

## Alliance for Water Stewardship Assessment Report Prepared for ARENA VERDE S.A.C. PERU

Prepared by: SGS SGS Ref.: WAT-116 Version: 2 Date: 28-Oct-21

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## **REPORT DETAILS**

REFERENCE	AWS-000303							
CERTIFICATE No	SGS2021_AWS 0018							
REPORT TITLE	ALLIANCE FOR WATER STEWARDSHIP ASSESSMENT REPORT							
DATE SUBMITTED:	18-Oct-21							
CLIENT:	ARENA VERDE S.A.C. This certification covers the site — Central Lot and North Lot of Comunidad Campesina San Pedro de Morrope. Lambayeque, Morrope, Peru							
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TECHNICAL SIGNATORY								
STATUS	FINAL							
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### 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

### ARENA VERDE S.A.C. – Central Lot and North Lot of Comunidad Campesina San Pedro de Morrope. Lambayeque, Morrope, Peru

The evaluation has been carried out in compliance with the requirements of AWS Certification, Version 2, December 2019.

This visit was carried out in person and, additionally, computer tools were used in some of the stakeholder interviews.

- 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.

After the evaluation of the information presented, the site visits and the interviews carried out both in person and remotely, SGS requests that **ARENA VERDE S.A.C.** - Central Lot and North Lot of the Olmos Project demonstrate an effective treatment at 2 (two) Non-Conformities Major evidence in this verification process before obtaining the recommendation of the AWS CORE LEVEL certificate.

#### Efficacy in treating the findings of the Certification visit

As part of the certification process, in November 2021 the effectiveness verification visit of the Major Non-Conformities generated in the PHASE 2 visit was carried out.

During this visit, the audit client, in addition to presenting the actions with which it dealt with its Major Non-Conformities, requested to verify the effectiveness of its Minor Non-Conformities.

Table 9.1 of this report includes the revised Evidence with which all the Findings were closed, both the Major Non-Conformities, as well as the Minor Non-Conformities.

### 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 **ARENA VERDE S. A. C. PERU** in a single site

### ARENA VERDE S.A.C. Central Lot and North Lot. Rural Community SAN PEDRO DE MORROPE - LAMBAYEQUE - MORROPE – PERU

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

#### Asparagus cultivation

The audit process was carried out in 2 man-days from October 18 to 21. The visit included interaction with various Stakeholders, as well as the recognition of the complete infrastructure of the water cycle at the site (from the collection, use and discharge of its wastewater).

They were part of the Audit Team:

- Fanny Valencia Juscamaita Auditor & Local Expert (<u>fanny.valencia@sgs.com</u>)
- Erick López Knežević Lead Auditor (<u>erick.lopez@sgs.com</u>)

Additionally, for the closure of the Findings (major non-conformities) evidenced in PHASE 2, an additional visit was planned in which Pamela Castillo (pamelacastillo@gmail.com) participated as Auditor member of the Team, who in the In the month of December 2021, he visited the site to verify the effectiveness of the treatment of Major Non-Conformities, as well as the effectiveness of the treatment of Minor Non-Conformities, all of them were closed satisfactorily.

During the visit, we can confirm the different aspects of the sites, which are evidenced in table 2.1

Table N ° 2.1 Site Photos



Reforestation



Wash - COVID19





Fertilization Module into Reservoir No. 1



Fertilization Module into Reservoir No. 1



Fertilization Module into Reservoir No. 1



Wash: Drink Water for workers that are sent since ARENA VERDE Osmosis Plant Reservorio 1





Residual water treatment plant



Stakeholders SCHOOL 10991 CASERIO CASABLANCA – MORROPE. Help with bathrooms into school in 2019-2020 Stakeholders of CASERIO 2 PALOS - Help with weekly drinking water tanks



Help with underground water pump fix after the El Niño phenomenon in 2019 by Arena Verde -Colorado



Help with septic tank and tank into school in 2019

## ARENA VERDE S.A.C. Central Lot of the Olmos Project.



Collection and Pumping System (groundwater) Well N°02



Flow Measurement System - Well N°02



Reservoir No. 1 and Fertilization Warehouse



Fertilization Module into Reservoir No. 1.



## 3 DESCRIPTION OF THE COLLECTION AND DISCHARGE

The **ARENA VERDE S.A.C** site is located 900 kilometers from Lima, in Olmos, Department of Lambayeque, Republic of Peru, made up of 475.4 ha (hectares) dedicated to the production Asparagus with fields for agricultural production.

The geographic scope includes a single lot divided into the Central Block and the North Block of the Olmos Project, including the infrastructure for general administrative activities.

Catchment Point (s)

- Cuenca: OLMOS River.
- Sub account: EL MORRO River.
- Aquifer: EL ZAPALLAL.

Discharge point (s)

The site generates two types of wastewater:

- Domestic. Generated using sanitary facilities, food preparation and regular consumption of drinking water. These waters are temporarily stored in biodigesters, which are subsequently 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 by washing the crates where the production and subsequent packaging is transported; the residual water generated in the cleaning of its packing plant is also considered. These waters are taken to the wastewater treatment plant and later reused to irrigate its green areas.
- There are infiltration discharges that impact groundwater.

For AWS, the organization defined the catchment source: Río Olmos, Río El Morro and the El Zapayal aquifer. The water used for both administrative and (direct) productive activities comes from 16 wells of the EL ZAPALLAL aquifer. In addition, the site also receives water from the H2OImos supplier (Olmos Project) who supplies the demand generated by the site for all its activities.

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

- PVC pipes
- Water sources
- Reservoirs
- Pumping Stations
- Hydraulic valves



The site has a Commitment that includes promoting its compliance with the AWS indicators and principles (see Figure N  $^{\circ}$  3.4)

## Figure N ° 3.4 AWS commitment AGROVISION Group

AGROVISIÓN se compromete a respetar y promover el derecho humano al agua potable y reducir la carencia del agua potable y saneamiento que existe en las comunidades campesinas cercanas, participando activamente en la búsqueda de soluciones eficaces y en su ejecución. La empresa considera de prioridad fortalecer la cultura del agua entre sus colaboradores, a través de su protección, ahorro y debido uso y reuso, 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.

AGROVISION PERU SAC Aza Santillana

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

The site identified challenges shared with its Stakeholders, which are described in the Water Challenge - Olmos Initiative document, below, reference is made to those considered most important for the Audit Team:

- 1. Support by integrating the board of directors of the Board of Groundwater Users and expanding the area of the hydraulic sector.
- 2. Find a modeling specialist and use the model as a management tool.
- 3. Collaborate closely with the municipalities or those responsible for drinking water and sanitation projects.
- 4. Look for technologies such as sensors, satellite images, irrigation consultants, etc.

As Areas of Importance related to Water, the site identified its Project to afforest the Drain section of the property to prevent flooding made up of trees and perimeter vegetation that surrounds the site's lots, which has an Evaluation Report of its implementation status ( + 50% Advancement).

### 5 OBJECTIVES

The site has a sustainable water management plan, which has been developed in the document Water Management Plan – ARENA VERDE where objectives, indicators and planning are established to achieve compliance with both its objectives, as well as the goals set. for your management indicators. This document allows the monitoring, measurement, and analysis of the results in relation to the fulfillment of its objectives. A reference is made of those considered most important for the Audit Team:

- GOVERNANCE.
  - Objective: SUPPORT THE FORMATION OF A BOARD OF USERS COMMITTED TO THE SUSTAINABILITY OF GROUNDWATER. Status: 100% compliance.
- HYDRAULIC BALANCE.
  - Objective1: INCREASE TECHNICAL KNOWLEDGE FOR THE EFFICIENT MANAGEMENT OF THE WATER RESOURCE. Current status: 50% compliance.
  - Objective2: OPTIMIZATION OF THE OPERATION AND MAINTENANCE OF THE IRRIGATION AND IRRIGATION STRUCTURES. Current status: 80% compliance.
  - Objective3: OPTIMIZATION IN THE INDIRECT USE OF WATER IN THE WASHING OF SOAP AND BINS. Status: 80% compliance.
- WATER QUALITY
  - Objective: TO ESTABLISH A MONITORING SYSTEM OF THE QUALITY OF IRRIGATION WATER IN THE PREMISES AND SYSTEMATIZE DATA. Status: 80% compliance.
- PROTECTION OF AREAS RELATED TO WATER
  - Objective: FOREST THE DRAIN SECTION OF THE PREMISES TO AVOID FLOODS. Status: 60% compliance.
- WASH
  - Objective1: AFFORDABLE AND QUALITY DRINKING WATER FOR ALL FIELD PERSONNEL.
     Current status: 95% compliance.
  - Objective2: NEW WASTEWATER TREATMENT. Status: 25% compliance.

## 6 STAKEHOLDERS & PUBLIC CONSULTATION

The public announcement on the official AWS page was made on 17-Sep-21, the audit took place on 18-Oct-21, evidencing that the publication covered the time determined by AWS for the official publication of the audit, in its 1st certification visit. It was a public consultation where any interested party could participate openly. Until the preparation of this report, SGS Perú 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 the site.

Part of the public consultation process included the publication on social networks of both SGS Perú S. A. C. staff as well as ARENA VERDE S.A.C. staff.

