Alliance for Water Stewardship Assessment Report

Prepared for AGRICOLA PAMPA BAJA S.A.C.

Prepared by: SGS

SGS Ref.: WAT-090

Version: 2

Date: 15-Oct-21

REPORT DETAILS

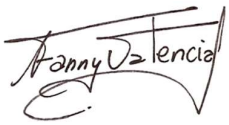
REFERENCE	AWS-000345	
CERTIFICATE No	**SGS2021_AWS0019**	
REPORT TITLE	**ALLIANCE FOR WATER STEWARDSHIP ASSESSMENT REPORT**	
DATE SUBMITTED:	14 and 15-Oct-21	
CLIENT:	**AGRICOLA PAMPA BAJA S.A.C.** This certification process includes the following Farm(s) (sites): — Site1: Farm, located in Lambayeque	
PREPARED BY:	Erick López Knežević – Lead Auditor SGS del Perú S.A.C. Av. Elmer Faucett 3348 Callao 1 – Perú erick.lopez@sgs.com	Fanny Valencia Juscamaita – Auditor SGS del Perú S.A.C. Av. Elmer Faucett 3348 Callao 1 – Perú fanny.valencia@sgs.com
SIGNED:	 Erick López Knežević – Lead Auditor	 Fanny Valencia Juscamaita – Auditor
TECHNICAL SIGNATORY	09337126T PAULA SOFIA GOMEZ (C:A28345577) Digitally signed by 09337126T PAULA SOFIA GOMEZ (C:A28345577) Date: 2022.01.13 08:57:50 +01'00'	
STATUS	**FINAL**	
NOTICE	This document is issued by SGS under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects SGS's findings at the time of its intervention only and within the limits of Client's instructions, if any. SGS's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful, and offenders may fully be prosecuted of the law.	

Table of content

1 EXECUTIVE SUMMARY

The scope of the services covers the conformity assessment in accordance with the AWS International Water Management Standard Version 2.0 for

AGRICOLA PAMPA BAJA S. A. C.
Farm located in LAMBAYEQUE
MAZ. 8 LOTE C8 FND.
Between valley of rivers Cascajal and Olmos.
Lambayeque Department; Lambayeque Province

The evaluation has been carried out in compliance with the requirements of AWS Certification, Version 2, March 2019.
This visit was carried out as a face-to-face audit, additionally computer tools were used to carry out some interviews with their stakeholders, in strict compliance with the Biosafety protocols determined by the organization evaluated, due to the restrictions that are still in force in Peru to avoid contagion by the COVID-19 Pandemic

- The biosafety protocols determined both by SGS Perú S. A. C. were applied, as well as those determined by the client for access to the site (visit and tour of the site)
- The minimum criterion of 30 days was considered for the publication of the certification audit process that was going to be developed on the client's site. Post uploaded and available on page: a4ws.or
- It was considered that both the Lead Auditor (audit team) and client representatives communicated on their social networks about the certification process.
- Until the date of preparation of this document, no comments have been received on the management model and certification process in the AWS2.0 standard.
- A process of face-to-face interviews was developed with various internal and external stakeholders. In this process, no negative comments such as complaints and / or claims about the water management of the evaluated organization were received.

Given the documentary review carried out, the verification of the evidence and the inspections of visits to the site carried out, SGS recommends that AGRICOLA PAMPA BAJA S.A.C. – a farm located in LAMBAYEQUE obtain the AWS CORE LEVEL certificate with a surveillance audit interval of annual frequency.

During the Certification audit process, a total of 04 (four) minor non-conformities were identified; as well as 04 (four) Observations.

These Findings should be treated as follows:

- The 4 (four) minor non-conformities; A cause analysis and action plan must be presented for review by the Lead Auditor and, if approved, their effectiveness will be verified at their next annual surveillance visit. Therefore, it is the responsibility of AGRICOLA PAMPA BAJA S.A.C. effective management of these findings at the next surveillance visit.
- The 11 (eleven) Observations: The Presentation of action plans is not necessary; however, these may be reviewed in your next annual surveillance visit.

2 SCOPE OF ASSESSMENT

The scope of the services covers the conformity assessment in compliance with the AWS International Water Stewardship Standard Version 2 for

AGRICOLA PAMPA BAJA S. A. C.
Farm
MAZ. 8 LOTE C8 FND.

The assessment was completed in accordance with AWS Certification Requirements, Version 2, March 2019.
The scope of the site is:

Avocado cultivation

The visit took place under an "in situ" modality between October 14 and 15, 2021.
The visit included interviews with Stakeholders, as well as a recognition of the infrastructure related to the water cycle at the site. (capture use and discharge of its wastewater).

During the visit, we can confirm the different aspects of the farm, which are shown in table 2.1.

Table N ° 2.1
Site Photos

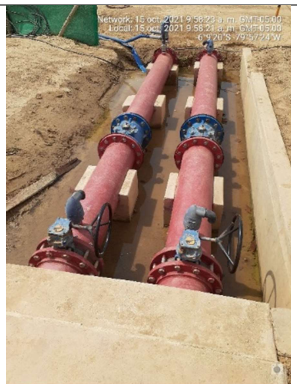
AGRICOLA PAMPA BAJA S.A.C.	
 Entrace	 Training on the correct use responsible of water for visitors and contractors
 Reservoir No. 1	 Reservoir No. 1 an Fertilization Module
 Measurement System in Reservoir N°1	 Flow Measurement Fertilization Module

Fertilization tanks in Reservoir No. 1

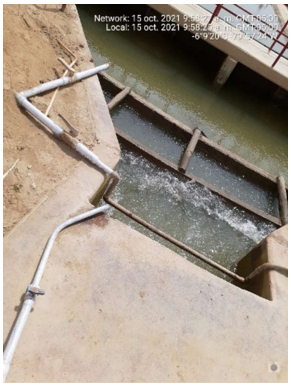
Emergency Kit into Reservoir No. 1

Fertilization Warehouse in Reservoir No. 1

Personal of Water Control in Reservoir No. 1



Point of entry and measurement of surface water of Olmos project



Enter to Reservoir N°1

Collection and Pumping System (groundwater) Well N°5

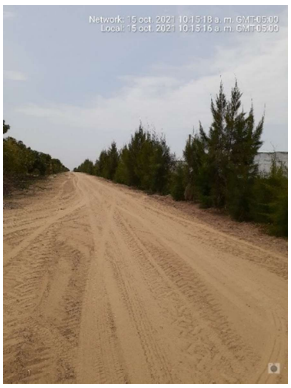
Flowmeter Well N°5

Biodigester to collect wastewater

Plant Potable Water

Potable Water in dining Room

Bathroom in Fields

 Drains - actions to avoid floods in emergency of "The EL NIÑO phenomenon"	 Reforestation in Limits

3 DESCRIPTION OF THE COLLECTION AND DISCHARGE

The farms of the company AGRICOLA PAMPA BAJA S. A. C. have the following locations:

Table 3.1
Location

Element	Farm located in LAMBAYEQUE
Location	Lot C8
District	OLMOS
Department	LAMBAYEQUE
Main activity:	***Avocado cultivation***
Cultivated hectares	915.67
Total Hectares	1100

The geographical scope includes farms identified as Lot C8, exclusively including the agricultural area with its respective infrastructure, as well as its sanitary infrastructure.

Table 3.2
Catchment Point (s)

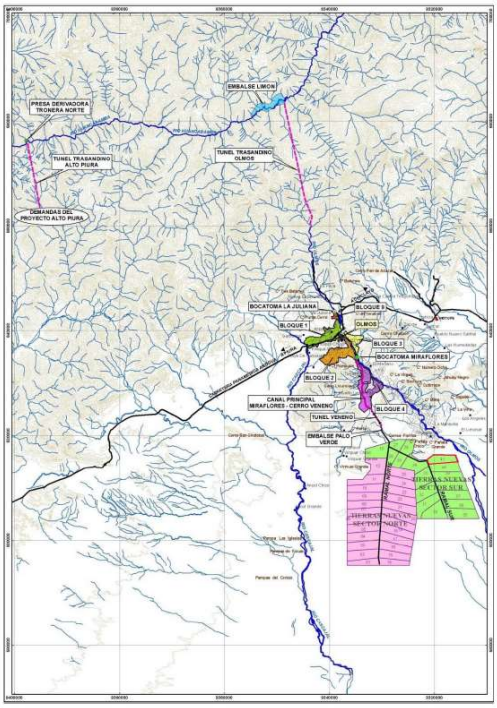
Farm	Cuenca	Sub account	Aquifer	Other bodies of water
LOT C8	HUANCABAMBA river	-	The ZAPALLAL	-

The site generates two types of wastewater:

— Domestic: Generated by sanitary facilities, food preparation and regular consumption of drinking water. These waters are temporarily stored in biodigesters, which are later evacuated by an authorized manager for the removal, transport, and treatment of this type of waste, outside the basin where the site is located.
— Industrial or productive processes. generated in the cleaning of its packing plant. These waters are temporarily stored in biodigesters, which are later evacuated by an authorized manager for the removal, transport and treatment of this type of waste, outside the basin where the site is located.

The organization defined the HUANCABAMBA river, and the ZAPALLAL aquifer, as an AWS2.0: 2019 catchment source.
The water catchment is predominantly from groundwater. (see Figure N ° 3.1)

Figure N ° 3.1
Source of catchment

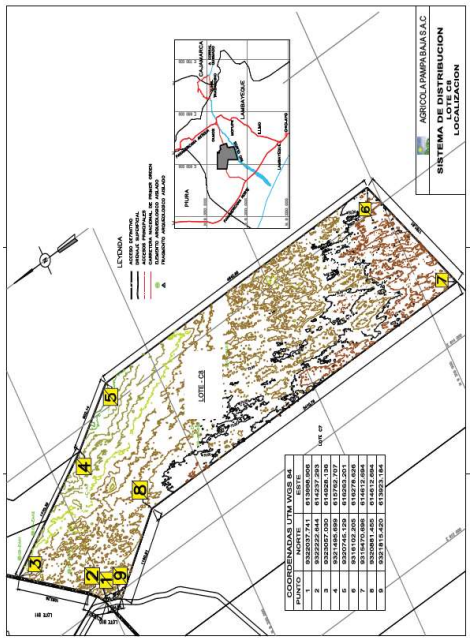


The site has the following infrastructure for both its catchment in the basin and its discharge:

Table 3.4
Infrastructure Water - WASH

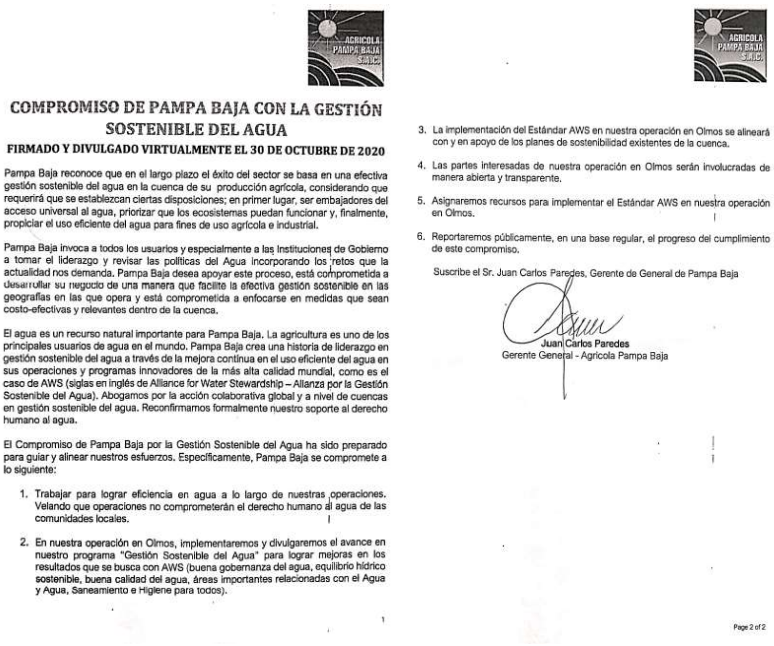
Farm	Catchment Well	Treatment plant	Latrines, toilets, sinks, urinals, and showers	Reservoirs	Others
LOT C8	8	-	48	4	-

Figure N ° 3.2
Site Map – Lot C8



The site has a Commitment that includes promoting its compliance with the AWS indicators and principles (see Figure N ° 3.4)

Figure N ° 3.6
AWS commitment



COMPROMISO DE PAMPA BAJA CON LA GESTIÓN SOSTENIBLE DEL AGUA

FIRMADO Y DIVULGADO VIRTUALMENTE EL 30 DE OCTUBRE DE 2020

Pampa Baja reconoce que en el largo plazo el éxito del sector se basa en una efectiva gestión sostenible del agua en la cuenca de su producción agrícola, considerando que requerirá que se establezcan ciertas disposiciones; en primer lugar, ser embajadores del acceso universal al agua, priorizar que los ecosistemas puedan funcionar y, finalmente, propiciar el uso eficiente del agua para fines de uso agrícola e industrial.

