.

Evidence:
2.3.2 & 4.1.1 & 4.1.2 SUA - Plano de Gestão Sustentável
E-mail Fornecedor Brasalpla
E-mail Fornecedor Valgroup

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 Site has evidence of requesting detailed information to their service providers. The company is collecting information on indirect water use from its suppliers.

Evidence:
E-mail Fornecedor Brasalpla
E-mail Fornecedor Valgroup

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3.8	<i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</i>	
3.8.1	<i>Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.</i>	 Yes
Comment	<p>The site don't have shared water-related infrastructure. Even so, the company plans how to deal with external risks, particularly risks associated with dependence on public infrastructure. The company has a formal engagement with COMPESA, which supplies water to the site, through a raw water supply contract. Solar Suape also carried out a Field Visit on May 23, 2023, at the Bita Dam and Ecological Station site.</p> <p>Evidence: 1.1.1_SUA_-_Contrato_Compesa Atuação_do_site_junto_a_compesa_no_COBH_-_Visita_de_campo_para_realização_de_col eta_de_dados_para_o_PHA 1.7.1_Riscos_Hídricos_SUA</p>	
3.9	<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>	
3.9.1	<i>Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.</i>	 Yes
Comment	<p>Spreadsheet " 1.8.1a1.8.5_BP_-_Boas_Práticas_SUA". where the site shows the best practices and actions. Example: Participation in the GL2 River Basin Committee; Water and Water Resources Management Committee; activities with the communities.</p> <p>Evidence: - 9. Reunião EGRH Setembro 2023 - COBH_REUNIÃO_DIRETORIA_27.09.2023 - INICIATIVAS SOLAR SUAPE - 2022</p>	
3.9.2	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	<p>Spreadsheet " 1.8.1a1.8.5_BP_-_Boas_Práticas_SUA". where the site shows the best practices and actions. The company has a water efficiency self-assessment tool with a results dashboard and successful practices.</p> <p>Evidence: Anexo 1 Ferramenta de Autoavaliação de Eficiência Hídrica SUA 2022</p>	
3.9.3	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 Yes
Comment	<p>Spreadsheet " 1.8.1a1.8.5_BP_-_Boas_Práticas_SUA". where the site shows the best practices and actions. The company has an internal committee for matters related to water resources, including water quality, which is the Water and Water Resources Management Committee. They also participate in the GL2 Hydrographic Basin Committee, where monitoring of basins and water quality are discussed.</p> <p>Evidence: - 9. Reunião EGRH Setembro 2023 - COBH_REUNIÃO_DIRETORIA_27.09.2023</p>	
3.9.4	<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

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Comment Spreadsheet " 1.8.1a1.8.5._BP_-_Boas_Práticas_SUA". where the site shows the best practices and actions. The company collects and uses rainwater, Reuse of water in the sand chamber backwashing processes, which has the shared benefit of reducing water consumption from water sources.
Actions are planned to improve or maintain the status of IWRA - Bitá and Utinga Dam: 1. Management Plan for ESEC (Ecological Stations) of Bitá and Utinga; 2. Monitoring of the Hydrographic Basin Hydroenvironmental Plan. Both actions are ongoing.
Planned actions to improve or maintain the status of IWRA Riacho Algodóais and its riparian forest: 1 - Update of the current conditions of the APP, through the contracting of a new diagnosis (status: finished); 2 - Collecting information from surrounding companies about initiatives (status: on going).

Evidence:
- 1.8.1a1.8.5._BP_-_Boas_Práticas_SUA
- Levantamento_de_AIRAS_na_Unidade_(On_Site)
- Levantamento de AIRAS Fora da Unidade (Off Site) - SUA
- RT MOTIR-ON 2020-08-09 (Diagnóstico APP Solar-Suape)

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



Yes

Comment Spreadsheet " 1.8.1a1.8.5._BP_-_Boas_Práticas_SUA". where the site shows the best practices and actions. The Solar Suape has ISO 45001 and ISO 22000 certificate. The site has 664 people, 17 WC facilities. The site attends and exceeds the minimum number of WC facilities on the national requirement, NR24, about minimal quantities of sanitary facilities.