In the previous evaluation and in the one carried out in person and remotely, no complaints, claims and sanctions related to the management of water generated by local authorities related to water were detected. In the audit process, several interviews were carried out with the purpose of confirming the relevant interests and challenges related to comprehensive water management. It was observed that the interested parties recognize the person responsible for legal compliance of the issues related to ARENA VERDE S.A.C. A reference is made of some interested parties considered important for the Audit Team:

- PRO-OLMOS
- Agricultural sector (PAMPA BAJA)
- Neighboring communities (Nils Perez)

### 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	<ul> <li>The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:</li> <li>Site boundaries.</li> <li>Water-related infrastructure, including piping network, owned, or managed by the site or its parent organization.</li> <li>Any water sources providing water to the site that are owned or managed by the site or its parent organization.</li> <li>Water service provider (if applicable) and its ultimate water source.</li> <li>Discharge points and wastewater service provider (if applicable) and ultimate receiving water body or bodies.</li> <li>Catchment(s) that the site affect(s) and is reliant upon for water.</li> </ul>			It was observed that the site has mapped its physical scope, including its boundaries; its infrastructure (partially); water sources within their production sites, as well as outside them; its discharge points and site basins. The organization is close to the MOTUPE River and Olmos River respectively. <b>Minor Nonconformity Finding:</b> North lot, which is part of the physical scope of the site consists of 7 wells. Five of them are outside the cultivation area, but within the physical reach of the basin, two of the wells are within the cultivation area; however, the pipeline infrastructure for the wells is not included within this map that describes the "reservoir entrance network" account. Additionally, the domestic wastewater of green sand is treated in Lote Norte (domestic waters of camps) by a third company, and the clarified water is arranged with a reuse to irrigate gardens. However, there is no evidence of mapping that point in the AWS Step 1.1 folder. The following maps are reviewed: Image No. 1.1.1.1 Site boundary Image No. 1.1.1.2 Site Boundary – Part2



October 28, 2021

	Identify the degree of stakeholder		<u> </u>	— Municipality of Jayanca is also within the Zapayal			
	engagement based on their level of interest and influence.			<ul> <li>aquifer</li> <li>School of the hamlets. They have other topics of interest, such as SSHH in which They have helped Arena Verde, and that may have larger reservoirs.</li> <li>SERMART for protected areas and reforestation in Arena Verde Center Lot.</li> <li>WRATH</li> </ul>			
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.			It was evident that the organization has developed a model that allows it to determine the degree of commitment and influence with its stakeholders. Management model updated to 17-May-21 is reviewed Image No. 1.2.2.1 Matrix of Influence and Commitment			
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 observed organization has plans that have allowed it to identify possible incidents related to water on site. Among the incidents observed, the "attention to disasters in the province of Lambayeque" stands out for its importance. The Disaster Risk Prevention and Reduction Plan of the Province of Lambayeque = 2019-2021 is reviewed" in force			
1.3.2	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.			Minor Nonconformity Finding: It was observed that the organization has identified and mapped a water balance for the site; however, in its analysis (data with which I carry out the determination of the balance) the amount of water recovered from the WWTP for general uses is not considered			
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.			<b>Minor Nonconformity Finding:</b> During the tour carried out on the site, the organization evidences an Excel document identified as "Water Balance 2021 AV"; this document indicates only the amount of water used for irrigation, applications, reservoir evaporation; however, in this analysis the amount of water used in fruit, infiltration, entry of drinking water from AGV among other items is not considered. Not presented as indicated by the norm income = outputs			
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			It was evident that the organization has reports and laboratory tests, both for the period 2020 and 2021 where the quality of the water from the source is evaluated; as well as the water quality of its discharges; including the water quality of the receiving body. The following records are reviewed:			

1	1	 r	
	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.		<ul> <li>Test report with official value N° AG2026533 Rev0 of Well Water N°1, generated in the month of AGU-20. Total coliforms &lt;1,8. E-coli &lt;1. Huevos de Helminto 0.</li> <li>Test report with official value N° MA2014962 Rev0 of Well Water N°1, generated in the month of AGU-20. Total Metals.</li> <li>Test report N° SA2001558 Rev0 of Well Water N°1, generated in the month of AGU-20. Several criteria.</li> <li>The organization considers an adequate water quality that allows a treatment that guarantees its use.</li> </ul>
1.3.5	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.		It was evident that the organization has determined and mapped the sources of contamination, with the location of the chemical substances used in its processes and stored on site. The location of these possible points of contamination, storage and use of chemicals is mapped for the lots: - North - Center 1 - Center 2 The points identified include the location of: - Agrochemicals, - Fuels and - Storage of hazardous and non-hazardous waste - Filter - Strings - Reservoirs - Storage area of agrochemicals (products used in the filtering, premixing, and mixing area).
1.3.6	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.		It was observed that the organization has identified and mapped its "Arena Verde forest reserve" as its important water-related area. It is an area of conservation, protection, and restoration of the dry forest of the sector where the organization is based. Image No. 1.3.6.1 Arena Verde Forest Reserve
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.		It was observed that the organization has identified the costs and revenues related to water. It was possible to verify in the document Valour deal Water Costs and Investments – GREEN SAND that the site has invested a total of US \$ 5K. Additionally, the Document Community Relations Plan was revised, in which the organization declares the determination of the social, cultural, environmental and social value of water on the site.
1.3.8	Levels of access and adequacy of WASH at the site shall be identified.		It was observed that the organization identified the levels of access and suitability of water, sanitation and hygiene (WASH) of the site. For example: the organization has: — That maintains a water supply sent by AGROVISIÓN. — Hand disinfection stations. — Bathrooms for site staff. Image No. 1.3.8.1 Dining room Image No. 1.3.8.2

				<image/>
1.4	Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.	-	-	-
1.4.1	The embedded water use of primary inputs, including quantity, quality, and level of water risk within the site's catchment, shall be identified.			It was observed that the organization identified the use of virtual water for the following primary inputs: — Fertilizers — Agrochemicals (with respect to planting); When reviewing information on the geographical location of each of the suppliers of the primary inputs, it was found that none of them are within the basin where the site is located.
1.4.2	The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.			It was observed that the organization identified the use of virtual water for the following externally contracted services: — Ambulance — Personnel transport — Catering. By reviewing information about the geographic location of ambulance, personnel transportation, container transportation service providers; are outside the account where the site is based; however, the Catering service is based within the property owned by the client who has been determined his average monthly consumption in water consumption.

1.4.3	ADVANCE INDICATOR The embedded water use of primary inputs in catchment(s) of origin shall be quantified.	-	-	ADVANCED INDICATOR – NOT APPLICABLE
1.5	Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH	-	-	-
1.5.1	Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.			<ul> <li>It was observed that the evaluated organization has identified as an initiative for the governance of water at the site:</li> <li>The project of "delimitation of the underground hydraulic sector type B".</li> <li>The donation of water to the community (nearby hamlets) called "Sembrando Vida".</li> </ul>
1.5.2	Applicable water-related legal and regulatory requirements shall be identified, including legally defined and/or stakeholder-verified customary water rights.			<ul> <li>There is a procedure for Identification, access and evaluation of legal requirements. Identification is indicated is carried out by various managers and there is a legal compliance evaluation matrix format. A List of Legal Requirements is kept - Hydric Resource.</li> <li>Norms such as:</li> <li>Water Resources Law - Law 29338</li> <li>Regulation of the Water Resources Law</li> <li>Law N ° 30157 - Law of the Organizations of Water Users</li> <li>LEGAL RULE - JEFATURAL RESOLUTION N ° 007-2015-ANA</li> <li>DS_004-2017-MINAM - Environmental Quality Standards (ECA) for Water approved</li> <li>DS_031-2010-DIGESA - Regulation of Water Quality for Human Consumption</li> </ul>
1.5.3	The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.			<ul> <li>It was evident that the organization has quantified the water balance of the Olmos River basin.</li> <li>There are two scenarios, one real and one projected: <ul> <li>Real. Which has a deficit of -36K of M<sup>3</sup> of water for consumption of the site. Current situation.</li> <li>Projected. With the contribution of the PEOT project (Special Project Olmos – Tinajones) an availability of 139K of M will be reached<sup>3</sup> of water for site consumption.</li> </ul> </li> <li>The negative difference observed in the site's water demand during the certification audit process is covered by the site's drinking water service provider, it does not mean a shortage for other sectors.</li> </ul>
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.			The auditee supports his catchment water quality through laboratory tests of the "raw water" wells. It was evident that the organization has reports and laboratory tests, both for the period 2020 and 2021 where the quality of the water from the source is evaluated; as well as the water quality of its discharges; including the water quality of the receiving body. The following records are reviewed: — Test report with official value N° AG2026533 Rev0 of Well Water N°1, generated in the month of AGU-20. Total coliforms <1,8. E-coli <1. Huevos de Helminto 0. — Test report with official value N° MA2014962 Rev0 of Well Water N°1, generated in the month of AGU-20. Total Metals.