Pampa Baja invoca a todos los usuarios y especialmente a las Instituciones de Gobierno a tomar el liderazgo y revisar las políticas del Agua incorporando los retos que la actualidad nos demanda. Pampa Baja desea apoyar este proceso, está comprometida a desarrollar su negocio de una manera que facilite la efectiva gestión sostenible en las geografías en las que opera y está comprometida a enfocarse en medidas que sean costo-efectivas y relevantes dentro de la cuenca.

El agua es un recurso natural importante para Pampa Baja. La agricultura es uno de los principales usuarios de agua en el mundo. Pampa Baja crea una historia de liderazgo en gestión sostenible del agua a través de la mejora continua en el uso eficiente del agua en sus operaciones y programas innovadores de la más alta calidad mundial, como es el caso de AWS (siglas en inglés de Alliance for Water Stewardship – Allanza por la Gestión Sostenible del Agua). Abogamos por la acción colaborativa global y a nivel de cuencas en gestión sostenible del agua. Reconfirmamos formalmente nuestro soporte al derecho humano al agua.

El Compromiso de Pampa Baja por la Gestión Sostenible del Agua ha sido preparado para guiar y alinear nuestros esfuerzos. Específicamente, Pampa Baja se compromete a lo siguiente:

1. Trabajar para lograr eficiencia en agua a lo largo de nuestras operaciones. Velando que operaciones no comprometerán el derecho humano al agua de las comunidades locales.
2. En nuestra operación en Olmos, implementaremos y divulgaremos el avance en nuestro programa "Gestión Sostenible del Agua" para lograr mejoras en los resultados que se busca con AWS (buena gobernanza del agua, equilibrio hídrico sostenible, buena calidad del agua, áreas importantes relacionadas con el Agua y Agua, Saneamiento e Higiene para todos).
3. La implementación del Estándar AWS en nuestra operación en Olmos se alineará con y en apoyo de los planes de sostenibilidad existentes de la cuenca.
4. Las partes interesadas de nuestra operación en Olmos serán involucradas de manera abierta y transparente.
5. Asignaremos recursos para implementar el Estándar AWS en nuestra operación en Olmos.
6. Reportaremos públicamente, en una base regular, el progreso del cumplimiento de este compromiso.

Suscribe el Sr. Juan Carlos Paredes, Gerente de General de Pampa Baja

Juan Carlos Paredes
Gerente General - Agrícola Pampa Baja

Page 2 of 2

4 SUMMARY OF SHARED WATER CHALLENGES & I IMPORTANT AREAS RELATED TO WATER

The site identified a total of 07 challenges shared with its Stakeholders:

1. Support for the creation of a Board of Groundwater Users.
2. Improve water quality.
3. Optimize the sediment treatment of the Project water.
4. Mitigate the lack of drinking water and sanitation in the LA ALGODONERA town center (former owners)
5. Sustainably manage water in times of low water.
6. Share knowledge of irrigation and efficient water use technique.
7. Increase technical knowledge of the aquifer through a mathematical model.

The organization publicly declares that within the watershed there are no important areas related to water, it is an artificial watershed developed in a dry forest; however, the organization has a forest, currently under development, of 1 500 hectares located within of the basin.

5 OBJECTIVES

The site has a sustainable water management plan, which has been developed in the AWS Management Plan document - Fundo OLMOS, which establishes objectives, indicators and planning to achieve the fulfillment of the proposed goals, in accordance with its management plan. driving.
This document allows the monitoring, measurement and analysis of the results in relation to the fulfillment of its objectives.

The elements of the Plan are detailed below:

- For the Good Governance of Water:

    1. Avoid over-exploitation of the aquifer by registering with the AAA of Piura in the formation of the users' council.
    2. Monitoring of the water table levels of the wells in production.

- On the Water Balance:

    1. Strengthen the environmental culture (saving and efficient use of water) in 100% of the company's personnel and the population close to our operations.
    2. Train key personnel (Headquarters) on the AWS Standard.
    3. Generate a specialized training program for the personnel in charge of the irrigation system.
    4. Train those in charge of irrigation and hydraulic maintenance in sustainable management of water resources and operational issues of resource management.
    5. Ensure that all the parts or elements of the irrigation systems are operating properly according to the standards of their design (pumps, filters, pressures, flows).
    6. Ensure that the supplied volumes reach the crop efficiently.
    7. Ensure that all areas of the plantation receive the amount of water required according to the characteristics of the soil.
    8. Establish protocols for the proper application of fertilizers and water to the plants.
    9. Record any event or water event in income, water supplies to the crop, record of parameters such as evaporation and evapotranspiration, and other factors such as humidity, temperature, wind speed that influence the demand for water by the crop.
    10. Preparation of a DASHBOARD of indicators for the presentation of the most important water milestones in the course of each campaign.
    11. Carry out a comparison of the water value saved by Pampa Baja vs. the water value of other lots, this in agreement with another company that has a different monitoring of the water supply to its crops (Paltos) or with reference bibliography of the crop.
    12. Verify the saving of water versus the volume and quality of the product obtained by each campaign of the avocado crop.
    13. Disclose to interested parties the fine work carried out by Pampa Baja regarding the application of water resources in the cultivation of avocados.

- About Water Quality:

1. Automate the process that intervenes in the treatment of surface water entering the Pampa Baja operations, through a supply network assisted by electric injectors, mixers and dosing pumps.
2. Measure the turbidity level of the APB water inlet.

- On the Protection of Important Areas related to the Basin:

1. Installation of forest curtains with own material at the perimeter of fields and irrigation sectors as mitigation of Climate Change and Protection of biodiversity.

- On Drinking Water, Sanitation and Hygiene

1. Optimize the distribution of potable water for personnel in all work areas.
2. Acquire a drinking water treatment plant.
3. Implement a domestic wastewater treatment system for: Dining-Kitchen Module. Perennial housing module.
4. Implement a treatment of effluents from phytosanitary applications and pre-mix.

- Indirect water use

1. Identify and quantify the indirect use of water in primary inputs and services, in order to understand how they use water.

6 STAKEHOLDERS & PUBLIC CONSULTATION

The public announcement on the official AWS page was made on 02-Sep-21.
The audit was carried out between October 14 and 15, 2021, covering the time determined by AWS for the official publication of the audit process, in its 1st. Certification visit.
It was a public consultation in which any interested party could openly participate. Until the preparation of this report, SGS Peru S. A. C and its Audit Team did not receive comments or concerns from interested parties about the management system and the audit process that was developed on site.

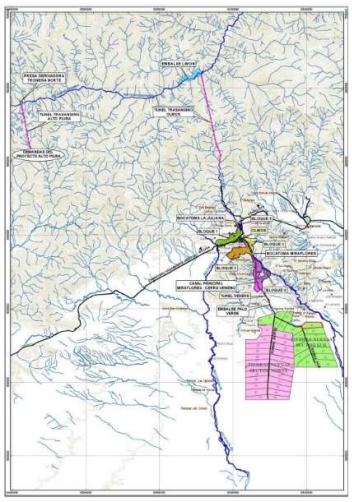
Part of the public consultation process included the publication on social networks of both SGS Perú S. A. C. staff and AGRICOLA PAMPA BAJA S.A.C.

On the days in which the face-to-face visit was made, no complaints were made, claims about the organization's water management in relation to the site; Likewise, it was verified that there are no sanctions (administrative or economic) imposed by the authorities of the site related to water.
In the audit process, several interviews were conducted in order to confirm the relevant interests and challenges related to comprehensive water management. It was observed that the interested parties recognize the person responsible for the legal compliance of matters related to AGRICOLA PAMPA BAJA S.A.C.

These are some of the site's stakeholders:

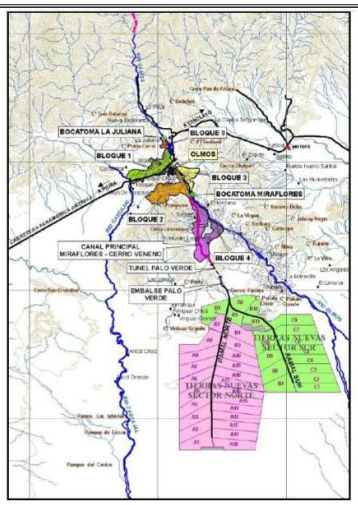
- Luciana Valladares – Administration and Corporate Affairs Manager
- Settler – PAÑALA FARMHOUSE
- Mr. Vasquez – Irrigation Coordinator
- Mr Henry Apzmagul – Irrigation Operator; Fertilization Operator
- Well Operator.
- Pro - Olmos (Olmos Irrigation Project Users Association)
- H2Olmos (Concessionaire of the water);
- AGROVISION farm
- INGLEBY farm
- ALAYA farm

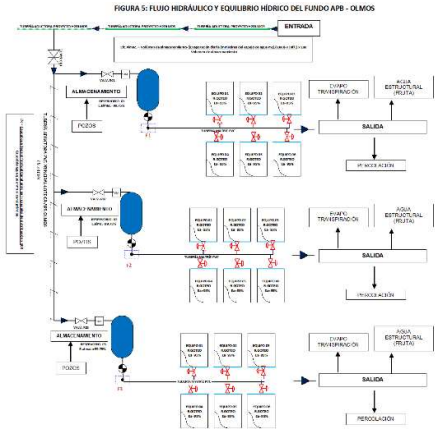
7 INDICATORS CHECKLIST

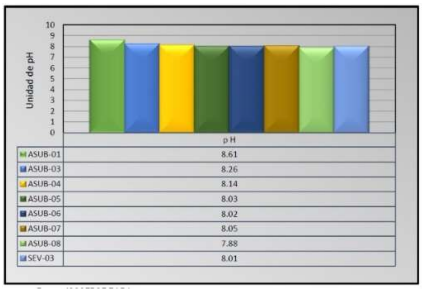
Clause	Details	Yes	No	Comments / Evidence
1	**GATHER AND UNDERSTAND**			
1.1	**Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; 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 wastewater service provider (if applicable) and ultimate receiving water body or bodies. — Catchment(s) that the site affect(s) and is reliant upon for water.	☒	☐	The organization has a Consolidated Location Plan for the Farm where the site limits, irrigation water reservoirs (4), wells (8), location of biodigesters (7) are located. Additionally, the organization has a Manual where it was possible to identify the location of the site and the basin where the project is located. Graph 1.1.1.1 Lot C8 – Site  During the tour, the infrastructure of the site is verified. Cases evaluated — Well No. 05 is verified along the way. Flow monitoring is performed. Maintenance is performed once a month. In addition, the organization indicates that the instruments are calibrated. Flowmeters Case 14-150023240 — It is verified in the route that the reservoir No. 01 collects from the wells and elm catchment and undergoes a primary treatment with the control of pH and NTU. There is control of the flow meters. From the reservoir, with a previous treatment, it is derived to the fertilization module and the fields are checked. The log is reviewed according to the irrigation schedule. The DREAM 2 system is evidenced