Evidence:
- 1.8.1a1.8.5._BP_-_Boas_Práticas_SUA
- 1.3.8_SUA_-_Certificado_ISO_45001_VAL.Novembro.2023
- 1.3.8_SUA_-_Certificado_FSSC_22000_VAL.Setembro.2025
- 1.3.8 - Levantamento de WCs NR24
- Mapa de Localização Ambiental 2023 (version 1) (which has points with bathrooms and drinking fountains)

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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	The company evaluates performance and records it in the Water Stewardship Plan and Water Management Plan spreadsheets. As an example: Goal of increasing water reuse on the site by 5% per year. In 2022 the average reuse was 34% and in 2023 the average reuse was 42%. Which represents a 9% increase in reuse. Evidence: 2.3.2_SUA_-_Plano_de_Gestão_Sustentável (1); WMP - SUA 2ºTRI2023; - Planilha de Acompanhamento das Ações (WMP) - Plano de Gestão Atualizado com aba de monitoramento de reaproveitamento –
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i> ✔ Yes
Comment	In the WSP spreadsheet there is a column called "Generated Values", which describes the type of value created for each action in the plan. The values generated are also highlighted in the "good practices" spreadsheet. Evidences: - Updated Management Plan with reuse monitoring tab –2.3.2 & 4.1.1 & 4.1.2 SUA - Plano de Gestão Sustentável
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i> ✔ Yes
Comment	In the WSP spreadsheet there is a column called "Generated Values", which describes the type of value created for each action in the plan. The values generated are also highlighted in the "good practices" spreadsheet. Evidence: 2.3.2_SUA_-_Plano_de_Gestão_Sustentável 1.8.1a1.8.5. & 4.1.3 BP - Boas Práticas SUA WMP - SUA 2ºTRI2023
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	There have been no incidents in the last 5 years.
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

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Comment Updated Engagement Plan with activities and frequencies with interested parties. The company is implementing the engagement plan and has already carried out actions by sending emails to suppliers requesting information. An example of engagement are contact emails with Suppliers requesting consumption data (Valgroup and Brasalpla).

Evidence: E-mail Fornecedor Brasalpla; E-mail Fornecedor Valgroup.

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.*



Yes

Comment The Site WSP is in its first version. The Site WSP is a living document that they continue to amend as they complete projects, engage in new projects and set new goals and evaluate feasibility of existing projects as well as engage with their stakeholders and learn about their best practices and initiatives.

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5 STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	<i>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.</i>
5.1.1	<i>The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.</i> ↗
Comment	<p>The composition of the Water Resources Management Team (EGRH) is disclosed internally. Furthermore, the functions of the members are established in corporate normative procedure (SOL-PN-MAB-MA-05 - Water Resources Management, revision 04). This list is in item 5.7 of the aforementioned procedure, which is available via the electronic document management system, available to all employees.</p> <p>There is still no external disclosure related to governance.</p> <p>Evidence: - External disclosure – COBH call minutes: 5.1.1 - 3^a CONVOCAÇÃO ORDINÁRIA COBH 2023 REMOTA</p> <p style="text-align: right;">Finding No: TNR-006250</p>
5.2	<i>Communicate the water stewardship plan with relevant stakeholders.</i>
5.2.1	<i>The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.</i> ↗
Comment	<p>Internal communication: The WSP and WMP are communicated internally through the Water Committee and Water Resources Management Team - EGRH (industrial manager, SGI coordinator, AQP Supervisor, AQP Supervisor -ETA, SGI analysts, AQP Technicians, Utilities Operator, ETA/ET supervisor, maintenance coordinator and building maintenance supervisor and Waste Analyst).</p> <p>External communication: The water management plan has not yet been communicated to all relevant stakeholders. The inclusion of the disclosure of the unit's commitment to the objectives of AWS and its actions were included in the agenda of the 3rd Ordinary Meeting of the COBH, which is scheduled for 10/24/2023, as described in the attached notice. It is worth noting that all parties interested in the topic, as well as all regulatory bodies, make up the committee.</p> <p style="text-align: right;">Finding No: TNR-006251</p>
5.3	<i>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.</i>
5.3.1	<i>A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.</i> ✔
Comment	<p>The company's Sustainability Report is published annually. In the report for the year 2022 (published in 2023) and available on the company's website, it describes how water resources are managed (starting on page 99 and in accordance with the requirements GRI 3-3, 303- 3 and 303-4). The history of water consumption and its reduction, stratification by catchment and water resource preservation projects are also disclosed.</p> <p>Evidence: 5.3.1_-_Sustainability_report_acesso_2</p> <p style="text-align: right;">Yes</p>