Existing 1.5.6 1.5.6 infrastr includir exposu	ng and planned water-related iructure shall be identified, ing condition and potential		It was noted that the organization has identified the existing water- related infrastructure, as well as their status and potential exposure to external events. Document San Ricardo Report 2 – Hydraulic Design is reviewed. This project consists of optimizing the consumption of the water resource on site.
1.5.6 includir exposu	ing condition and potential		Image No. 1.5.6.1 Infrastructure
	ure to extreme events.		
			<ul> <li>It was observed that the organization has a Diagnostic Report of Indicators of Gap Rural Sector Water and Sanitation, with which it managed to identify the state of WASH services in the basin. This document was developed by the Ministry of Housing, Construction and Sanitation of Peru, which includes the following elements:</li> <li>Increase rural population access to water and sanitation services ()</li> <li>Increase the access of the urban population to water and sanitation services ()</li> <li>Creation, expansion, and recovery of the storm drainage service.</li> </ul>
The ad 1.5.7 service identifie	The adequacy of available WASH services within the catchment shall be identified.		<section-header><section-header></section-header></section-header>

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				DEPARTAMENTO	Total Población	Linea de l Poblacion con	Base 2018	Brecha (%) 1/
				的时间目的进行来自己的	Total i oblación	acceso	robibcion sin acces	5 Diecila (76) 1/
				PERU	6,770,034	4,471,070	2,298,964	34.0%
				AMAZONAS	250,355	177,854	72,50	1 29.0%
				ANCASH	424,931	347,598	77,33	3 18.2%
				APURÍMAC	226,943	205,205	21,73	7 9.6%
				AREQUIPA	142,068	101,764	40,30	4 28.4%
				AYACUCHO	280,294	243,201	37,09	3 13.2%
				CAJAMARCA	874,600	655,997	218,60	3 25.0%
				CALLAO	0			
				CUSCO	501,053	392,567	108,48	6 21.7%
				HUANCAVELICA	239.275	197,759	41.51	6 17.4%
				HUANUCO	359 298	204 501	154.79	7 42 1%
				ICA	339,298	204,301	134,75	43.1%
					99,720	78,462	21,25	0 21.3%
				JONIN	380,663	205,172	175,49	46.1%
				LA LIBERTAD	426,656	304,340	122,31	6 28.7%
				LAMBAYEQUE	258,607	173,883	84,72	4 32.8%
				LIMA	251,098	166,452	84,64	6 33.7%
				LORETO	293,759	61,732	232,02	7 79.0%
				MADRE DE DIOS	35,462	16,447	19,01	5 53.6%
				MOQUEGUA	25,757	16,023	9,73	4 37.8%
				PASCO	121,953	68,489	53,46	4 43.8%
		1		PIURA	499,022	286,956	212,06	5 42.5%
				PUNO	546,242	247,282	298,96	54.7%
				SAN MARTÍN	353,128	239,312	113.81	5 32.2%
		1		TACNA	36,316	19.595	16 77	46.0%
				TUMBES	34 793	74 698	10.09	29.0%
				UCAYALI	108 041	24,030	73 36	66.00
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					A RESIDE THE	Linea de Ba	ase 2018	WIND ST
				DEPARTAMENTO	Total Población	Poblacion con	Poblacion sin	Brocha %
					Rural	acceso	acceso	brecha 26
				PERU	6,770,034	3,092,808	3,677,226	54.3%
				AMAZONAS	250,355	107,184	143,171	57.2%
				ANCASH	424,931	238,876	186,055	43.8%
				APURÍMAC	226,943	114,187	112,756	49.7%
				AREQUIPA	142,068	82,560	59,508	41.9%
				AYACUCHO	280,294	169.079	111,215	39.7%
				CAJAMARCA	874,600	408,727	465,873	53.3%
				CALLAO	501,053	322,481	178,572	35.6%
				HUANCAVELICA	239,275	134,734	104,541	43.7%
				HUANUCO	359,298	177,578	181,720	50.6%
				ICA	99,720	57,850	41,870	42.0%
				JUNÍN	380,663	125,939	254,724	66.9%
				LA LIBERTAD	426,656	188,137	238 519	55.9%
				LAMBAYFOUF	258 607	78 731	179 876	69.6%
				LINA	258,007	10,731	1/3,870	05.0%
				LODETO	231,098	133,448	117,830	40.9%
				LORETO	293,759	83,337	210,422	71.6%
				MADRE DE DIOS	35,462	11,654	23,808	67.1%
		1		MOQUEGUA	25,757	19,584	6,173	24.0%
		1		PASCO	121,953	63,939	58,014	47.6%
		1		PIURA	499,022	177,636	321,386	64.4%
		1		PUNO	546,242	180,738	365,504	66.9%
		1		SAN MARTÍN	353,128	141,489	211,639	59.9%
		1		TACNA	36,316	22,588	13,728	37.8%
		1		TUMBES	34,793	20,707	14,086	40.5%
				UCAYALI	108,041	31,626	76,415	70.7%
	Understand current and future shared water challenges in the							
1.6	catchment, by linking the water challenges identified by stakeholders with the site's water	-	-	-				
	challenges.			It was observed t	hat the orgar	nization has	identified a	nd
1.6.1	Shared water challenges shall be identified and prioritized from the information gathered.			established priori these being: 1. Support by Groundwate sector. 2. Find a mod	ties in the sh integrating th er Users and elling special	ared challer e directive expanding ist and use	nges in the f of the Board the area of t the model a	ield of water of he hydraulic s a
				<ul><li>manageme</li><li>3. Collaborate</li><li>for drinking</li></ul>	nt tool. closely with water and sa	municipaliti	es or those i jects.	responsible

				4. Look for technologies such as sensors, satellite images, irrigation advisors, etc.				
				This information was reviewed and analysed from the document Water Challenge – Green Sand Initiative.				
1.6.2	Initiatives to address shared water challenges shall be identified.			<ul> <li>It was observed that the organization has identified the initiatives for each of the challenges identified for its sustainable water management model. These initiatives include, but are not limited to, the following activities:</li> <li>Support by integrating the board of directors and expanding the area of the hydraulic sector</li> <li>Find a modelling specialist and use the model as a management tool.</li> <li>Collaborate closely with municipalities or those responsible for drinking water and sanitation projects.</li> <li>Look for technologies such as sensors, satellite images, irrigation advisors, etc.</li> <li>This information was reviewed and analyzed from the document Water Challenge – Green Sand Initiative.</li> </ul>				
1.7	Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.	-	-	-				
1.7.1	Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs, and business impact.			It was observed that the organization has identified and prioritized its risks it faces in relation to water.         These risks are:         El Niño phenomenon. Priority assigned = 10ptos. – HIGH         Floods. Priority assigned = 10ptos. – HIGH         Avalanches or displacement of land. Priority assigned = 4ptos. – HIGH         Conflicts over water inequality. Priority assigned = 9ptos. – MEDIUM HIGH         Unsustainability of the aquifer. Priority assigned = 15ptos. – MEDIUM HIGH         For each of the identified risks, a score has been assigned that allows to demonstrate the probability and severity assigned to each of the risks.         Image 1.7.1.1         Probability         PROBABLE       5         PROBABILIDAD       VALOR NUMERICO         PROBABILIDAD       VALOR NUMERICO         PROBABILIDAD       2         PROBABILIDAD QUE OCURRA EL         RIESGO ES MUY ALTA. 95-100%         PROBABILE       2         PROBABILIDAD QUE OCURRA EL         RIESGO ES BAJA. 25-49%         IMPROBABLE       1         PROBABILIDAD QUE OCURRA EL         RIESGO ES MUY BAJA 1-24%				

					ІМРАСТО	VALOR NUMERICO	DESCRIPCIÓN	
					CATASTRÓFICO	5	Si se produce el riesgo el proyecto puede fracasar. Influye directamente en los objetivos	
					MAYOR	4	Impacto medio-alto. Impacto mayúsculo. Posibles pérdidas.	
					MODERADO	3	Acciones de mitigación son suficientes. Pérdidas asumibles	
					MENOR	2	Impacto bajo. Muy asumible.	
					INSIGNIFICANTE	1	Inapreciable. Las acciones de mitigación absorben completamente las consecuencias del riesgo.	
				Thi: Tab	s information was ble of Water Risks	s reviewed and a s – Green Sand.	nalysed from the document	
				The mon It is atte eco	e observed period nths of 2021 and about identifying ention of the signi nomic impact on	t is equivalent to 2022 forming a the probability t ficant risks, so th the operation of	one year, which includes the running year. to determine the order of nat they do not cause an the site.	
1.7.2	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.			<ul> <li>It was observed that the organization has identified the following opportunities:</li> <li>Know the sustainable volumes of exploitation.</li> <li>Decrease water consumption during harvest.</li> <li>Increase in the eco-environmental value of the area due to the restoration of hectares of the Dry Forest.</li> <li>Reuse of wastewater.</li> <li>Each of these opportunities is associated with the following projected savings: <ul> <li>Use of groundwater.</li> <li>Savings of 5% per hectare.</li> <li>Creation of a culture of protection and socio-environmental care.</li> <li>Wastewater treatment.</li> </ul> </li> </ul>				
1.8	Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.	-	-	- -	ortunidades ARE	INA VERDE.		
1.8.1	Relevant catchment best practice for water governance shall be identified.			It w ass ver	vas evident that ti sociated with wat ify advances rela Board of User: groundwater. Increase in the discharge. Cri designed.	he organization er governance, o ated to: s committed to tl The Board is cur e care of water b teria for water ca	has identified best practices of which it was possible to he sustainability of rently confirmed. oth in its use and in its are are currently being	
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 w ass adv	vas evident that ti sociated with wat vances related to Increased tech for specialists Optimize the c infrastructure. maintenance p	he organization er balance, from : nical knowledge who will impart to peration and ma There is a preve olan for the wate	has identified best practices which it was possible to verify e. It is currently in the search he technical knowledge. wintenance of the entive and corrective r infrastructure on site.	