<table>
<tr><td></td><td></td><td></td><td></td><td>where the mixing, dosing and irrigation program is monitored. In addition, the organization indicates that the instruments are calibrated. Femtometer Case N ° 21495
— Hydrant entry of H2O Olmos to Pampa Baja, where the initial measurement of the H2OOlmos concessionaire (drinking water supplier) is carried out. Measurement and compliance with monthly payments to the H2O Olmos Superficial Water concessionaire is carried out
— Warehouses: There is a central agrochemical warehouse. Identification of the same, safety sheets, identification, concrete slab floors to avoid leaks, emergency kit is evidenced. Restricted areas.
— During the route, it is verified that drains have been built and their maintenance is carried out, as part of the response actions to floods that could arise in the main risk of the El Niño Phenomenon. These drains cross the fields and continue in the different neighbors.
— The reforestation fence on the slopes of these drains is maintained, or as curtains.
— The organization does not dispose of its wastewater at the site where the project is located, its domestic wastewater is temporarily stored biodigesters that are removed by the manager every 6 months. The provider responsible for this activity is RESISTER PERÚ S.A.C. Therefore, the organization does not measure the quality of the discharge water, nor the quality of the receiving body water.</td></tr>
<tr><td>1.2</td><td>Understand relevant stakeholders, their water-related challenges, and the site’s ability to influence beyond its boundaries.</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>1.2.1</td><td>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.</td><td>☒</td><td>☐</td><td>The organization has determined as relevant stakeholders through a Stakeholder Identification Matrix - Sustainable Water Management, updated on 05-Jun-21
The following are identified in this matrix:

Table N ° 1.2.1.1
Sample from
Stakeholders and Challenges
<table><tr><th>Parte Interesada</th><th>Desafíos</th></tr><tr><td>Pañalá Grande y Pañalá Chico (Caseríos cercanos)</td><td>Mejorar la calidad de vida mediante el consumo saludable de agua potable y acceso al agua de manera continua.</td></tr><tr><td>Autoridad Nacional del Agua – ANA (Entidad reguladora del agua)</td><td>Sostenibilidad del sector agricultura y desarrollo social.</td></tr><tr><td>H2Olmos (Concesionario del agua)</td><td>Creación de valor y continuidad del negocio. Ver EL-OBS1: Considerar revisar la eficacia del desafío identificado para esta parte interesada (ver página web: https://www.h2olmos.com/proyecto_irrigacion.html)</td></tr><tr><td>Municipalidad de Olmos (Entidades del estado)</td><td>Sostenibilidad del sector agricultura y desarrollo social.</td></tr></table>
Graph N ° 1.2.1.1
Location of Stakeholders</td></tr>
</table>

				 The methodology includes the physical and electronic approach with the interested parties. E-mail addressed to the ALA (Local Water Authority) dated 05-Oct-21 is reviewed, where topics such as: Water Management Plan; Needs and Expectations. The organization in its analyzed Matrix shows the degree of "will" (criteria: HIGH, MEDIUM, LOW) to participate of the interested party. **See EL-OBS2:** Consider revising the title assigned in column "M" of the matrix under analysis. The STAKEHOLDER IDENTIFICATION MATRIX - SUSTAINABLE WATER MANAGEMENT is reviewed REPORT N ° 53-2021-APBSAC / SIG is reviewed where the visit to the village "Pañalá and the taking of a survey to find out about their needs is evidenced **See FV-OBS1:** The organization should consider reviewing the criteria with which the Municipalities of OLMOS, JAYANCA are considered as Interested Parties. (ref.: Law No. 28611 - General Environmental Law) **See FV-OBS2:** Consider in the PI Identification Matrix to specify the topics of interest. Although it is based on various surveys, in these as well as in the interview carried out the relevant issue is the decrease in the water level of the wells, however in the Matrix a very general issue is placed, which would not allow focusing efforts to the specific topic
1.2.2	Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.	☒	☐	The organization has a methodology that allows it to determine the degree of influence between the site and the interested parties with a current perspective, leaving openness for future changes that would cause an update of this degree of influence. Figure N ° 1.2.2.1 Method to determine Degree of Influence

				
1.3	**Gather water-related data for the site, including water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.**	**-**	**-**	**-**
1.3.1	Existing water-related incident response plans shall be identified.	☒	☐	The organization has determined as possible incidents related to water possible floods in the face of anomalous climatic phenomena; to deal with these types of incidents, the organization has implemented: — A drainage system on the farm with the intention of protecting and mitigating future floods. The text of the SG-AWS Manual revision01 updated to 02-Jul-21 is revised. — A Drainage and Flood Study, as a contingency measure against the El Niño phenomenon, date of update of the study Sep-17. — Contingency Plan for the "El Niño 2015-2016" Phenomenon in the area of the H2Olmmos concessionaire.
1.3.2	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.	☒	☐	The organization has a hydraulic flow and water balance model for the APB - Olmos farm updated to May-21, where the direction of flow and consumption (input) values have been determined for both its wells and the line provided by H2Olmos (concessionaire of the site's drinking water service); as well as the storage phases in three reservoirs (R1: 20,000m3; R2: 25,000m3; R3: 16,000m3), stages of use in their dripping equipment used for production; and outputs where items such as Evapotranspiration, Structural Water (fruit), and Percolation (loss) are determined Figure N ° 1.3.2.1 Hydraulic Flow and Water Balance. 

				For this same element, the organization has developed a Water Balance for the cultivation of avocado with which it establishes and projects the demand for water for the production process for the months of May-21 to Apr-22; A behavior is observed that shows results of surplus (May-Nov 2021) and deficit for the month of Dec-21.
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.	☒	☐	The organization has determined as the rate of variation in water consumption, for the period 2021 - 2022 between the months of May to April respectively: — 199% — 246% — 228% — 165% — 108% — 108% — 100% — 98% — 104% — 136% — 130% — 153% This variation is due to water optimization factors at the catchment points, which is alternated with the drinking water provider (H2OLMOS), as well as the storage of rainwater (or rainfall in the sector). This variation also includes the increase in avocado production due to internal and external demand.
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.	☒	☐	The organization has two catchment sources, one provided by the site's water concessionaire (H2Olmos) and the other through the consumption of water from 8 wells located on the premises (C8). The Air - Noise - Water - Soil Environmental Monitoring Report corresponding to the 1st semester of 2021 (prepared on Jun-21 by the company ICOSERGE) is reviewed. This report presents an evaluation of water quality in parameters such as: pH, Dissolved oxygen, Oils, and fats, among others. Information is included for wells identified as ASUB-01; ASUB-03; ASUB-04; ASUB-05; ASUB-06; ASUB-07; and ASUB-08 (7 of the 8 wells used by the organization) Figure N ° 1.3.4.1 PH concentration (Only one parameter of those analyzed)  The sampling report carried out for the well identified as SEV-011, generated on 25-Aug-21, is reviewed; Test Report N ° 1-09110 /

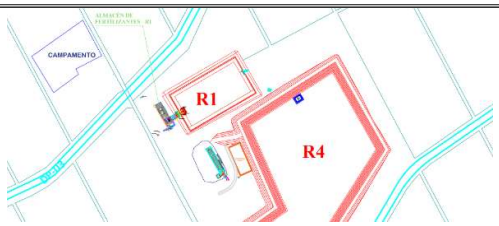
				20 containing the results of the physical-chemical and microbiological analysis. From the sample reviewed for the audit process, it is evidenced that there is no significant variation in its seasonal or annual quality. Figure N ° 1.3.4.2 Essay report  Figure N ° 1.3.4.3 Sampling point Superficial water Reservoir  Figure N ° 1.3.4.4 Sampling point Deep water Well No. SEV-03; SEV-10; and SEV-05 

<table>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>


The organization does not dispose of its wastewater at the site where the project is located, its domestic wastewater is temporarily stored biodigesters that are removed by the manager every 6 months. The provider responsible for this activity is RESISTER PERÚ S.A.C. Therefore, the organization does not measure the quality of the discharge water, nor the quality of the receiving body water.

Figure 1.3.4.5
Rate of change
Groundwater Quality
<table>
<tr><th>FECHA</th><th>LUGAR DE MUESTREO</th><th>PARÁMETRO</th><th>UNIDAD</th><th>RESULTADO</th><th>LÍMITE PERMITIBLE D.S. N° 015 - 2015 MINAM catg 03 - D1</th></tr>
<tr><td>06/2019</td><td>ASUB-01</td><td>PH</td><td>mg/L</td><td>7.35</td><td>6.5 – 8.5</td></tr>
<tr><td>12/2019</td><td>ASUB-01</td><td>PH</td><td>mg/L</td><td>6.79</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2020</td><td>ASUB-01</td><td>PH</td><td>mg/L</td><td>7.35</td><td>6.5 – 8.5</td></tr>
<tr><td>12/2020</td><td>ASUB-01</td><td>PH</td><td>mg/L</td><td>7.16</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-01</td><td>PH</td><td>mg/L</td><td>8.61</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-03</td><td>PH</td><td>mg/L</td><td>8.26</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-04</td><td>PH</td><td>mg/L</td><td>8.14</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-05:</td><td>PH</td><td>mg/L</td><td>8.03</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-06</td><td>PH</td><td>mg/L</td><td>8.02</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-07:</td><td>PH</td><td>mg/L</td><td>8.05</td><td>6.5 – 8.5</td></tr>
<tr><td>06/2021</td><td>ASUB-01</td><td>PH</td><td>mg/L</td><td>7.88</td><td>6.5 – 8.5</td></tr>
</table>
</td>
</tr>
<tr>
<td>1.3.5</td>
<td>Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.</td>
<td>☒</td>
<td>☐</td>
<td>The organization uses various chemicals as fertilizers; flocculant (Arifloc); coagulant (PAC Pantera) for the treatment of your raw water, prior to its use in production processes.
The APB Real Location Plan map - 2021 is reviewed, where the location of the storage area and the chemical dosing points in the reservoirs are observed.

Figure N ° 1.3.5.1
Storage and Use
Chemical products</td>
</tr>
</table>

				 Likewise, the organization has a Fixed and Portable SSHH Distribution Map revision01 updated to Jun-15-21 where it identifies its possible sources of contamination.
1.3.6	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.	☒	☐	The organization has determined that there is no significant area related to water within the property.
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.	☒	☐	The organization shows an investment in the water resource of the headquarters for a value of US $ 1,476,480 corresponding to 2021. The SG-AWS Manual document is reviewed where the investment items are oriented to: — Irrigation. The one that allows to quantify the cultural, social, and environmental value in the use of water in the area; since this irrigation process implies the alternation of the water catchment from the wells and the water consumption through the supplier H2OLMOS; maintaining permanent access of the stakeholders of the sector to the catchment of the wells. — Infrastructure. — Vehicles, machinery and implements, among others. Figure N ° 1.3.7.1 Investment Value 
1.3.8	Levels of access and adequacy of WASH at the site shall be identified.	☒	☐	The organization shows evidence of the identification and access to sanitation through the plans of the biodigesters, location, capacity and important points of the process. Information from 8 plans of biodigesters located within the property under analysis is reviewed: — RE-01 — RE-02 — RE-03 — RE-04 — RE-05 — RE-06 — RE-07 — RE-08
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**	**-**	**-**	**-**

<table>
<tr><td></td><td>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.</td><td></td><td></td><td></td></tr>
<tr><td>1.4.1</td><td>The embedded water use of primary inputs, including quantity, quality, and level of water risk within the site's catchment, shall be identified.</td><td>☒</td><td>☐</td><td>The organization has determined as primary inputs products
— Agrochemicals,
— Fertilizers and fertilizers,
— Fuels and lubricants, and
— Various equipment.

It was learned that none of these primary inputs is located within the Huancabamba river basin.</td></tr>
<tr><td>1.4.2</td><td>The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.</td><td>☒</td><td>☐</td><td>The organization has determined as outsourced services, which are located within the basin under analysis, has:
— Personal transportation.
— Staff feeding.