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5.4	<i>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.</i>	
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>Internal communication: Minutes of the Critical Analysis meeting held on 03/03/2023, where challenges and efforts related to water are presented and discussed.</p> <p>External communication: Challenges and efforts to address water challenges have not yet been communicated to all relevant stakeholders. The unit's commitment to the AWS objectives and its actions were discussed as an agenda at the board meeting of the Hydrographic Basin Committee - GL2 and will be on the agenda of the 3rd Ordinary Meeting of the COBH which is scheduled for 10/24/2023, as described in the attached notice. It is worth noting that all parties interested in the topic, as well as all regulatory bodies, make up the committee.</p> <p>Evidence: - Minutes and Photos of RACA (Annual Critical Analysis Meeting): 5.4.1 Reunião de Análise Crítica - Fotos; Ata de Reunião de Análise Crítica - 2023.</p> <p style="text-align: right;">Finding No: TNR-006252</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>Updated Engagement Plan with activities and frequencies with interested parties. The company is implementing the engagement plan and has already carried out actions by sending emails to suppliers requesting information. An example of engagement are contact emails with Suppliers requesting consumption data (Valgroup and Brasalpla).</p> <p>Evidences: 1.2.1 Resumo de engajamento Suape</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>	 Yes
Comment	There are no compliance violations.	
5.5.2	<i>Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.</i>	 Yes
Comment	There are no compliance violations.	
5.5.3	<i>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.</i>	 Yes
Comment	There are no compliance violations.	

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Photographic Evidence from Audit

✔
Yes



deposito-quimicos-para-limpeza-linha.jpeg



entrada-efluentes_pre-tratamento.jpeg



suape-chemicals-area.jpeg



chemicals-area-ETA.jpeg

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linha água sistema incendio.jpeg



suape-reservoirs-2500liters-each-one-potable-water.jpeg



suape-ETA.jpeg



Suape-expedicao.jpeg

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armazenamento-lubrificantes.jpeg



suape-supervisorio.jpeg



gestao a vista-ETA.jpeg

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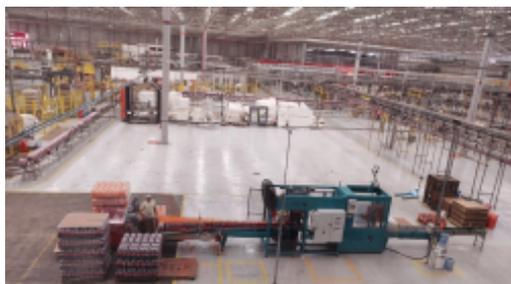
Audit Number: AO-000721



suape-utilities.jpeg



SUAPE-water input.jpg



suape-production.jpeg



suape-medidor-vazao-efluentes.jpeg



suape-chemicals-area2.jpeg

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suape-reservatorio-agua-bruta.jpeg



suape-plant.jpeg



suape-efluent-output-at-algodoais-river.jpeg

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central-residuos-descaracterizacao-bebidas.jpeg



suape-production-panel-KPIs.jpeg



suape-saída-ETE.jpeg



suape-ETA-productionWater.jpeg

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suape-entrada agua bruta.jpeg