-			
			<ul> <li>Indirect use of water. Currently, the information associated with water consumption for externally contracted services is being collected.</li> <li>Study for the efficient use of water. The service provider is currently being sought.</li> </ul>
1.8.3	Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.		<ul> <li>It was evident that the organization has identified best practices associated with water quality, from which it was possible to verify advances related to:</li> <li>Development of technologies for water purification. Currently the organization has new technologies to improve the current process of water purification on the site.</li> <li>Water quality monitoring systems. The organization currently has an on-site monitoring plan, based on its Environmental Impact Study, to ensure that its activities do not contaminate groundwater.</li> </ul>
1.8.4	Relevant catchment best practice for site maintenance of Important Water- Related Areas shall be identified.		It was evident that the organization has identified best practices associated with the catchment basin, from which it was possible to verify advances related to: — Restoration of protected areas. Currently the organization has a project on its areas of environmental interest. This project has an implementation of approximately 50% of the planned activities.
1.8.5	Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.		It was evident that the organization has identified best practices associated with the provision of WASH services, of which it was possible to verify advances related to: — Affordable drinking water. — Wastewater treatment.

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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	<ul> <li>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</li> <li>That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</li> <li>That the site implementation will be aligned to and in support of existing catchment sustainability plans</li> <li>That the site's stakeholders will be engaged in an open and transparent way</li> <li>That the site will allocate resources to implement the Standard.</li> </ul>			During the tour and the interviews for internal stakeholders, although they know the company's actions with AWS and water, there is no clear knowledge of the commitment or policy. Likewise, there is no evidence of disclosure in physical on any board or another. It is indicated that the dissemination of the policy (commitment) is through the intranet; however, not all personnel (for example harvest workers) have access to it intranet. In the case of external stakeholders (Pampa Baja ProOlmos) 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. However, in the case of external stakeholders (community, school) they indicate that they are in ongoing help conversations with the company, but they are not clear about AWS <b>Minor Nonconformity Finding:</b> There is no evidence in the AWS - 2.1 folder of the form of public disclosure of this commitment. During the audit, in none of the sites is it evident that the statement is published (murals), or in any income or some induction to the staff (for example, visiting personnel such as the auditor). During the audit it is indicated that it is in the SharePoint, but it is not publicly available, for example, for visits. Evidence: The auditor was never informed of aws's commitment nor do they have access to the company's SharePoint.
2.2	Develop and document a process to achieve and maintain legal and regulatory compliance.	-	-	-
2.2.1	<ul> <li>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</li> <li>Identification of responsible persons/positions within facility organizational structure.</li> <li>Process for submissions to regulatory agencies.</li> </ul>			<ul> <li>I here is a procedure of Identification, access and evaluation of legal requirements. It is indicated the identification is made by various managers and has a format of Matrix of evaluation of legal compliance. A List of Requisitos-Legales - Water Resource is kept.</li> <li>Standards such as:         <ul> <li>Water Resources Law - Law 29338. This document makes references to wastewater, in Title V - Water Protection; Chapter IV - Discharge of Treated Wastewater.</li> <li>Regulations of the Water Resources Act</li> </ul> </li> </ul>

2.3	Create a water stewardship strategy and plan including addressing risks (to and from the site), shared	-	-	<ul> <li>Law No. 30157 - Law on Water User Organizations</li> <li>LEGAL NORM - JEFATURAL RESOLUTION N° 007-2015- ANA</li> <li>DS_004-2017-MINAM - Environmental Quality Standards (ECA) for Water Approved</li> <li>DS_031-2010-DIGESA - Regulation on the Quality of Water for Human Consumption</li> </ul>
	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.			<ul> <li>It was observed that the organization has a strategic planning where it has been defined:</li> <li>VISION: Living in a world where water is accessible in quantity, quality and opportunity for all always.</li> <li>MISSION: To achieve the water sustainability of our operations and that of our environment with the utmost respect for nature and people.</li> <li>GENERAL OBJECTIVES: <ul> <li>Governance: achieving sustainable water management in the basin in partnership with the different stakeholders, doing so with responsibility and transparency.</li> <li>Water balance: achieve the water balance of the site and the basin using best practices and technology for good resource management.</li> <li>Adequate water quality: maintain and sustain substantially unchanged the adequate quality of water entering our operations.</li> <li>Protection of important areas related to water: promote the conservation of the environment and the sustainability of ecosystems, through actions and awareness to the community.</li> <li>Drinking water, sanitation and hygiene: ensure that all employees of the company have access to quality drinking water and sanitation in our operations, in the necessary quantity and opportunity, in an adequate and permanent way, and contribute to reducing water and sanitation gaps in the community.</li> </ul> </li> <li>Policy – Sustainable Water Management Strategy – AWS document is revised, updated to 17-Aug-21; approved and signed by the Administrative Manager of the organization</li> </ul>
2.3.2	<ul> <li>A water stewardship plan shall be identified, including for each target:</li> <li>How it will be measured and monitored</li> <li>Actions to achieve and maintain (or exceed) it</li> <li>Planned timeframes to achieve it</li> <li>Financial budgets allocated for actions</li> <li>Positions of persons responsible for actions and achieving targets.</li> <li>Where available, note the link between each target and the achievement of best practice to</li> </ul>		X	<ul> <li>It was observed that the organization has a strategic planning where it has been defined:</li> <li>GENERAL OBJECTIVES: <ul> <li>Governance: achieving sustainable water management in the basin in partnership with the different stakeholders, doing so with responsibility and transparency.</li> <li>Water balance: achieve the water balance of the site and the basin using best practices and technology for good resource management.</li> <li>Adequate water quality: maintain and sustain substantially unchanged the adequate quality of water entering our operations.</li> </ul> </li> </ul>

	2	<u>.</u>		,
	help address shared water challenges and the AWS outcomes			<ul> <li>Protection of important areas related to water: promote the conservation of the environment and the sustainability of ecosystems, through actions and awareness to the community.</li> <li>Drinking water, sanitation and hygiene: ensure that all employees of the company have access to quality drinking water and sanitation in our operations, in the necessary quantity and opportunity, in an adequate and permanent way, and contribute to reducing water and sanitation gaps in the community.</li> <li>Policy – Sustainable Water Management Strategy – AWS document is revised, updated to 17-Aug-21; approved and signed by the Administrative Manager of the organization</li> <li>Minor Nonconformity Finding:         <ul> <li>There are some objectives, which have not defined any qualifiable goal or that is related to the objective. Case:</li> <li>You don't have the goal.</li> <li>OPTIMIZATION OF THE OPERATION AND MAINTENANCE OF IRRIGATION STRUCTURES AND IRRIGATION</li> <li>OPTIMIZATION IN THE INDIRECT USE OF WATER IN THE WASHING OF SOAP AND BINS</li> <li>AFFORDABLE, PERMANENT AND GOOD QUALITY DRINKING WATER IN EACH PROPERTY - OPTIMIZING THE QUANTITY</li> <li>OF LITERS / COLLABORATOR, THE COMPANY'S DELIVERY</li> </ul> </li> </ul>
				OF DRINKING WATER.
2.4	Demonstrate the site's responsiveness and resilience to respond to water risks	-	-	•
2.4.1	A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.			It was observed that the organization has a Plan to mitigate (or adapt) to water risks, reference document analyzed Contingency Plan of GREEN SAND, revision01, updated to 20-Apr-20. This document includes emergency situations, natural disasters, suspected cases; as well as criteria for the analysis of these situations, such as: Risk and vulnerability analysis by factors Operation strategy. Emergency operational controls. Communication and response diagram. Procedures. Image No. 2.4.1.1 Risk and vulnerability analysis (excerpt)

			Riesgo	Localización	Medidas Preventivas
			Movimientos Sísmicos	Cualquier ubicación ya sea en oficinas, planta o en campo.	Señalización de las rutas de evacuación y correcta ubicación de las zonas seguras en caso de sismo. Participación en los simulacros de sismo según programación de la empresa.
			Lluvias	Cualquier ubicación ya sea en oficinas o en campo.	Instalaciones eléctricas y drenajes en óptimas condiciones, así como techos, coberturas y protecciones
			Incendios	Vigilancia Garita Oficinas Administrativas Almacenes Taller de Mantenimiento Filtrados Investigación y desarrollo Comedores en Campo Ambientes de sanidad	Cumplimiento cuidadoso de las normas de seguridad en lo relocionado con el manejo y almacenamiento de combustibles y materiales inflamables.
			Explosiones	Almacén y centro de distribución de Combustible Taller de mantenimiento agrícola	Capacitación al personal responsable de los almacenes, taller de mantenimiento agrícola y/o usuarios.
			Derrames de productos químicos	Mantenimiento, almacenes, ambientes de sanidad y zonas donde se manipule combustibles.	Cumplir las normas de seguridad y normas ambientales, asimismo portarán en una ubicación visible las hojas de seguridad (MSDS) que orientarán los pasos a seguir en caso de ocurrencia.
			Inundación	Cualquier ubicación ya sea en oficinas o en campo.	Señalización y aislamiento de conexiones eléctricas, corte de fluido eléctrico sectorizado.
			Emergencia médica.	Se pueden presentar en cualquier punto del Fundo y planta	Personal de Unidad Médica equipado y entrenado para la respuesta inmediata y evacuación de personal afectado.
			EME Persona emergencia	Image No. Communicatio	2.4.1.2 n diagram Presidente del Comité. • Vicepresidente y Supervisor de SST • Brigadista General y Brigadas
			Evalúan y	analizan situación	
			N Se activa Siste	ema de Respuesta a	Se informa a:
		ſ	Em	ergencias	Presidente del Comité     Vicepresidente.     Coordinador
			Actúa de acue	rdo a procedimientos.	57
		In re orga Situ	elation to the anization, the ations of the	elaboration and int organization has a Reservoir, updated	ervention with a public sector Response Plan to Hydrologica I to 2019.