A report is reviewed with the detail of the calculation of water consumption in the transport wash, where as a result of this calculation a consumption in the transport activity of 54M liters per month is observed.

Figure N ° 1.4.2.1
Volume of consumption
Transport
<table><tr><th>DESCRIPCION</th><th>UNIDADES</th><th>TIEMPO LAVADO (Hr.)</th><th>LITROS/UNIDAD</th><th>TOTAL DE LITROS-MES</th></tr><tr><td>COMBI</td><td>12</td><td>0.42</td><td>470</td><td>45,120</td></tr><tr><td>BUS</td><td>1</td><td>0.83</td><td>930</td><td>3,720</td></tr><tr><td>MINIBUS</td><td>1</td><td>0.67</td><td>750</td><td>6,000</td></tr><tr><td colspan="4">TOTAL</td><td>54,840</td></tr></table>
The geographical location of the primary input providers is reviewed:
— ARIS INDUSTRIAL, supplier of supplies for water treatment, located in Lima, outside the basin.
— SQM supplier of fertilizers, located in Lima, outside the basin.

A report is reviewed with the detail of the calculation of water consumption in food preparation activities, which are carried out in the same facility of the organization, where a consumption in the food preparation activity of 15M liters per month.

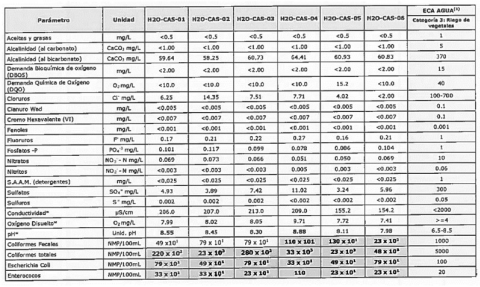
Figure N ° 1.4.2.2
Volume of consumption
Food preparation</td></tr>
</table>

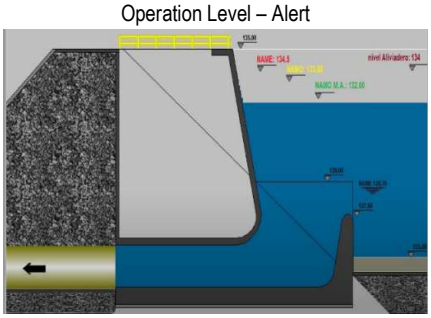
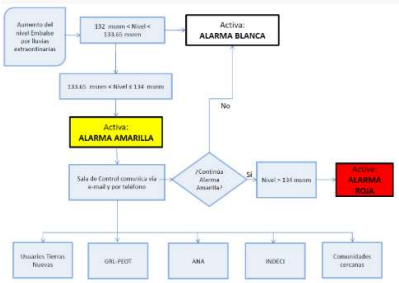
<table>
<tr><td></td><td></td><td></td><td></td><td>
<table>
<tr><th>DESCRIPCION</th><th>CAUDAL (lts/seg)</th><th>TIEMPO (seg)</th><th>VECES AL DÍA</th><th>VOLUMEN DIARIO (lts)</th></tr>
<tr><td rowspan="2">Desayuno</td><td>0.14</td><td>15</td><td>20</td><td>42</td></tr>
<tr><td>-</td><td>-</td><td></td><td>25</td></tr>
<tr><td rowspan="2">Almuerzo</td><td>0.14</td><td>15</td><td>30</td><td>63</td></tr>
<tr><td></td><td></td><td></td><td>25</td></tr>
<tr><td rowspan="2">Cena</td><td>0.14</td><td>15</td><td>25</td><td>53</td></tr>
<tr><td></td><td></td><td></td><td>25</td></tr>
<tr><td>Agua Almacenada a Diario</td><td>--</td><td>--</td><td>4 (40)
2 (30)</td><td>160
60</td></tr>
<tr><td>Cocina /M. Jefaturas</td><td>0.06</td><td>10</td><td>15</td><td>9</td></tr>
<tr><td>Cocina /C. Foráneo</td><td>0.14</td><td>10</td><td>40</td><td>56</td></tr>
<tr><td colspan="4">Sub – Total (lts)</td><td>508</td></tr>
</table>
</td></tr>
<tr><td>1.5</td><td>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>1.5.1</td><td>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.</td><td>☒</td><td>☐</td><td>The organization has determined as water governance initiatives:
— Formation of the Groundwater Board.
— Availability of contingency plans for the El Niño phenomenon.

SGI Manual Document is reviewed.</td></tr>
<tr><td>1.5.2</td><td>Applicable water-related legal and regulatory requirements shall be identified, including legally defined and/or stakeholder-verified customary water rights.</td><td>☒</td><td>☐</td><td>The organization has a matrix of Interpretation and evaluation of environmental legal compliance, revision 02 updated to 07-Apr-21. This document allows you to check those legal requirements related to water:
— Law 28611: General Environmental Law
— DECREE LAW N ° 17752: Approve the General Water Law
— SUPREME DECREE N ° 004-2017-MINAM (ECA) for Water and establish Complementary Provisions
— LAW 29338: Law of Water Resources and its Regulations.

There is a procedure PGA 5 PROCEDURE FOR IDENTIFICATION OF ASPECTS AND EVALUATION OF ENVIRONMENTAL IMPACTS rev.01 and APGA 5.0 Interpretation and Evaluation of Legal Compliance EMS. The identification is indicated is made by various managers. There is the matrix INTERPRETATION AND EVALUATION OF ENVIRONMENTAL LEGAL COMPLIANCE

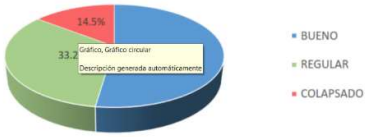
Norms such as:
— Water Resources Law - Law 29338
— Regulation of the Water Resources Law
— Law N ° 30157 - Law of the Organizations of Water Users
— LEGAL RULE - JEFATURAL RESOLUTION N ° 007-2015-ANA
— DS_004-2017-MINAM - Environmental Quality Standards (ECA) for Water approved
— DS_031-2010-DIGESA - Regulation of Water Quality for Human Consumption
— Legislative Decree No. 613: Code of the Environment and Natural Resources.
— "Legislative Decree N 1278 Legislative Decree that approves the law of integral management of solid waste."</td></tr>
</table>

				— "DS: N ° 030-98-EM: Regulation for the commercialization of Liquid Fuels and other products derived from Hydrocarbons" — "DECREE LAW Nº 17752: Approve the General Water Law" — "LAW 29338: Law of Water Resources and its Regulations."
1.5.3	The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.	☐	☒	**Minor Nonconformity** The organization has the quantification of the water balance of the basin that considers information from the year 2020 for the concept of agricultural demand per hectare of cultivation; the supply of the Olmos and Huancabamba rivers in 2019 resulting in a positive balance on the extraction of their underground waters; However, this balance does not include data or information on water consumption derived from the communities settled in the basin, the value of rainfall in the year (if applicable), and losses (if applicable); which does not allow to have an approximate balance of the basin under analysis. **Finding N ° 1 - 1.5.3 WATER BALANCE OF THE BASIN.**
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.	☒	☐	It was observed that the organization has a Water Quality Monitoring Report document developed by H2Olmos S. A. - Operation and Maintenance of the Olmos Irrigation Project, generated on May-2016. This report shows the results of the analysis of surface water samples in relation to national standards (Peru) category N ° 3: irrigation of vegetables and animal drinking. The variables analyzed in the report show evidence of the following parameters: — pH — Dissolved oxygen. — Carbonates — Selenium — Zinc — Oils and fats — Phenols, among others The report is reviewed with the results of the observed parameters (not all the parameters performed by the auditee, some were considered representative. These show a behavior below the values taken as a reference (according to Peruvian national legislation) Figure N ° 1.5.4.1 Results reference 
1.5.5	Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed	☒	☐	It was evident that the organization has identified as an important area:

	including any threats to people or the natural environment, using scientific information and through stakeholder engagement.			— The implementation of an artificial drainage system on the site. This area will protect and mitigate future floods. The hydraulic design of the drainage boxes considers the capacity to evacuate the necessary area in a climatic event or phenomenon.
1.5.6	Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.	☒	☐	It was observed that the organization shows in the document Emergency Action Plan - Emergency Activation Protocol for Overflow Risk - Palo Verde Reservoir, developed by H2Olmos, which specifies the actual exposure to external events (overflow of the Palo reservoir Green) Figure N ° 1.5.6.1 Operation Level – Alert  The observed infrastructure includes three Alert levels identified by color, which drives the implementation of the immediate response (green, yellow and red). The emergency response flow was accessed. Figure N ° 1.5.6.2 Communication flow 
1.5.7	The adequacy of available WASH services within the catchment shall be identified.	☒	☐	It was observed that the organization in its document Manual for Sustainable Water Management, revision01 issued on 02-Jul-21 has identified the value of the current population, as well as the value of the projected population in the Lambayeque region, which allows determine access and suitability to WASH services, in two important areas: — Coverage of drinking water. — Access to sanitary sewer. This information includes in its analysis both the urban population, as well as the rural population of the site under analysis. Figure N ° 1.5.7.1 WASH coverage Lambayeque Region

<table>
<tr><td></td><td></td><td></td><td></td><td>
<table>
<tr><th>ÁMBITO</th><th>Cobertura de Agua (%)</th><th>Cobertura de Alcantarillado y Disposición de excretas (%)</th></tr>
<tr><td>URBANA</td><td>78,85</td><td>70,46</td></tr>
<tr><td>RURAL</td><td>78,47</td><td>27,27</td></tr>
<tr><td>TOTAL</td><td>78,78</td><td>63,07</td></tr>
</table>

Part of the analysis determined by the organization to determine the availability of WASH includes the status of the applicable infrastructure.

Figure N ° 1.5.7.2
Infrastructure Status
WASH
 

</td></tr>
<tr><td>1.6</td><td>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>1.6.1</td><td>Shared water challenges shall be identified and prioritized from the information gathered.</td><td>☒</td><td>☐</td><td>It was observed that the organization has a Stakeholder Identification Matrix - Sustainable Water Management, revision01 updated to 09-Jun-21 where a detail of the shared challenges has been determined:
— Commitments of all interested parties in the implementation of the Water Management Plan.
— Maintenance of the Contingency Plan for the El Niño phenomenon.
— Strengthening of water structures.
— Permanent maintenance of causes or drains.
— Afforestation of the hills or slopes of the hills.
— Analyze possible solutions for the reduced capacity of the "El Limon" dam.
— Create groundwater user board.
— Provide advice on elements of sustainability of surface and underground water.
— Give access to water quality.
— Improve water quality.
— Promote and strengthen the efficient use of water resources.

The determination of the priorities for these challenges was observed assigned in the document Manual for Sustainable Water Management, revision01 issued on 02-Jul-21</td></tr>
<tr><td>1.6.2</td><td>Initiatives to address shared water challenges shall be identified.</td><td>☒</td><td>☐</td><td>It was possible to show that the organization has identified the following initiative related to water: "Monitor the sustainability of the aquifer and not reach excesses, steps are being taken to create a Board of Subsoil Water Users that will be responsible for the management of the aquifer. ". It was possible to verify that the organization covers its initiative through the following actions:
— Delimit the hydraulic sector that will be the area of influence of the new Board.
— Test new structures or settlers and techniques that optimize the lower content of solids in irrigation waters.
— Present alternative solutions for a continuous and sustainable water service.
— Seek interested organizations or international technical cooperation that support social water projects.</td></tr>
</table>

<table>
<tr><td></td><td></td><td></td><td></td><td>— Modeling to optimize growing areas and irrigation volumes
— Work meetings between users and design of adequate training that translates into efficient management and probable water savings</td></tr>
<tr><td>1.7</td><td>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.</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>1.7.1</td><td>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.</td><td>☒</td><td>☐</td><td>It was observed that the organization has a Water Risks Matrix - Olmos, revision01, revised to 03-Apr-21 where the following risks have been identified:
— RH-OLMOS-01 - El Niño phenomenon.
— RH-OLMOS-02 - Floods.
— RH-OLMOS-03 - Avalanches or landslides.
— RH-OLMOS-04 - Maintenance free drain drains.
— RH-OLMOS-05 - Reduced capacity of the El Limón dam.
— RH-OLMOS-06 - Conflicts due to water inequality between stakeholders.

For each of the risks analysed, a priority has been assigned, which is recognized through the terms HIGH (3 of the 6 risks have this identification) and MEDIUM (3 of the 6 risks have this identification).
The matrix also shows the use of criteria such as Impact, Impact Scale and Probability to determine its materiality; From this evaluation the following scores are assigned:

Figure N ° 1.7.1.1
Qualification
Impact Probability
<table><tr><th>IMPACTO</th><th>VALOR NUMERICO</th><th>DESCRIPCIÓN</th></tr><tr><td>CATASTRÓFICO</td><td>5</td><td>Si se produce el riesgo el proyecto puede fracasar. Influye directamente en los objetivos</td></tr><tr><td>MAYOR</td><td>4</td><td>Impacto medio-alto. Impacto mayúsculo. Posibles pérdidas.</td></tr><tr><td>MODERADO</td><td>3</td><td>Acciones de mitigación son suficientes. Pérdidas asumibles</td></tr><tr><td>MENOR</td><td>2</td><td>Impacto bajo. Muy asumible.</td></tr><tr><td>INSIGNIFICANTE</td><td>1</td><td>Inapreciable. Las acciones de mitigación absorben completamente las consecuencias del riesgo.</td></tr></table>
See EL-OBS3: Consider reviewing the determined results for potential costs and business impact (ref.: column "impact on budget")</td></tr>
<tr><td>1.7.2</td><td>Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.</td><td>☒</td><td>☐</td><td>It was possible to show that the organization has identified opportunities related to water; these opportunities have been documented in the Opportunity Matrix, revision 01, updated as of 09-Sep-21.
As part of the identified opportunities, the following may be referred to:
— Know the capacity of the aquifer, of the real levels of extraction of water from the subsoil, show the aquifer reserves, know its recharge mechanisms.
— Verify the quality of the water system used by Pampa Baja farm so that it can be replicated in companies</td></tr>
</table>

				— It allows sharing with other users the technology for optimizing water turbidity and ensuring the useful life of the different elements of the technician irrigation system. — Produce a by-product (organic matter) that was previously discarded and, based on the new system with biodigesters, allows its incorporation for the improvement of soils and green areas.
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.	☒	☐	It was possible to show that the organization has identified the following as best practices for the governance of the account: — Continue with the disclosure of water use and water quality data: in this first phase, our water consumption and quality reports were sent to financial entities (Banks FMO and IDB), and will progressively be disclosed through our page web usage and quality data for all relevant stakeholders. — The dissemination of our Sustainable Water Management Plan that is being implemented, reviewed and updated routinely; within this it is considered: — Engage with interested organizations (Pro-Olmos) to promote sustainable water management through the formation of the groundwater users board and participating in the ethical-social evaluations that are proposed (ETI and SMETA standards). To demonstrate the management of these best practices, the following documented information was reviewed: — Manual for Sustainable Water Management, revision01, issued on 02-Jul-21. — Certificates (various) on the management of water resources, generated in the month of Sep-21. — Record of the Training Act, with the development of the course Sustainable Management of Water Resources, with code 21-1445 of 21-Sep-21 with a total duration of 1.5 hours. — Mail addressed to various interested parties dated 11-Oct-21 where the campaign "every drop counts" is communicated Figure N ° 1.8.1.1 Bell Every drop counts 
1.8.2	Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.	☒	☐	It was possible to show that the organization has practices associated with water balance through activities such as: — Installation of an efficient water system. — Technical support through DELAWARE software.

				— Training for workers and the nearby population of the Pañalá village on how to improve efficiency in the work they do and in basic daily activities.
1.8.3	Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.	☒	☐	It was observed that the organization has best practices for water quality. The following detail is reviewed: 1. At present there is no operator in charge of monitoring and managing groundwater in the "Valle Nuevo" Hydraulic Sector, it is therefore that collaborating with the formation of the groundwater users board of this sector will allow us perform the following activities: — Mapping of salinity and physicochemical characteristics of the underground water hydraulic sector. — Regulation, extraction, and distribution of groundwater. — Measurement of the phreatic level of the basic parameters of the quality and volumes of underground water exploitation. 2. Within our agricultural operation we have implemented a new dredging system for cleaning the accumulated sludge in the reservoirs, it is based on a floating barge, four floats, discharge hose, buoys and the electric pump; the articulated hose extracts the sludge from the bottom, without damaging the waterproofing and without the need to empty or stop the irrigation operation. In this way, avoiding emptying the entire reservoir for cleaning, reducing labor and water consumption, optimizing our operations. 3. Implement a treatment system for domestic wastewater through the installation of self-cleaning biodigesters, through a process of retention and anaerobic septic degradation of organic matter, obtaining the following benefits: — Ecological solution, since it uses an anaerobic process to carry out a primary treatment of the water. — Hygienic, prevents the existence of sources of infection. — Sustainable, it takes care of the environment by reducing soil and water pollution. — It does not need chemicals; this system does not need generators or bacteria accelerators. 4. Optimize the surface water treatment system that we receive from the Irrigation project, allowing us to share the technology for optimizing water turbidity with other users and ensure the useful life of the different elements of the modernized irrigation system. All the users of the special project elmos-tinajones have their systems for the treatment of soluble solids and elimination of very high-water turbidity.
1.8.4	Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.	☒	☐	It was possible to show that the organization has identified as best practices: — The implementation of a drainage system that will protect and mitigate future floods; that is why the implementation of an artificial drainage system on the site is considered an important area related to water. In this type of maintenance, the following activities will be observed:

<table>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>
— Rain drainage boxes have been designed hydraulically to evacuate the necessary water in a climatic event or phenomenon.

Figure N ° 1.8.4.1
Artificial Drainage System

— Cleaning, profiling, and de-clogging

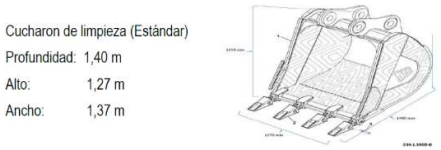
Figure N ° 1.8.4.2
Maintenance Infrastructure


Figure N ° 1.8.4.3
Cleaning - Profiling - De-clogging


</td>
</tr>
<tr>
<td>1.8.5</td>
<td>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</td>
<td>☒</td>
<td>☐</td>
<td>
It was observed that the organization has determined as best practices related to WASH, the following:
— Safe drinking water for workers and hygienic services with all the facilities (laundries, showers, toilets).
— Restrooms (portable) in the field, accessible to all company personnel, suppliers and visitors who enter our facilities.
— Drinking water is accessible at different points, including to field personnel who are supplied with units designated in each work group.
— Training on good hygiene and water use practices; also with our collaborators.
</td>
</tr>
</table>

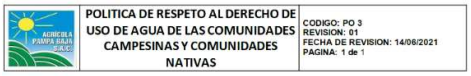
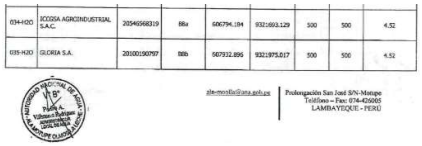
Clause	Details	Yes	No	Comments / Evidence
2	**COMMIT AND PLAN**			
2.1	**Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.**	-	-	-
2.1.1	A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments: — 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.	☒	☐	It was possible to verify that the organization has the document Pampa Baja's Commitment to Sustainable Water Management, revision02, updated as of Jun-14-21; document that is presented as evidence of compliance with the declaration or signed document. The text of the revised document includes the following elements: 1. Work to achieve water efficiency (…) 2. Implement and disseminate the progress of the Water Management Plan (…) 3. Implement the AWS standard (…) 4. Involvement of interested parties (…) 5. Allocation of resources (…) 6. Public report (…) Additionally, it was observed that this document has the signature of Mr. Juan Carlos Paredes - General Manager of Pampa Baja Farm Figure N ° 2.1.1.1 Part Text Pampa Baja Commitment  COMPROMISO DE PAMPA BAJA CON LA GESTIÓN SOSTENIBLE DEL AGUA FIRMADO Y DIVULGADO VIRTUALMENTE EL 30 DE OCTUBRE DE 2020 Pampa Baja reconoce que en el largo plazo el éxito del sector se basa en una efectiva gestión sostenible del agua en la cuenca de su producción agrícola, considerando que requerirá que se establezcan ciertas disposiciones; en primer lugar, ser embajadores del acceso universal al agua, priorizar que los ecosistemas puedan funcionar y, finalmente, propiciar el uso eficiente del agua para fines de uso agrícola e industrial. 5. Asignaremos recursos para implementar el Estándar AWS en nuestra operación en Olmos. 6. Reportaremos públicamente, en una base regular, el progreso del cumplimiento de este compromiso. Suscribe el Sr. Juan Carlos Paredes, Gerente de General de Pampa Baja Juan Carlos Paredes Gerente General - Agricola Pampa Baja Figure N ° 2.1.1.2

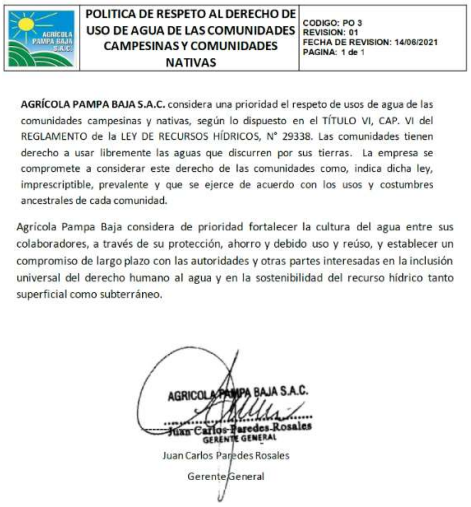
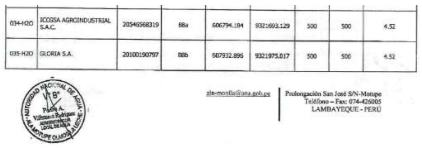
				Electronic Disclosure  During the tour and interviews with internal stakeholders, they learn about the commitment to AWS. the commitment is evidenced published and within inductions contractor care and visits with water. There is also a training program that includes AWS. In the case of external stakeholders (Agrovision) if they know the commitment of the company regarding water, since this company is also involved in implementing AWS and the organization is leading the formation of a water board in the area. In the case of external stakeholders (community) indicate that they are in talks with the company continuing support and received a talk Water Management.
2.2	**Develop and document a process to achieve and maintain legal and regulatory compliance.**	**-**	**-**	**-**
2.2.1	The system to maintain compliance obligations for water and wastewater management shall be identified, including: — Identification of responsible persons/positions within facility organizational structure Process for submissions to regulatory agencies.	☒	☐	There is a procedure PGA 5 PROCEDURE FOR IDENTIFICATION OF ASPECTS AND EVALUATION OF ENVIRONMENTAL IMPACTS rev.01 and APGA 5.0 Interpretation and Evaluation of Legal Compliance EMS. The identification is indicated is made by various managers. There is the matrix INTERPRETATION AND EVALUATION OF ENVIRONMENTAL LEGAL COMPLIANCE Norms such as: — Water Resources Law - Law 29338 — Regulation of the Water Resources Law — Law N ° 30157 - Law of the Organizations of Water Users — LEGAL RULE - JEFATURAL RESOLUTION N ° 007-2015-ANA — DS_004-2017-MINAM - Environmental Quality Standards (ECA) for Water approved — DS_031-2010-DIGESA - Regulation of Water Quality for Human Consumption — Legislative Decree No. 613: Code of the Environment and Natural Resources. — "Legislative Decree N 1278 Legislative Decree that approves the law of integral management of solid waste." — "DS: N ° 030-98-EM: Regulation for the commercialization of Liquid Fuels and other products derived from Hydrocarbons" — "DECREE LAW Nº 17752: Approve the General Water Law" — "LAW 29338: Law of Water Resources and its Regulations."