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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.			<text><text><text><section-header><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></section-header></text></text></text>
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 has developed and implemented a commitment that allows stakeholders to know that the organization respects water rights. Revised Document Respect Policy based on legal elements such as the Regulation of the Water Resources Law – N°29338 Image No. 3.1.2.1 Respect Policy (excerpt) AGROVISIÓN se compromete a respetar y promover el derecho humano al agua potable y reducir la carencia del agua potable y saneamiento que existe en las comunidades campesinas cercanas, participando activamente en la búsqueda de soluciones eficaces y en su ejecución. La empresa considera de prioridad fortalecer la cultura del agua entre sus colaboradores, a través de su protección, ahorro y debido uso y reuso, 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 hidrico tanto superficial como subterráneo.

	Implement system to comply with			
3.2	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 a procedure for Identification, access and evaluation of legal requirements. Identification is indicated is carried out by various managers and there is a legal compliance evaluation matrix format. A List of Legal Requirements - Water Resources is kept and within said matrix a Monitoring and compliance column. Cases evaluated: Payment of 2020 of the 2019 period of Well 2: Total of the volume of the concession. Payment is for the total permit of 1726546m3 Water license: Pozo 2 - Arena Verde - R.D. N ° 1204-2018-ANA- AAA-JZ-V Well water monitoring 2 Central Lot - Green Sand AGQ Lab Laboratory Certificate from 04/06/2021 (Voluntary monitoring) - Compliant parameters The water analysis monitoring record is reviewed according to type, where the evaluation is carried out in contrast to regulations. Wastewater treatment and final disposal certificate by DITSA of Wastewater from August 2021 DITSA authorization as EPS and wastewater treatment entity in Piura - current. The authorization of the third company that operates the camp's wastewater treatment plant in Lote Norte is evidenced The provision of chemical toilets by a third company is evidenced. <b>FV-OBS1:</b> There are DIA environmental instruments, and they are in the process of presenting the EIA required by the authority <b>FV-OM1:</b> Consider reinforcing the procedure for Identification, access, and evaluation of legal requirements if it is also applicable for requirements such as water and include the List of Legal Requirements - Water Resources <b>FV-OM2:</b> Consider the verification of wastewater, the type of final treatment carried out by the EPS and if there is any impact on any basin (surface or underground)
	Where water rights are part of legal and regulatory requirements,			
3.2.2	measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.			There are no indigenous peoples 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 observed that the organization has identified the state of progress towards the fulfilment of the objectives in relation to water balance. This result is expressed in percentage values for each of the objectives HYDRIC BALANCE. — Objective 1: INCREASE TECHNICAL KNOWLEDGE FOR THE EFFICIENT MANAGEMENT OF THE WATER RESOURCE. Status: 50% compliance. — Objective 2: OPTIMIZATION OF THE OPERATION AND MAINTENANCE OF IRRIGATION STRUCTURES AND IRRIGATION. Status: 80% compliance.

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				<ul> <li>Objective 3: OPTIMIZATION IN THE INDIRECT USE OF WATER IN THE WASHING OF JABAS AND BINES, Status: 80% compliance</li> </ul>
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 observed that the organization has identified the state of progress towards the fulfilment of the objectives. This result is expressed in percentage values for each of the objectives HYDRIC BALANCE. — Objective 1: INCREASE TECHNICAL KNOWLEDGE FOR THE EFFICIENT MANAGEMENT OF THE WATER RESOURCE. Status: 50% compliance. — Objective 2: OPTIMIZATION OF THE OPERATION AND MAINTENANCE OF IRRIGATION STRUCTURES AND IRRIGATION. Status 80% compliance. — Objective 3: OPTIMIZATION IN THE INDIRECT USE OF WATER IN THE WASHING OF JABAS AND BINES. Status: 80% compliance.
3.3.3	Legally binding documentation, if applicable, for the re-allocation of water to social, cultural, or environmental needs shall be identified.			It was observed that the organization has developed and implemented a commitment that allows stakeholders to know that the organization respects water rights. Revised Document Respect Policy based on legal elements such as the Regulation of the Water Resources Law – N°29338 Image No. 3.3.3.1 Respect Policy (excerpt) AGROVISIÓN se compromete a respetar y promover el derecho humano al agua potable y reducir la carencia del agua potable y saneamiento que existe en las comunidades campesinas cercanas, participando activamente en la búsqueda de soluciones eficaces y en su ejecución. La empresa considera de prioridad fortalecer la cultura del agua entre sus colaboradores, a través de su protección, ahorro y debido uso y reuso, 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.
3.4	Implement plan to achieve site	-	-	•
3.4.1	Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.			It was observed that the organization has identified the state of progress towards meeting the water quality objectives. This result is expressed in percentage values for each of the objectives — WATER QUALITY — Objective: TO ESTABLISH A MONITORING SYSTEM FOR THE QUALITY OF IRRIGATION WATER ON THE PREMISES AND SYSTEMATIZE DATA. Status: 80% compliance.
3.4.2	Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.			Minor Nonconformity Finding: The organization is developing a project to improve the wastewater treatment plant (expansion of treatment capacity), water that is currently (with the amount treated today) is and can be reused in various operational and, or productive activities; however, this good practice has not been quantified.
3.5	Implement plan to maintain or improve the site's and/or		-	•

	catchment's Important Water-			
	Related Areas.			
3.5.1	Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.			It was observed that the organization has identified the state of progress towards the fulfillment of the objectives in relation to the important areas. This result is expressed in percentage values for each of the objective. PROTECTION OF WATER-RELATED AREAS Objective: TO FOREST THE DRAINAGE SECTION OF THE PROPERTY TO AVOID FLOODING . Status: 60% compliance. Inage No. 3.5.1.1 Evidence of progress of the objective Net of the objective in t
3.6	Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all	-	-	-
	premises under the site's control.			
3.6.1	Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, guantified.			<ul> <li>There is control of drinking water and wastewater from SSSHH and Canteens. It is reviewed</li> <li>Certificate of treatment and final disposal of wastewater by DITSA of Wastewater from August 2021</li> <li>Authorization from DITSA as EPS and wastewater treatment entity in Piura - current.</li> </ul>

				<ul> <li>The authorization of the third company that operates the camp's wastewater treatment plant in Lote Norte is evidenced.</li> <li>The provision of chemical toilets by a third company is evidenced.</li> <li>About drinking water, it is endowed by ARENA VERDE</li> <li>Monitoring of drinking water treatment plant for human consumption - Agrovision SGS Laboratory Certificate of 08.21.21 Conforming parameters</li> <li>The water analysis monitoring record is reviewed according to type, where the evaluation is carried out in contrast to regulations.</li> </ul>
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.			In the development of the entire audit, the audit team was able to verify that the organization contributes to the improvement and strengthening of the water quality at the site, as well as access to sanitary services for various communities. There are no indigenous communities on the banks of the catchment. Corrective Actions have not had to be generated to address non- compliance with the water test.
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.			It was observed that the organization does not have activities that allow identifying an indirect use of water; although, if it has both external inputs and services, these are geographically located outside the basin under analysis
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.			It was observed that the organization identified the use of virtual water for the following externally contracted services: Personnel transport Catering. By reviewing information about the geographic location of ambulance, personnel transportation, container transportation service providers; are outside the account where the site is based; however, the Catering service is based within the property owned by the client who has been determined his average monthly consumption in water consumption.
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, it has been possible to observe the existence of commitment documents and transmission of emails with acknowledgment of reading, the same ones that are evidenced described in the indicators analysed in this audit process.
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.	-	-	-

r		-	-	
3.9.1	Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.			<ul> <li>It was possible to demonstrate the implementation of best practices related to governance through:</li> <li>Generation of a letter from AGROVISIÓN GROUP to the Management of PRO-OLMOS with the decision to support the creation of the Board of Groundwater Users for New Lands.</li> <li>PRO-OLMOS appoints ITS project manager, in this case the PRO-OLMOS Manager. AGROVISIÓN appoints ITS coordinator for the follow-up of the formalization of the Board.</li> <li>Presentation of the application and the technical file for the geographical delimitation of the groundwater hydraulic sector to the AAA-Piura by the person in charge of PRO-OLMOS. The documents are evident.</li> <li>Establishment of a schedule of meetings until the formalization of the Board of Users.</li> <li>Biweekly follow-up and coordination meetings with the project leader appointed by PRO-OLMOS. For the information of progress, difficulties, achievements, delays, rescheduling of activities, etc.</li> <li>Communication of the person responsible for the follow-up by AGROVISIÓN GROUP to the corresponding Management.</li> </ul>
3.9.2	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.			<ul> <li>It was possible to demonstrate the implementation of best practices related to the objectives through:</li> <li>Quantification of the volumes of wastewater of the property.</li> <li>Study and design of a system for a possible reuso of water treated with biodigesters.</li> <li>Sizing in number and paying for biodigesters.</li> <li>Obtaining water that complies with the permissible limits (LMP) for irrigation.</li> <li>Use of treated water for assisted restocking of green areas.</li> <li>Perform operation and maintenance protocol of biodigester</li> </ul>
3.9.3	Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.			<ul> <li>It was possible to demonstrate the implementation of best practices related to the objectives in terms of water quality through:</li> <li>Organization of a database of physicochemical analysis of water. Laboratory, dates, lots or barracks, culture, type of analysis, identified chemical elements, trends, etc.</li> <li>Identification of information gaps, trends and levels of contaminants.</li> <li>Entrust the quality area with the ordering, updating and dissemination in other areas of the company of this information.</li> <li>Annual evaluation or at the beginning of each campaign of the analyses, with a qualified specialist, who establishes conclusions and recommendations.</li> </ul>
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.			<ul> <li>It was possible to demonstrate the implementation of best practices related to the maintenance of the site of the important areas through:</li> <li>Verify the condition of the irrigation equipment and make a previous diagnosis considering the procedures of the AGROVISION irrigation manual.</li> <li>Ensuring that those in charge follow the methodology and procedures for the proper functioning of each of the parts of the irrigation system, as indicated in the irrigation manual.</li> </ul>