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.	☒	☐	It was possible to observe that the organization has identified a strategy for sustainable water management, document Manual for Sustainable Water Management is reviewed, revision01 issued on 02-Jul-21 where it is defined: **Mission** — Bring agricultural products to a global base, with the highest levels of quality, providing a better quality of life and good returns for our consumers, employees, partners, suppliers and the community. **Vision** — Build the best agribusiness, with a global presence, with the best people, each one committed to meeting the requirements of the most demanding markets every day and managing the proper use and destination of water. **General objectives** 1. Governance: Work hand in hand with relevant stakeholders to achieve sustainable water management in the basin, doing so with responsibility and transparency. 2. Water balance: Search and propose measures to ensure the water balance of the site and the basin, using the best practices and technology for the good management of the resource. 3. Adequate water quality: Caring for, preserving and maintaining the quality of the water promoting the care of the water that enters our operations and the appropriate management of effluents. 4. Protection of important areas related to water: Use water in a responsible and sustainable way to protect the needs of the natural environment, through actions and awareness in the community. 5. Drinking water, sanitation and hygiene: ensure that all company employees have access to quality drinking water and sanitation in our operations, in the quantity and opportunity necessary, in an adequate and permanent manner, and contribute to reducing the gaps in water and sanitation in the community.
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	☒	☐	It was possible to show that the organization has an AWS Management Plan - Fundo Olmos, revision01 where elements of: — Measurement associated with% compliance. For example: % of compliance in training; > 50%. — Measures to achieve it, through action measures. For example: Design and implementation of the awareness plan (…). — Terms established between Short, Medium and Long Term. — Budget. A total investment amount for the fulfillment of the measures for US $ 150M (estimated value) — Responsible parties, as head of SGI; Agricultural Operations Manager, Irrigation and Fertilization Coordinator, among others.

	help address shared water challenges and the AWS outcomes			
2.4.1	**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.	☒	☐	It was observed that the organization has identified as a water risk: — Earthquake. — Tsunami. — Mass movement. — Rain floods. It was possible to show that the organization has a Plan to Mitigate or Adapt to the Water Risks Identified in the DRM Plan - Lambayeque Regional, revision01, issued on 02-Jul-21. Within this plan you can see the planning of actions such as: — Analysis of exposure to identified hazards. — Actions to respond to the observed incidents. — Responsible — Means.

Clause	Details	Yes	No	Comments / Evidence
3	**IMPLEMENT**			
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.	☒	☐	It was possible to show that the organization has identified two challenges related to good governance on the site: 1. Conformation of the groundwater users board of the place where the project is located. For this challenge, the organization presents to the interested party Pro-Olmos a study that delimits the underground water hydraulic sector in the district of Olmos, province and department of Lambayeque. Emails generated dated 12-Mar-21. 2. Participation in the event Water & Sustainability Expo - Mechanisms for the participation of private companies in water and sanitation projects, held on Oct-20. Figure N ° 3.1.1.1 Signature of Commitment Agrícola Pampa Baja S. A. C.  The authorization of the ANA authority of the Hydraulic sector of the Valle Nuevo area, which includes the Zapallal aquifer, has been obtained. Progress in the registration of the User Board with the hydraulic sector is evidenced. The water committee for irrigation of the area of the users belonging to ProOlmos is evidenced with the concessionaire of the H2OOlmos project
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.	☒	☐	It was observed that the organization shows its commitment to show that it respects the water rights of other people (Stakeholders) through the following measures: — Current permits for the controlled use of its surface waters. — Current permits for the controlled use of its groundwater. — Definition of those responsible for the control of well water consumption; communication report to members of the water model; and the review and formulation of reports and reports to the competent water authority. Figure N ° 3.1.2.1 Politics Respect for the Right to Use Water

				 POLITICA DE RESPETO AL DERECHO DE USO DE AGUA DE LAS COMUNIDADES CAMPESINAS Y COMUNIDADES NATIVAS CODIGO: PO 3 REVISION: 01 FECHA DE REVISION: 14/06/2021 PAGINA: 1 de 1 **AGRÍCOLA PAMPA BAJA S.A.C.** considera una prioridad el respeto de usos de agua de las comunidades campesinas y nativas, según lo dispuesto en el TÍTULO VI, CAP. VI del REGLAMENTO de la LEY DE RECURSOS HÍDRICOS, N° 29338. Las comunidades tienen derecho a usar libremente las aguas que discurren por sus tierras. La empresa se compromete a considerar este derecho de las comunidades como, indica dicha ley, imprescriptible, prevalente y que se ejerce de acuerdo con los usos y costumbres ancestrales de cada comunidad. Agrícola Pampa Baja considera de prioridad fortalecer la cultura del agua entre sus colaboradores, a través de su protección, ahorro y debido uso y reúso, y establecer un compromiso de largo plazo con las autoridades y otras partes interesadas en la inclusión universal del derecho humano al agua y en la sostenibilidad del recurso hídrico tanto superficial como subterráneo. AGRICOLA PAMPA BAJA S.A.C. Juan Carlos Paredes Rosales GERENTE GENERAL Juan Carlos Paredes Rosales Gerente General Figure N ° 3.1.2.2 Authorization of Use of Wells  There are no indigenous peoples in the area
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.	☒	☐	There is PGA 5 PROCEDURE FOR IDENTIFICATION OF ASPECTS AND EVALUATION OF ENVIRONMENTAL IMACTS Rev 01 and APGA 5.0 Interpretation and Evaluation of Legal Compliance EMS. The identification is indicated is made by various managers. There is the matrix INTERPRETATION AND EVALUATION OF LEGAL ENVIRONMENTAL COMPLIANCE where compliance monitoring is carried out Evaluated Cases — Payment receipt set.2021 for surface water from H2O Olmos for C8. Of 638729 m3. — License No. RD 351-2021-ANA-AA of 02/19/2021 is reviewed for the extraction of Well 1,2,3,4 of Block C8. — ICOSERGE's June 2021 environmental monitoring of air, noise, water and soil quality is reviewed in line with the environmental instrument — The monitoring of groundwater in stations 1,3,4,5,6,7,8 and reservoirs is reviewed and its comparison with the quality of water category 3 (irrigation) and 1 (human consumption) and ECA; which are within regulatory limits — Monitoring of drinking water treatment plant for human consumption –

				— Certificate N ° 0197-21 RESITER SCH for suction and transport service until the final disposal of non-hazardous liquid waste. From 07.01.21. — Certificate N ° 0238.21 RESITER SCH for the cleaning and maintenance service of portable toilets from 01-31.07.21. The final disposal in the security landfill of ARE Yaku Pacha SAC.
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.	☒	☐	It was observed that the organization shows its commitment to show that it respects the water rights of other people (Stakeholders) through the following measures: — Current permits for the controlled use of its surface waters. — Current permits for the controlled use of its groundwater. — Definition of those responsible for the control of well water consumption; communication report to members of the water model; and the review and formulation of reports and reports to the competent water authority. Figure N ° 3.2.2.1 Politics Respect for the Right to Use Water  POLITICA DE RESPETO AL DERECHO DE USO DE AGUA DE LAS COMUNIDADES CAMPESINAS Y COMUNIDADES NATIVAS CODIGO: PO 3 REVISION: 01 FECHA DE REVISION: 14/06/2021 PAGINA: 1 de 1 **AGRÍCOLA PAMPA BAJA S.A.C.** considera una prioridad el respeto de usos de agua de las comunidades campesinas y nativas, según lo dispuesto en el TÍTULO VI, CAP. VI del REGLAMENTO de la LEY DE RECURSOS HÍDRICOS, N° 29338. Las comunidades tienen derecho a usar libremente las aguas que discurren por sus tierras. La empresa se compromete a considerar este derecho de las comunidades como, indica dicha ley, imprescriptible, prevalente y que se ejerce de acuerdo con los usos y costumbres ancestrales de cada comunidad. Agrícola Pampa Baja considera de prioridad fortalecer la cultura del agua entre sus colaboradores, a través de su protección, ahorro y debido uso y reúso, y establecer un compromiso de largo plazo con las autoridades y otras partes interesadas en la inclusión universal del derecho humano al agua y en la sostenibilidad del recurso hídrico tanto superficial como subterráneo. AGRICOLA PAMPA BAJA S.A.C. Juan Carlos Paredes Rosales GERENTE GENERAL Juan Carlos Paredes Rosales Gerente General Figure N ° 3.2.2.2 Authorization of Use of Wells  Prolongación San José S/N-Motupe Teléfono – Fax: 074-426005 LAMBAYEQUE - PERÚ There are no indigenous towns in the area
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.	☒	☐	It was possible to show that the organization presents, in the document Manual for Sustainable Water Management, revision01 issued on 02-Jul-21, a detail is presented with the status of compliance with the objectives on water balance; however, the status of compliance with the observed objectives is not consistent with the expected result in the performance evaluation; for instance:

				— Strengthen the environmental culture (saving and efficient use of water) in 100% of the company's staff and population close to our operations. — Train key personnel (Headquarters) on the AWS Standard. Both objectives are measured (measurement tools) based on the% of execution of the training program; and the number of visits made to nearby towns; however, the detail of the compliance status is presented with the phrase “in process”. **See EL-OBS4:** Consider reviewing the criteria used to measure the status of compliance with the objectives and the information described in the Water Management Plan in the variable “measurement tools”. The following documented information is reviewed: — Report on visit to the Pañalá farmhouse - N ° 53-2021-APBSAC / SIG generated on 14-Sep-21. — Report on Maintenance and Projects APB.SAC - N ° 0013/2021 generated on 17-Apr-21. — Report on the Situation of the Irrigation and Fertigation System of the Agro-industry Pampa Baja Company Farm - N ° 001 generated on 08-Mar-21. The record is kept "FERTIMETER READING" and "HYDROMETER AND HOROMETER READINGS AT 10-14-21" where the amount of irrigation water, water for fertilization, is monitored. So, there are also records "". In addition, the amount of water is monitored with respect to the water permits granted. During the tour it is verified that wells, reservoirs and fertilization modules have flow meters / femtometers and the organization indicates that they have a maintenance and calibration program. Cases: — Well No. 05 is verified along the way. Caudalimetos Case 14-150023240 — Reservoir 1 is verified. Femtolitre case 21495 — Maintenance is reviewed: Report N ° 0005-2020 of December 2020 maintenance of well pumping equipment and equipment in the site's reservoirs **See FV-OBS3:** Although the records of water balance and controls of training, irrigation, fertilization are evidenced, not all the inputs and outputs of the system are included. This is oriented to demand vs. supply per campaign **See FV-OBS4:** It is observed that there is 01 meter that has not yet passed calibration; however, it is observed that it is in process within the program.
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.	☒	☐	It was possible to show that the organization shows an efficiency program in the use of water (consumption of the site, its activities and production processes); these efficiency actions are: — Conduction - adduction. — Storage - reservoir. — Conduction - irrigation system. — Application in the irrigation system. The monitoring established by the organization shows a percentage advance equivalent to 98% of compliance with the emergency items. Figure N ° 3.3.2.1

<table>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>
Efficiency
Irrigation Water Consumption
<table>
<tr><th colspan="6">CÁLCULO Y SUSTENTO DE EFICIENCIAS DE APLICACIÓN Y CONDUCCIÓN DE AGUA DE RIEGO</th></tr>
<tr><th>DESCRIPCIÓN DE EFICIENCIAS</th><th>EVAPORACIÓN (Ev)-mm/día</th><th>ALMACENAMIENTO (m3)</th><th>TIPO DE MATERIAL EN RECUBRIMIENTO</th><th>EFICIENCIA N(%)</th><th>OBSERVACIONES</th></tr>
<tr><td>Eficiencia de conducción- Aducción</td><td>–</td><td>–</td><td>Tubería PVC</td><td>100%</td><td>No se consideran pérdidas por que la conducción es por tuberías PVC</td></tr>
<tr><td>Eficiencia de almacenamiento-Reservorio</td><td>6.575342466</td><td>25,000.0</td><td>Geomembrana HDPE</td><td>99.75%</td><td>Para el cálculo se ha consultado a bibliografía-FAO Riego y Drenaje-Pag.82</td></tr>
<tr><td>Eficiencia de conducción-sistema de riego</td><td>–</td><td>–</td><td>Tubería PVC</td><td>100%</td><td>No se consideran pérdidas por que la conducción es por tuberías PVC</td></tr>
<tr><td>Eficiencia aplicación sistema de riego</td><td>–</td><td>–</td><td>–</td><td>95%</td><td>Evaluaciones de CU% y monitoreo de humedad mediante sensores.</td></tr>
<tr><td colspan="4">Efiencia total de neta</td><td>95%</td><td></td></tr>
</table>
NOTA: Los datos de humedad relativa se han obtenido de acuerdo a la estación de verano con HR>70%

Figure N ° 3.3.2.2
Filtration and fertigation system

</td>
</tr>
<tr>
<td>3.3.3</td>
<td>Legally binding documentation, if applicable, for the re-allocation of water to social, cultural, or environmental needs shall be identified.</td>
<td>☒</td>
<td>☐</td>
<td>
It was observed that the organization has identified the legally binding documents for the allocation of water (consumption) to ensure the social, cultural and environmental use of the site's water:
— Current permits for the controlled use of its surface waters.
— Current permits for the controlled use of its groundwater.

Figure N ° 3.3.3.1
Authorization of
Use of Wells
<table>
<tr><td>034-H2O</td><td>ICOGSA AGROINDUSTRIAL S.A.C.</td><td>20546568319</td><td>B8a</td><td>606794.184</td><td>9321693.129</td><td>500</td><td>500</td><td>4.52</td></tr>
<tr><td>035-H2O</td><td>GLORIA S.A.</td><td>20100190797</td><td>B8b</td><td>607932.896</td><td>9321975.017</td><td>500</td><td>500</td><td>4.52</td></tr>
</table>
Prolongación San José S/N-Motupe
Teléfono – Fax: 074-426005
LAMBAYEQUE - PERÚ

There are water authorizations for H2Olmos from surface water. Said project must grant an ecological volume to the communities.
</td>
</tr>
<tr>
<td>3.4</td>
<td>Implement plan to achieve site water quality targets.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3.4.1</td>
<td>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</td>
<td>☒</td>
<td>☐</td>
<td>
It was possible to show that the organization presents, in the document Manual for Sustainable Water Management, revision01 issued on 02-Jul-21, a detail is presented with the status of compliance with the water quality objectives.
— Automate the process that intervenes in the treatment of surface water entering the Pampa Baja operations, through a supply network assisted by electric injectors, mixers and dosing pumps.
— Measure the turbidity level of the APB water inlet. Both objectives are measured (measurement tools) based on Checking each component of the sediment treatment system; and, periodically verify the sediment content of the water treated with the new system and compare it with the previous system.

Figure N ° 3.4.1.1
</td>
</tr>
</table>

<table>
<tr><td></td><td></td><td></td><td></td><td>Compliance status
Water quality
<table><tr><th>Metas</th><th>Acciones</th><th>Estado</th></tr><tr><td>Optimizar el sistema de tratamiento del agua superficial que llega al predio APB.</td><td>►Recopilación de datos de consumo de productos utilizados para el tratamiento de agua superficial.
► Evaluación y presentación de informe técnico para automatización.
► Ejecución de la red de abastecimiento.
► Pruebas de automatización en Zona de Floculación del Reservorio 3 (Semana 35).</td><td>En proceso</td></tr></table>
Monitoring of water intake is carried out. In addition to having the water treatment plant if an annual monitoring is requested by the drinking water legislation.
ICOSERGE's June 2021 environmental monitoring of air, noise, water and soil quality is reviewed in line with the environmental instrument
The monitoring of groundwater in stations 1,3,4,5,6,7,8 and reservoirs is reviewed and its comparison with the quality of water category 3 (irrigation) and 1 (human consumption) and ECA; which are within the regulatory limits Monitoring of water treatment plant for human consumption.
For wastewater, the
Certificate N ° 0197-21 RESITER SCH for suction and transport service until the final disposal of non-hazardous liquid waste. From 07.01.21.
Certificate N ° 0238.21 RESITER SCH for the cleaning and maintenance service of portable toilets from 01-31.07.21. The final disposal in the security landfill of ARE Yaku Pacha SAC.</td></tr>
<tr><td>3.4.2</td><td>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.</td><td>☒</td><td>☐</td><td>There is a water quality challenge for the communities, since it is indicated that they have concentrations of Ar.

ICOSERGE's June 2021 environmental monitoring of air, noise, water, and soil quality is reviewed in line with the environmental instrument
The monitoring of groundwater in stations 1,3,4,5,6,7,8 and reservoirs is reviewed and its comparison with the quality of water category 3 (irrigation) and 1 (human consumption) and ECA; which are within the regulatory limits Monitoring of water treatment plant for human consumption.</td></tr>
<tr><td>3.5</td><td>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>3.5.1</td><td>Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.</td><td>☒</td><td>☐</td><td>There is a process of reforestation of endemic Casuarinas and HUARANGILLO plants. The excel for monitoring the percentage of reforestation in the various areas (borders) of Pampa Baja is reviewed. There is 83% progress in stage 1 and 100% in stage 2. Reforestation lines (curtains) are verified along the way</td></tr>
<tr><td>3.6</td><td>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.</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>3.6.1</td><td>Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and</td><td>☒</td><td>☐</td><td>Site There is control of drinking water and wastewater from SSSHH and Canteens. It is reviewed</td></tr>
</table>

	protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.			— Monitoring of water treatment plant for human consumption Compliant parameters — The provision of chemical toilets by a third company is evidenced. They have Certificate N ° 0197-21 RESITER SCH for suction and transport service until the final disposal of non-hazardous liquid waste. From 07.01.21. — Certificate N° 0238.21 RESITER SCH for the cleaning and maintenance service of portable toilets from 01-31.07.21. The final disposal in the security landfill of ARE Yaku Pacha SAC. — Cuenca: REPORT N ° 53-2021-APBSAC / SIG is reviewed, which shows the visit to the village "Pañalá and carry out training on Measures against COVID19 and a COVID19 Kit
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.	☒	☐	Site There is control of drinking water and wastewater from SSSHH and Canteens. It is reviewed — Monitoring of water treatment plant for human consumption Compliant parameters — The provision of chemical toilets by a third company is evidenced. They have Certificate N ° 0197-21 RESITER SCH for suction and transport service until the final disposal of non-hazardous liquid waste. From 07.01.21. — Certificate N° 0238.21 RESITER SCH for the cleaning and maintenance service of portable toilets from 01-31.07.21. The final disposal in the security landfill of ARE Yaku Pacha SAC. — Cuenca: REPORT N ° 53-2021-APBSAC / SIG is reviewed, which shows the visit to the village "Pañalá and carry out training on Measures against COVID19 and a COVID19 Kit
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.	☐	☒	**Minor Nonconformity** It was observed that the organization has quantified the achievement of the indirect use of water objectives; the report of the Sustainable Water Management Manual, revision01, issued on 02-Jul-21 is reviewed, specifying the values determined for the transport provider in its activity per M3 consumed "water consumption in transport washing"; However, this report does not include the quantification of water consumption for the "food consumption" activity; not complying with what is determined in requirement 3.7.1 where it is specified that the organization must quantify the achievement of the objectives in the indirect use of water. **FINDING 3.7.1 - INDIRECT USE OF WATER IN THE BASIN.**
3.7.2	Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment because of the site's engagement related to indirect water use, shall be identified.	☒	☐	In accordance with the planning determined by the organization, to make its stakeholders aware of the water management system, the suppliers - contractors are in the induction process. Attendance Record corresponding to the month of Oct-21 is reviewed.
3.8	**Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.**	-	-	-
3.8.1	Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.	☒	☐	Throughout the audit process, several elements could be evidenced that allow identifying the efforts and initiatives carried out by the organization with all its stakeholders.

				Graph N ° 3.8.1.1 Material used for diffusion 
3.9	**Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.**	**-**	**-**	**-**
3.9.1	Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.	☒	☐	To demonstrate the management of these best practices, the following documented information was reviewed: — Manual for Sustainable Water Management, revision01, issued on 02-Jul-21. — Certificates (various) on the management of water resources, generated in the month of Sep-21. — Record of the Training Act, with the development of the course Sustainable Management of Water Resources, with code 21-1445 of 21-Sep-21 with a total duration of 1.5 hours. — Mail addressed to various interested parties dated 11-Oct-21 where the campaign "every drop counts" is communicated Figure N ° 1.8.1.1 Bell Every drop counts 
3.9.2	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.	☒	☐	Activities observed on site visit: — Installation of an efficient water system. — Technical support through DELAWARE software. — Training for workers and the nearby population of the Pañalá village on how to improve efficiency in the work they do and in basic daily activities.
3.9.3	Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.	☒	☐	Activities observed on site visit: — Mapping of salinity and physicochemical characteristics of the underground water hydraulic sector. — Regulation, extraction, and distribution of groundwater. — Measurement of the phreatic level of the basic parameters of the quality and volumes of underground water exploitation.

				— Ecological solution, since it uses an anaerobic process to carry out a primary treatment of the water. — Hygienic, prevents the existence of sources of infection. — Sustainable, it takes care of the environment by reducing soil and water pollution. — It does not need chemicals; this system does not need generators or bacteria accelerators.
3.9.4	Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.	☒	☐	Activities observed on site visit: — Rain drainage boxes have been designed hydraulically to evacuate the necessary water in a climatic event or phenomenon. — Cleaning, profiling, and de-clogging
3.9.5	Actions towards achieving best practice related to targets in terms of WASH shall be implemented.	☒	☐	Activities observed on site visit: — Safe drinking water for workers and hygienic services with all the facilities (laundries, showers, toilets). — Restrooms (portable) in the field, accessible to all company personnel, suppliers and visitors who enter our facilities. — Drinking water is accessible at different points, including to field personnel who are supplied with units designated in each work group. — Training on good hygiene and water use practices; also with our collaborators.