i				-
				<ul> <li>Appoint managers and establish a schedule of preventive maintenance as well as the replacement of essential spare parts and accessories of the system in the warehouse.</li> <li>Scheduled meetings with those in charge of irrigation and irrigation infrastructure in order to obtain relevant information to optimize the irrigation operation of crops and water use.</li> <li>Best practices include the active participation of relevant stakeholders.</li> </ul>
				Image No. 3.9.4.1 Stakeholder Engagement
				<image/>
	3.9.5	Actions towards achieving best practice related to targets in terms of WASH shall be implemented.		It was possible to show that the auditing organization has:         Economically and sustainably defined access to drinking water for stakeholders in the sector.         Provided mobile or fixed tanks, distribution motorcycles within the field and / or individual supply at the beginning of the task. Identified supply points.         Determined data on volumes drunk by field personnel.         About wastewater:         Quantified the volumes of wastewater on the property.         It is designing a system for a possible reuse of water treated with biodigesters.         Use, in the future, treated water for the assisted repopulation of green areas.         Carry out the operation and maintenance protocol of the biodigesters.

#### October 28, 2021

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.			<ul> <li>It was observed that the organization has evaluated the performance in meeting the objectives. This result is expressed in percentage values for each of the objectives</li> <li>GOVERNANCE.</li> <li>Objective: TO SUPPORT THE FORMATION OF A BOARD OF USERS COMMITTED TO THE SUSTAINABILITY OF GROUNDWATER. Current status: 100% compliance.</li> <li>HYDRIC BALANCE.</li> <li>Objective 1: INCREASE TECHNICAL KNOWLEDGE FOR THE EFFICIENT MANAGEMENT OF THE WATER RESOURCE. Status: 50% compliance.</li> <li>Objective 2: OPTIMIZATION OF THE OPERATION AND MAINTENANCE OF IRRIGATION STRUCTURES AND IRRIGATION. Status 80% compliance.</li> <li>Objective 3: OPTIMIZATION IN THE INDIRECT USE OF WATER IN THE WASHING OF JABAS AND BINES. Status: 80% compliance.</li> <li>WATER QUALITY</li> <li>Objective: TO ESTABLISH A MONITORING SYSTEM FOR THE QUALITY OF IRRIGATION WATER ON THE PREMISES AND SYSTEMATIZE DATA. Status: 80% compliance.</li> <li>PROTECTION OF WATER-RELATED AREAS</li> <li>Objective: TO FOREST THE DRAINAGE SECTION OF THE PROPERTY TO AVOID FLOODING Status: 60% compliance.</li> <li>WASH</li> <li>Objective 1: AFFORDABLE, QUALITY DRINKING WATER FOR ALL FIELD STAFF. Status: 95% compliance.</li> <li>WASH</li> <li>Objective 2: NEW WASTEWATER TREATMENT. Status: 25% compliance.</li> </ul>				
4.1.2	Value creation resulting from the water stewardship plan shall be evaluated.			It was possible to show that the organization of the evaluation of the value created by implementing its sustainable water management plan, obtained the following:         — Improvement in the quality of life of the interested parties.         — Perception of the site stakeholders of the reduction of waste in the use of water.				
4.1.3	The shared value benefits in the catchment shall be identified and where applicable, quantified.			It was possible to show that the organization has identified, as benefits of shared value in the basin, has:				

				<ul> <li>Creation of the PUEBLO NUEVO DE OLMOS GROUNDWATER HYDRAULIC SECTOR ON JUNE 03, 2021.</li> <li>The development of a database of chemical, microbiological, and heavy metal analyzes is ready, each parameter can be filtered, and trends and conclusions can be established on the state of the water, it is updated in each agricultural season.</li> <li>The implementation in process of the living fence with an irrigation system, in evaluation of the native species of reforestation.</li> <li>The quantification has been measured, this time, in percentage rate of compliance, it is expected in the following period (2022) to be able to determine the economic value once the shared benefits have been implemented at 100%.</li> </ul>
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.			It was evident in the visit to the site that in the region between 2019 and 2021 the El Niño Phenomenon has not been presented, so there was no information to develop an annual and written review of the incident or emergency incident identified for the site. However, the organization has a plan in place to respond to identified emergency incidents or 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.			Throughout the audit process, it has been possible to observe the existence of commitment documents and transmission of emails with acknowledgment of reading that allow demonstrating the consultative efforts made by the organization on the performance of sustainable water management on the site and that is evidenced in each of the indicators evaluated.
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.			<b>Minor Nonconformity Finding:</b> It was evident that the organization plans to modify and adapt the Water Management Plan – Olmos Site at the end of the 2021 period (December 2021); failing to comply with the provisions of requirement 4.4.1 which specifies that the organization must modify and adapt the Water Management Plan. <b>FINDING 4.4.1</b> – <b>EVALUATE AND UPDATE.</b>

#### October 28, 2021

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.			During the tour and interviews for the internal stakeholders, it was evident that the organization evaluated has disclosed water care actions, taking care not to exceed the quotas (permits granted by the authority). It is indicated that the dissemination of policy and plan is through intranet.		
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.			<ul> <li>Major Nonconformity Finding: There is no evidence folder for such communication in the information in the AWS folder - Step 5. During the audit, in the interviews, the supervisors of the irrigation site did not define the objects indicated in the Water Management Plan, related to the site Cases - Objectives:</li> <li>Optimization in the indirect use of water in the washing of javas and goods. 1) Review the procedure of washing jabas, material goods of harvest of the semi-annual site or when it requires it. 2) Study an option to optimize this operation annually.</li> <li>Study of efficient use of water in the cultivation of asparagus. 1) Promote 1%-2% savings in the irrigation of asparagus crops. Only "taking care of the water" and "irrigation monitoring" was defined, which is a follow-up activity and not objective and "not exceeding the quotas of water endowment" but that objective is not within the water management plan.</li> <li>In the interviews of external stakeholders (Community Caserio DOS PALOS and school) they stated that they have not been informed of the action plan that the company has with respect to water and are still in talks. However, in the action plan if you have identified objective and action plans related to:</li> <li>1) Support communities in well water quality testing to verify the amount of AS, B and CD heavy metals. Existing.</li> </ul>		
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			The dissemination of the results of the AWS Goals has not yet taken place, so it will need to be followed up at the next surveillance visit.		

	targets, shall be disclosed annually at			
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.			Major Nonconformity Finding: It is not evident in the document folder 5.4 that the organization has communicated the challenges to internal and external stakeholders (Caseríos 02 palos in Morrope, Supervision of Pozo 2.7 of Green sand, supervisor of WWTP, etc.) This, it is corroborated, during the audit that in the interview several Stakeholders are not clear about these issues. Evidence: Support for the creation of a Groundwater Users Board has been considered as the first priority of challenge" Of the interviewees, no internal stakeholders (water supervisors) have referred to this challenge and of the external ones only 2 (Pro-Olmos and Pampa Baja) of 4 (inc. hamlet and school). In the case of the challenge "Increasing the technical knowledge of the aquifer through a mathematical model" no internal stakeholders have mentioned anything about it.
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 leadership of the company in forming the Board of Water Users (Agrovision-Arena Verde is the first president) and motivating the companies to be able to carry out the registration and touch on relevant issues such as water quotas, monitoring consumption of wells, 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 directly related 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 directly related 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 directly related to water

## 8 AWS CRITERIA FOR SINGLE-SITE:

As an audit criterion, the AWS2.0 standard updated to December 2019 was considered. In the following table we declare information about the single evaluated site.

SUB- CODE	FARM NAME	LOCATION	ACTIVITIES	TOTAL AREA (hectares)	GPS Latitude	GPS Longitude
01	ARENA VERDE S.A.C.	Central Lot and North Lot of Comunidad Campesina San Pedro de Morrope. Lambayeque, Morrope, Perú	Asparagus cultivation	475.4	611334.000	9336686.000

Table 8.1
Detail of the Evaluated Site

## 9 AUDIT FINDINGS

The findings evidenced in the development of the audit process were reported to the client **ARENA VERDE S.A.C.**, who subsequently responded to **SGS Perú S. A. C.** with a cause analysis and action plan for their treatment. After the Lead Auditor reviewed and approved both the cause analysis and the action plans, the Audit Team verified the effectiveness of the actions taken and closed these findings.

#### Detail of audit findings

### Nonconformities

As a result, a total of 08 minor non-conformities and 02 major non-conformities were raised, which are detailed in table 9.1

No.	ТҮРЕ	REF.	DETAILS	CAUSES	ACTION PROPOSED BY CLIENT
1	Minor Nonconformity	1.1.1	NON-CONFORMITY: North lot, which is part of the physical scope of the site consists of 7 wells. Five of them are outside the cultivation area, but within the physical reach of the basin, two of the wells are within the cultivation area; however, the pipeline infrastructure for the wells is not included within this map that describes the "reservoir entrance network" account. Additionally, the domestic wastewater of green sand is treated in Lote Norte (domestic waters of camps) by a third company, and the clarified water is arranged with a reuse to irrigate gardens. However, there is no evidence of mapping that point in the AWS Step 1.1 folder.	1. It has the physical infrastructure but the detail of underground connections was not landed on a plan, only the location of the reservoirs, plans and booths. The information is available but not in a plan about the reuse of water.	<ul> <li>1. 1. Plans will be presented with the underground pipes, the flow of water intake from the wells to the reservoirs, and these to the crops. The reuse water will be mapped on a plan of inputs and outputs.</li> <li>VERIFICATION OF THE EFFECTIVENESS OF THIS NON-CONFORMITY: It is reviewed and verified:</li> <li>The plans for the northern lot, San Ricardo, Central Lot, were reviewed, in which Infrastructure can be seen pipes, valves, wells, and the lots and connections that exist between the entire underground infrastructure.</li> <li>Also, in the northern lot "irrigation water", the outlets of the dining room water and the inlets of the wells as well as the entrance to the WWTP were schematized.</li> <li>CONCLUSION:</li> <li>With the evidence reviewed, it is decided to close the Minor Nonconformity.</li> </ul>
2	Minor Nonconformity	1.2.1	NON-CONFORMITY: The following are not identified within the interest groups: — Groundwater Board "Valle Nuevo" that is described in the Matrix of Influence and Commitment. — PRO_OLMOS: It is involved in the Board for the Hydraulic Sector ona Valle nuevo, (100 thousand ha of the 38 thousand Ha is from Pro - Olmos) which includes the Zapayal aquifer. — Municipality of Jayanca is also within the Zapayal aquifer — School of the hamlets. They have	1. The formation of the Groundwater Board progressed very quickly. When the stakeholder table was made, it was not yet approved. The influence and commitment matrices were made later for this reason if the new Board was taken into account, an aspect that had to be corrected in the table of interested parties. Pro-olmos in the same way since it only intervenes for the formation of the board of the hydraulic sector but not in other actions in the Morrope district.	1. Present the completely revised table of stakeholders and review the indicated interest groups if applicable.     VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified:     — The Stakeholders Matrix- Arena Verde SAC updated on 11/2/21 has been revised and new

### Table 9.1 Detail of Nonconformities

			other topics of interest, such as SSHH in which They have helped Arena Verde, and that may have larger reservoirs. – SERMART for protected areas and reforestation in Arena Verde Center Lot. – WRATH		<ul> <li>stakeholders have been incorporated.</li> <li>As part of the interest groups, the following have been included:</li> <li>Board of underground water users of Valle de Olmos</li> <li>Pañala hamlet, in this hamlet there are the "Cruz de Pañalá" schools where social work is done</li> <li>SERFOR, as a state body, has an influence since there are frequent conversations and supervision.</li> <li>The Municipality of Jayanca and Pro-Olmos have not been included since it is very far from Arena Verde, it is not a neighboring area.</li> <li>CONCLUSION:</li> <li>With the evidence reviewed, it is decided to close the Minor Nonconformity.</li> </ul>
3	Minor Nonconformity	1.3.2	It was observed that the organization has identified and mapped a water balance for the site; however, in its analysis (data with which I carry out the determination of the balance) the amount of water recovered from the WWTP for general uses is not considered	1. The balance was made considering inputs, outputs and storage only of the irrigation area and the other inputs and outputs of all the company's processes had to be integrated.	1. A new mapping will be sent with the additional inputs and outputs of each company process.     VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified:     — The General Water Balance updated in November 2021 of Arena Verde was reviewed, which includes: Wastewater treatment plant with a consumption of 38,305 m3.     CONCLUSION:     With the evidence reviewed, it is
4	Minor Nonconformity Minor	1.3.3	During the tour carried out on the site, the organization evidences an Excel document identified as "Water Balance 2021 AV"; this document indicates only the amount of water used for irrigation, applications, reservoir evaporation; however, in this analysis the amount of water used in fruit, infiltration, entry of drinking water from AGV among other items is not considered. Not presented as indicated by the norm income = outputs	<ol> <li>The balance was made but the processes indicated were not considered because they were not considered as the bulk of water used.</li> <li>We omitted the public disclosure of</li> </ol>	decided to close the Minor Nonconformity.         1. Drinking water must be added, entering from (ozonator), structural water from the fruit, infiltrated, wastewater outlet, water use feeding camp.         VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified:         — The General Water Balance updated in November 2021 of Arena Verde was reviewed, which includes: Drinking water treatment plant 36,967 m3, Structural water of the fruit 6,302 m3, losses due to infiltration in the soil 267,861 m3         CONCLUSION:         With the evidence reviewed, it is decided to close the Minor Nonconformity.         1. We will present in a visible place
5	Nonconformity	2.1.1	2.1 folder of the form of public	the commitments for sustainable	for all collaborators and site visitors a

6 Minor Nonconformity	2.3.2	disclosure of this commitment. During the audit, in none of the sites is it evident that the statement is published (murals), or in any income or some induction to the staff (for example, visiting personnel such as the auditor). During the audit it is indicated that it is in the SharePoint, but it is not publicly available, for example, for visits. Evidence: The auditor was never informed of aws's commitment nor do they have access to the company's SharePoint. There are some objectives, which have not defined any qualifiable goal or that is related to the objective. Case: You don't have the goal. OPTIMIZATION OF THE OPERATION AND MAINTENANCE OF IRRIGATION STRUCTURES AND IRRIGATION OPTIMIZATION IN THE INDIRECT USE OF WATER IN THE WASHING OF SOAP AND BINS AFFORDABLE, PERMANENT AND GOOD QUALITY DRINKING WATER IN EACH PROFERTY - OPTIMIZING THE QUANTITY OF LITERS / COLLABORATOR, THE COMPANY'S DELIVERY OF DRINKING WATER.	water management in a visible place for employees, considering that the commitment presented and signed by the CEO at the AWS event and uploaded to the company's website was enough.	statement with the commitments established by the AWS standard. VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified: — The document "Commitments to the AWS standard" can be found at the entry checkpoints — And the Sustainable Water Management Plan and challenges in the murals located outside the dining rooms and in the toilet services. CONCLUSION: With the evidence reviewed, it is decided to close the Minor Nonconformity. 1. Establish the costs of all the objectives of the Management Plan and / or explain why they are not set if it is not required to do so. 2. Indicate in a quantifiable way how to measure each objective of the Management Plan. VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified: — It was reviewed that in the Sustainable Water Management Plan the costs have been included in each of the objectives and they have indicated how they will be measured: — Objective: Optimization of the operation and maintenance of irrigation infrastructures: — Goal: Reduction of the cost of operation and maintenance of irrigation infrastructures: — Objective: Support to the villages of extreme need — Goal: Direct water supply to the villages through 80 cisterns — Objective: active participation in the development of technologies for purification — Goal: achieve 100% operation in WWTP for the use of drinking water.
7 Minor Nonconformity	3.4.2	The organization is developing a project to improve the wastewater treatment plant (expansion of treatment capacity), water that is currently (with the amount treated	1. By mistake, the quantification of the reuse of treated wastewater was not presented.	With the evidence reviewed, it is decided to close the Minor Nonconformity.         1. The amount of residual water that is reused for the irrigation of green areas within the company camp will be presented and will be added to the water balance.
7 Minor Nonconformity	3.4.2	The QUANTITY OF LITERS / COLLABORATOR, THE COMPANY'S DELIVERY OF DRINKING WATER.	1. By mistake, the quantification of the reuse of treated wastewater was not presented.	<ul> <li>to generate a saving</li> <li>Objective: Support tivillages of extreme r</li> <li>Goal: Direct water sivillages through 80 of</li> <li>Objective: active paid the development of technologies for pur</li> <li>Goal: achieve 100% in WWTP for the use water.</li> <li>CONCLUSION:</li> <li>With the evidence review decided to close the Mino Nonconformity.</li> <li>The amount of residual is reused for the irrigation areas within the company be presented and will be a water balance.</li> </ul>