Clause	Details	Yes	No	Comments / Evidence
4	**EVALUATE**			
4.1	**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.**	-	-	-
4.1.1	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.	☒	☐	It was possible to show that the organization has an AWS Management Plan - Fundo Olmos revision01 issued to 12-Jul-21 where the organization in addition to determining each of the challenges and its sustainable management objectives assesses the performance and determines the value generated by each goal achieved (or approximated) for each objective. For instance: — Support the creation of a Board of Users committed to the Sustainability of the Underground Water Resource, who has two associated objectives: 1. Avoid over-exploitation of the aquifer by registering with the AAA of Piura in the formation of the users' council. AND 2. Monitoring of the phreatic levels of the wells in production.
4.1.2	Value creation resulting from the water stewardship plan shall be evaluated.	☒	☐	It was possible to show that the organization has evaluated the value created by implementing its sustainable water management, the Sustainable Water Management Manual Report, revision01, issued on 02-Jul-21 is reviewed, where the following benefits are specified: — Improves the quality of life of the internal stakeholders of the site by improving the domestic wastewater treatment system. — Development of the organizational structure related to good governance on the site (Groundwater Users Board). On this value obtained, greater benefits are expected than initially planned (conformation and organization of the local water structure) — Avoid losses in the site for a value equivalent to US $ 5 4000 000.00 due to the increase in the use of groundwater.
4.1.3	The shared value benefits in the catchment shall be identified and where applicable, quantified.	☐	☒	**Minor Nonconformity** It was possible to show that the organization has planned to identify and quantify (measure) the benefits of shared value in the basin at the end of the 2021 period (December 2021) where it plans to execute the short-term goals, not complying with the provisions of requirement 4.1 .3 specifying that the organization should identify and quantify shared value benefits.
4.2	**Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.**	-	-	-

4.2.1	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.	☒	☐	During the visit to the site, it was possible to show that in the region between the years 2019 and 2021 the El Niño Phenomenon has not occurred, therefore an annual and written review of the incident or emergency incident identified for the site was not prepared. . However, the organization has a plan to respond to identified incidents or emergency incidents.
4.3	**Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.**	**-**	**-**	**-**
4.3.1	Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.	☒	☐	It was possible to show that the organization has made consultative efforts through visits to different Stakeholders: — ALA (Local Water Authority) — PRO-OLMOS — INGELBY — AGRICOLA AYALA — AGROVISION — CASERIO NEEDLE In the work sessions observed, it was possible to verify, on the Water Management Plan: — Presentation of Pampa Baja S. A. C. Farm — Operations and products APB S. A. C. — Water Management Plan, corresponding to the 2021 period. Figure N ° 4.3.1.1 Interested Parties Consulted ALA  Figure N ° 4.3.1.2 Interested Parties Consulted INGELBY  Figure N ° 4.3.1.3 Interested Parties Consulted PAÑALA 
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.	☐	☒	**Minor Nonconformity** It was possible to show that the organization has planned to modify and adapt the Water Management Plan - Olmos Site at the end of the 2021 period (December 2021); not complying with what is determined in requirement 4.4.1 where it is specified that the organization must modify and adapt the Water Management Plan. **FINDING 4.4.1 - EVALUATE AND UPDATE.**

Clause	Details	Yes	No	Comments / Evidence
5	**COMMUNICATE & DISCLOSE**			
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.	☒	☐	The Internal Stakeholders (workers) know that the person in charge is the Manager of the SIG; information that was shared through general induction processes, specific training. Attendance records were accessed and reviewed, both for inductions and trainings developed in the months of July and August 2021.
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.	☒	☐	During the interview with Stakeholder (Caserío) He indicates that with Pampa Baja they have carried out various dialogues regarding the problem of lowering the water level, and indicate that they are in coordination for an action plan in this regard and the way in which Pampa Baja can help in this problem. He also knows that he is making efforts to group those who use water from the aquifer. For the Stakeholder (Agrovision) they know that the plan - objective is that Pampa Baja is willing to support the creation of a Board of Users for which meetings have been generated in Set. both companies in this regard. Internal stakeholders (workers) know the objectives such as ensuring the operation of irrigation systems, Carrying out a comparative analysis of DELAWARE irrigation monitoring REPORT N ° 53-2021-APBSAC / SIG is reviewed, which shows the visit to the village "Pañalá and the taking of the survey to publicize AWS In addition, the EXTERNAL TRAINING PLAN is reviewed. It is verified that trainings have been taken as part of the competencies of the personnel on various topics. Cases: various topics. Cases: Maintenance of the automated irrigation system, Calculation of irrigation sheet, Programming and monitoring of irrigation "programmer Drean 02", Fertigation, Solubility and compatibility of fertilizers, Water potential of crops, Sustainable management of water resources, Identification of nutritional deficiency of plants The evidence is reviewed in the Training Act on Sustainable Management of Water Resources of 09.24.21; Irrigation maintenance from 05.13.21 **See FV-OBS5:** Consider continuing to reinforce the objectives of the AWS Plan, especially to external stakeholders such as Communities.
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.	☐	☒	The dissemination of AWS Objectives results was done internally, external dissemination is under development. **See EL-OBS5:** Consider reviewing the effectiveness of the organization's current method of disseminating results.
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.	☒	☐	During the tour and the interviews for internal stakeholders, they learn about the shared challenge of water scarcity in times of low water. In the case of external stakeholders (Agrovision) they do know the shared challenges, since that company is also involved in implementing AWS. In the case of external stakeholders (community), they indicate their needs and relevant issues, and it is indicated that they are in continuous help conversations and indicate that the aquifer is a main challenge and that it does not decrease, which is why it is to improve the control of the aquifer (in board) **See FV-OBS6:** Consider continuing to reinforce shared challenges, especially to internal stakeholders and external stakeholders such as Communities
5.4.2	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	☒	☐	It is evident in the conversation with the Stakeholders the efforts shared with other companies to form the Board of Water Users and to motivate the companies to be able to carry out the registration and touch on relevant topics such as water quotas, monitoring of well consumption, control measures , water quality monitoring, aquifer determination among others. The joint work between companies in the area and the ANA authority is evident. The involvement of municipalities and regional governments is still in process.
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.	☒	☐	The organization indicates that there are no infractions related directly to water
5.5.2	Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	☒	☐	The organization indicates that there are no infractions related directly to water
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.	☒	☐	The organization indicates that there are no infractions related directly to water

8 AWS CRITERIA FOR MULTISITE:

As an audit criterion, the AWS2.0 standard updated to December 2019 was considered.
In the following table we report information about the sites that were evaluated.

Table 8.1
Details of the sites evaluated

SUB-CODE	FARM NAME	LOCATION	ACTIVITIES	TOTAL AREA (hectares)	GPS Latitude	GPS Longitude
01	AGRICOLA PAMPA BAJA	OLMOS	Avocado cultivation	915.67	9322037,741	613998,906

9 AUDIT FINDINGS

The findings evidenced in the development of the audit process were reported to the client AGRICOLA PAMPA BAJA S. A. C., who subsequently responded to SGS Perú S. A. C. with a cause analysis and action plan for their treatment.

Detail of audit findings

- **Nonconformities**

  As a result, a total of 04 minor non-conformities, which are detailed in table 9.1

Table 9.1
Detail of
Nonconformities

No.	TYPE	REF.	DETAILS	CAUSES	ACTION PROPOSED BY CLIENT
1	Minor Nonconformity	1.5.3	AWS: Quantify the water balance of the basin (...) The organization has the quantification of the water balance of the basin that considers information from the year 2020 for the concept of agricultural demand per hectare of cultivation; the supply of the Olmos and Huancabamba rivers in 2019 resulting in a positive balance on the extraction of their underground waters; However, this balance does not include data or information on water consumption derived from the communities settled in the basin, the value of rainfall in the year (if applicable), and losses (if applicable); which does not allow to have an approximate balance of the basin under analysis. Finding N ° 1 - 1.5.3 WATER BALANCE OF THE BASIN.	In the collection of information, no bibliography has been found with data on the consumption of water in the basin by the communities and the value of rainfall. Responsible for the water balance, he has limited access to information due to lack of bibliographic data and studies carried out in the basin.	Address letters to government authorities to request information on consumption by communities, rainfall and losses in the basin.
2	Minor Nonconformity	3.7.1	AWS: Quantify Evidence That Indirect Water Use Goals Have Been Met (...) It was observed that the organization has quantified the achievement of the indirect use of water objectives; The report of the Sustainable Water Management Manual, revision01, issued on 02-Jul-21 is reviewed, which specifies the values determined for the transport provider in its activity per M3 consumed "water consumption in transport washing"; However, this report does not include the quantification of water consumption for the "food consumption" activity; not complying with what is determined in requirement 3.7.1 where it is specified that the organization must quantify the achievement of the objectives in the indirect use of water. FINDING 3.7.1 - INDIRECT USE OF WATER IN THE BASIN.	The person responsible for the collection of indirect water use did not include the information on water consumption for the activity "Food consumption" in the water consumption report. The review of the water consumption report did not detect the exclusion of consumption by the concessionaire (dining room), considering it in a separate report.	Include water consumption for the "food consumption" activity, in the water consumption report.
3	Minor Nonconformity	4.1.3	AWS: Identify and, where appropriate, quantify the benefits of shared value in the basin.	The method of interpretation does not allow to specify requirement 4.1.3. Responsible staff have not identified	Require external advice to meet requirement 4.1.3.

			It was possible to show that the organization has planned to identify and quantify (measure) the benefits of shared value in the basin at the end of the 2021 period (December 2021) where it plans to execute the short-term goals, not complying with the provisions of requirement 4.1 .3 specifying that the organization should identify and quantify shared value benefits.	and quantified shared value benefits in the watershed.	Schedule training for those responsible for implementation and heads of the AWS 2.0 standard, in order to explain the requirements of this standard. Identify and quantify valuable benefits for the watershed and / or watershed stakeholders.
4	Minor Nonconformity	4.4.1	AWS: Modify and adapt the sustainable water management plan (...) It was possible to show that the organization has planned to modify and adapt the Water Management Plan - Olmos Site at the end of the 2021 period (December 2021); not complying with what is determined in requirement 4.4.1 where it is specified that the organization must modify and adapt the Water Management Plan. FINDING 4.4.1 - EVALUATE AND UPDATE.	The method of interpretation does not allow to specify requirement 4.4.1. Responsible staff have not identified and quantified shared value benefits in the watershed.	Require external advice to meet requirement 4.4.1. Schedule training for those responsible for implementation and heads of the AWS 2.0 standard, in order to explain the requirements of this standard. Modify and adapt the Water Management Plan in the organization.

— **Observations and Opportunities for Improvement**

The certification audit carried out to AGRICOLA PAMPA BAJA S.A.C. in relation to the AWS2.0: 2019 standard allows many areas for improvement.

In this audit process, several Observations were proposed for which the development of cause analysis and action plans is not necessary; however, these items are likely to be reviewed at the next surveillance visit.

1. **EL-OBS1:** Consider reviewing the effectiveness of the challenge identified for this stakeholder (see website: https://www.h2olmos.com/proyecto_irrigacion.html)
2. **EL-OBS2:** Consider reviewing the title assigned in column “M” of the matrix under analysis.
3. **EL-OBS3:** Consider reviewing the determined results for potential costs and business impact (ref: "budget impact" column)
4. **EL-OBS4:** Consider reviewing the criteria used to measure the status of compliance with the objectives and the information described in the Water Management Plan in the variable “measurement tools”.
5. **EL-OBS5:** Consider reviewing the effectiveness of the organization's current method of disseminating results.
6. **FV-OBS1:** In the IP identification matrix the municipalities of Olmos, Jayanca that also capture water from the same Zapallal aquifer have not been considered Law 28611 General Environmental Law
7. **FV-OBS2:** Consider in the PI Identification Matrix to specify the topics of interest. Although it is based on various surveys, in these as well as in the interview carried out the relevant issue is the decrease in the water level of the wells, however in the Matrix a very general issue is placed, which would not allow focusing efforts to the specific topic
8. **FV-OBS3:** Although the records of water balance and controls of training, irrigation, fertilization are evidenced, not all the inputs and outputs of the system are included. This is oriented to demand vs. supply per campaign
9. **FV-OBS4:** It is observed that there is 01 meter that has not yet passed calibration; however, it is observed that it is in process within the program.

10. **FV-OBS5:** Consider continuing to reinforce the objectives of the AWS Plan, especially to external stakeholders such as Communities.
11. **FV-OBS6:** Consider continuing to reinforce shared challenges, especially to internal stakeholders and external stakeholders such as Communities.

The abbreviations "EL" and "FV" used in the text of the Findings correspond to the initials of the names of each member of the Audit Team assigned to this Certification Audit.

10 SUMMARY

As a summary of this certification audit process, it was possible to verify that the high commitment and effort made by the AGRICOLA PAMPA BAJA S.A.C. Work Team who managed to demonstrate the implementation and improvement of its Water Management System under the AWS2.0: 2019 Standard.

11 CONCLUSIONS AND RECOMMENDATIONS

The Audit Team that developed this process verified the implementation and maintenance of the Water Management System under the standard under analysis, for which it recommends the AWS2.0: 2019 Certification CORE level.

An annual surveillance frequency is determined for the development of the necessary follow-ups.

12 REFERENCES

1. PHASE2 Audit Plan
2. Map of the Physical Scope of the Site
3. Concerned parties
4. Information related to the water of the site
5. Letter of engagement
6. Water Management Plan
7. Collection and Discharge Water Monitoring Plan
8. Multiple AWS site logs
9. Among others