			activities; however, this good practice has not been quantified.		<ul> <li>VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified:</li> <li>The General Water Balance updated in November 2021 of Arena Verde was reviewed. And the amount of water that comes out of the WWTP and that is used in the irrigation of green areas has been quantified and this amount has been included in the new water balance with a total of 36,967 m3</li> <li>CONCLUSION: With the evidence reviewed, it is decided to close the Minor Nonconformity.</li> </ul>
8	Minor Nonconformity	4.4.1	It was evident that the organization plans to modify and adapt the Water Management Plan – Olmos Site at the end of the 2021 period (December 2021); failing to comply with the provisions of requirement 4.4.1 which specifies that the organization must modify and adapt the Water Management Plan. FINDING 4.4.1 – EVALUATE AND UPDATE.	1. As a company policy, the procedures are reviewed annually.	<ul> <li>1. The changes and progress of the management plan will be recorded before each external audit.</li> <li>VERIFICATION OF THE EFFECTIVENESS OF THIS NON-CONFORMITY: It is reviewed and verified:</li> <li>The progress of the Sustainable Water Management Plan to date was incorporated to measure progress.</li> <li>The update was on October 29. This new version includes the progress made by Arena Verde to the date of the audit.</li> <li>Cases: <ul> <li>Objective: Promote 1 or 2% savings in irrigating crops - Advance 50%</li> <li>Objective: Operation and maintenance cost reduction by 2.5% - Progress 80%</li> </ul> </li> <li>CONCLUSION:</li> <li>With the evidence reviewed, it is decided to close the Minor Nonconformity</li> </ul>
9	Major Nonconformity	5.2.1	There is no evidence folder for such communication in the information in the AWS folder - Step 5. During the audit, in the interviews, the supervisors of the irrigation site did not define the objects indicated in the Water Management Plan, related to the site Cases - Objectives: — Optimization in the indirect use of water in the washing of javas and goods. 1) Review the procedure of washing jabas, material goods of harvest of the semi-annual site or when it requires it. 2) Study an option to optimize this operation annually. — Study of efficient use of water in the cultivation of asparagus. 1) Promote 1%-2% savings in the irrigation monitoring" was defined,	<ol> <li>Training was provided on the AWS standard at all hierarchical levels.</li> <li>Training on the management plan was included only at the managerial level since it was considered that they were the relevant stakeholders for decision-making in the management of the adequate use of water.</li> </ol>	1. We will prepare a presentation and training of the Management Plan that reaches the mentality of our stakeholders in a suitable way and we will communicate with each one of them to know their perception of it and thus incorporate their opinions in a convenient way.     VERIFICATION OF THE EFFECTIVENESS OF THIS NON- CONFORMITY: It is reviewed and verified:     A triptych was prepared for Arena Verde where the Sustainable Water Management Plan is explained: Structure of the AWS standard, Water Management Plan. Sustainable

,	 	
	which is a follow-up activity and not	water balance (Promote 1-2% of
	objective and not exceeding the	100% of operation in a drinking
	quotas of water endowment but that	100% Of operation in a driftking
	objective is not within the water	water treatment plant, Perform
	management plan.	
	In the interviewe of external	important gross related to water
	in the interviews of external	(Destars protected areas of the
	DOS PALOS and school) they stated	forest reserve with pative
	that they have not been informed of	
	the action plan that the company bas	sanitation and hygione for all
	with respect to water and are still in	(Wash) (Supply of drinking
	talks However in the action plan if	water to villages) What is AWS
	you have identified objective and	<ul> <li>The minutes of meetings with</li> </ul>
	action plans related to:	external stakeholders of the
	1) Support communities in well water	meetings held were reviewed.
	quality testing to verify the amount of	President of the Morrope
	AS B and CD heavy metals Existing	peasant community and with the
	2) Communicate the results to the	President of the Ronderos-
	relevant authority	Caserios "La Colorada" Board
	· · · · · · · · · · · · · · · · · · ·	<ul> <li>An audio on the goals was</li> </ul>
		broadcast for the knowledge of
		internal interest groups for the
		knowledge of the goals and
		objectives of the AWS standard.
		<ul> <li>Training records on the Water &amp;</li> </ul>
		Hydrological Management Plan
		and initiatives, Sustainable
		Hydric Balance; 01/10 to the
		person of irrigation and
		fertilization
		<ul> <li>A training of the Management</li> </ul>
		Plan and Challenges was
		reviewed, it was carried out
		virtually on November 5, to the
		collaborators of the irrigation
		and packing area. Two trainings
		were provided for the day shift
		and the night shift.
		<ul> <li>The field personnel were trained</li> </ul>
		by means of the audios with the
		explanation of the 8 objectives.
		I ne communications centers
		nave broadcast these audios at
		the staff
		The Water Management Plan
		and the Challenges have also
		been posted on the bulletin
		boards
		Communicated to external
		stakeholders:
		— A communication has been sent
		to ANA
		CBEGAZO@ANA.GOB.PE
		addressed to Cecilia Begazo
		(AAA del Valle Legal
		Coordinator) sending the Water
		and Challenges Management
		Plan, the communication was
		sent on November 12 and was
		sent by Luciana Valladares
		Head of Administration and
		corporate attairs.
		A monthly used a manifest of with the
		A meeting was organized with the
		President of the pageant
		community of Morrone- lose
		Santa Maria

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					<ul> <li>President of the Board of Ronderos- Casería "La Colorada"</li> <li>During the interviews, it was possible to verify the knowledge and involvement of Arena Verde and the interested parties in this audit process, in the common objectives for the common benefit in water issues and in the Challenges.</li> <li>CONCLUSION:</li> <li>With the evidence reviewed, it is decided to close the Minor Nonconformity.</li> </ul>
					<ol> <li>We will review again the shared water challenges, extending them to all stakeholders.</li> <li>We will initiate a dialogue with the interested parties to find out their own perceptions of the problems,</li> </ol>
10	Major Nonconformity	5.4.1	It is not evident in the document folder 5.4 that the organization has communicated the challenges to internal and external stakeholders (Caserios 02 palos in Morrope, Supervision of Pozo 2.7 of Green sand, supervisor of WWTP, etc.) This, it is corroborated, during the audit that in the interview several Stakeholders are not clear about these issues. Evidence: Support for the creation of a Groundwater Users Board has been considered as the first priority of challenge" Of the interviewees, no internal stakeholders (water supervisors) have referred to this challenge and of the external ones only 2 (Pro-Olmos and Pampa Baja) of 4 (inc. hamlet and school). In the case of the challenge "Increasing the technical knowledge of the aquifer through a mathematical model" no internal stakeholders have mentioned anything about it.	1. A meeting was held with an internal / external interest group. The word challenge was not mentioned as such if the problems / difficulties with water were not socialized with the interest groups, it is clear that it was not understood.	<ul> <li>difficulties, and commitments with the sustainable use of water.</li> <li>VERIFICATION OF THE EFFECTIVENESS OF THIS NON-CONFORMITY:</li> <li>It is reviewed and verified:</li> <li>For the Challenges, a Triptych has been prepared, where they are shown:</li> <li>Support for populated centers without water</li> <li>Increase knowledge on risk and technique of efficient water use</li> <li>Support for the underground water use's board</li> <li>Phenomenon of the child</li> <li>An audio was broadcast to all field personnel on the goals for the knowledge of the internal interest groups for the knowledge of the goals and objectives of the AWS standard.</li> <li>The training records on the Water Management Plan &amp; Hydrological Challenge and initiatives, Sustainable Hydric Balance from 10/01 to the irrigation and fertilization person were reviewed</li> <li>A training of the Management Plan and Challenges was reviewed, it was carried out virtually on November 5, to the collaborators of the irrigation and packing area. Two trainings were provided for the day shift and the night shift.</li> <li>The field personnel were trained by means of the audios with the explanation of the 8 objectives. The communications centers have broadcast these audios at lunchtime and at the entrance of the staff.</li> <li>The Water Management Plan and the challenges have also</li> </ul>

		been posted on the bulletin boards.
		Communicated to external stakeholders: — A communication has been sent to ANA CBEGAZO@ANA.GOB.PE addressed to Cecilia Begazo (AAA del Valle Legal Coordinator) sending the Water and Challenges Management Plan, the communication was sent on November 12 and was sent on November 12 and was sent of Administration and comorate affairs
		<ul> <li>A meeting was organized with the interest groups:</li> <li>President of the peasant community of Morrope- Jose Santa Maria</li> <li>President of the Board of Ronderos- Caseria "La Colorada"</li> <li>During the interviews, it was possible to verify the knowledge and involvement of Arena Verde and the interested parties in this audit process, in the common objectives for the common benefit in water issues and in the Challenges.</li> </ul>
		CONCLUSION: With the evidence reviewed, it is
		decided to close the Minor Nonconformity.

#### **Observations and Opportunities for Improvement**

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

In this audit process, a total of 03 Observations and 02 Opportunities for Improvement were identified; on which the development and presentation of cause analysis and action plans is not necessary; however, these items are likely to be reviewed at the next surveillance visit.

These findings are detailed below:

- 1. (1.2.1) EL-OBS1: Consider reviewing the effectiveness of the method by which you are determining stakeholder engagement identified.
- 2. (1.3.6) EL-OBS2: Consider reviewing the effectiveness in determining the Palo Verde reservoir as an area of interest.
- 3. (3.2.1) FV-OBS1: There are DIA environmental instruments, and they are in the process of presenting the EIA required by the authority
- 4. (3.2.1) FV-OM1: Consider reinforcing the procedure for Identification, access, and evaluation of legal requirements if it is also applicable for requirements such as water and include the List of Legal **Requirements - Water Resources**
- 5. (3.2.1) FV-OM2: Consider the verification of wastewater, the type of final treatment carried out by the EPS and if there is any impact on any basin (surface or underground)

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.

### - Efficacy in treating the findings of the Certification visit

As part of the certification process, in November 2021 the effectiveness verification visit of the Major Non-Conformities generated in the PHASE 2 visit was carried out.

During this visit, the audit client, in addition to presenting the actions with which it dealt with its Major Non-Conformities, requested to verify the effectiveness of its Minor Non-Conformities.

Table 9.1 of this report includes the revised Evidence with which all the Findings were closed, both the Major Non-Conformities, as well as the Minor Non-Conformities.

### 10 SUMMARY

Based on this certification audit process developed for **ARENA VERDE S. A. C.**, it was possible to demonstrate the effort made by the work team. However, in the PHASE 2 visit of the certification process, Major and Minor Non-Conformities were presented that were addressed in a timely manner, which allows **ARENA VERDE S. A. C.** to receive the CORE Certification recommendation of the AWS2.0: 2019 standard.

For the observations made, these items are likely to be reviewed at the next surveillance visit.

### 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