CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001350

WSAS WATER STEWARDSHIP ASSURANCE SERVICES

SITE DETAILS

Site: **Agrovision Multisite - Olmos & Morrope**
Address: San Isidro, 01136, Lima, PERU
Contact Person: Luciana Valladares Oyola
AWS Group Reference Number: AWS-G-000018
Site Structure: Multi Site

CERTIFICATION DETAILS

Certification status: Certified Platinum
Date of certification decision: 2025-Jan-24
Validity of certificate: 2028-Jan-23

AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)
Audit Type(s): Initial Audit
Audit Start Date: 2024-Oct-14
Lead Auditor: Roxana Novoa

Audit team participants:

Ricardo Salas Colunga
Roxana Novoa, Lead Auditor

Site Participants:

Evelyn Coronado Garcia, Jefe de Desarrollo Sostenible
Liseth Araceli Calvay Peña, Analista de RRSS y efluentes
Liliana Solis Acosta, Coordinador de Certificaciones
Cinthya Tessy Carrasco Temoche, Asistente de Certificaciones
Ana María Alarcón Llaqlla, Auxiliar de Certificaciones
Miguel Ángel Pacheco Muñóz, Apoyo Almacenamiento
Luis Alexander Alarcón Minaya, Técnico en Tratamiento de Agua
Milagros Julca, Técnico en Planta

ASSIGNED SITE(S):

Name	Address	Contact name	AWS reference
(Agrovision) Arena Verde - Morrope	Lote Norte, Lote Centro, Lote San Ricardo - Comunidad Campesina San Pedro de Morrope – Lambayeque Lambayeque, 14210, Morrope, PERU	Luciana Valladares Oyola	AWS-000303
Agrovision Peru - Olmos	Lote C5- C6- A9 Fundo Valle de los Ríos Cascajal y Olmos –Distrito de Olmos - Lambayeque, Olmos, PERU	Luciana Valladares Oyola	AWS-000302

WSAS
2 Quality StreetNorth Berwick, EH39 4HW, UNITED KINGDOM

ADDITIONAL INFO

Summary of Audit Findings: During the certification audit a total of 4 findings, 2 minor non-conformities and 2 observations were raised.

The Client is requested to perform a root cause analysis and define corrective actions for each of the non-conformities and submit them to WSAS within 30 days of receipt of the audit report by 23/01/2025.

Minor non-conformities must be closed before the next annual audit.

The audit team recommends the certification of Agrovision Multisite - Olmos & Morrope Agriculture (plant products) at Platinum level pending approval of the corrective action plan.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of Agrovision and Arena Verde against the AWS International Water Stewardship Standard Version 2.
Agrovisión Corp Peru is an agricultural company engaged in planting, producing, packaging, and marketing premium quality fresh fruit. They specialize in growing blueberries, grapes, avocados, and asparagus on the northern coast of Peru, where they implement a sustainable agriculture model to fulfill our environmental and social commitments to local communities. Their activities are carried out in the districts of Olmos and Morrope, Lambayeque Region, in northern Peru. Due to their geographical position, both areas are known for being very dry, desert, and arid lands, with a lack of vegetation due to the surrounding ecosystem
They began operating in Peru in 2015 and since then they have devoted more than 3,000 hectares to sustainable agriculture. Their company consists of two entities: Agrovision Peru and Arena Verde, both operating in the districts of Olmos and Morrope, in the Lambayeque Region, Peru. They are Peru's third largest producer of blueberries (which accounts for a 12% market share) and the first agricultural exporter in the Lambayeque Region.
Lot C5 - Lot C6 Sur - Lot A9 - Lot B1 - Lot B2a - Lot B2b belong to Olmos Irrigation Project
Lot North - Lot Central - Lot San Ricardo 2 belong to Morrope.
The scope of this audit only covers Lots C5, C6 and A9 of Olmos and Lots Norte, Centro and San Ricardo of Morrope.
Agrovison Peru owns the agricultural lots named C5, C6 and A9, located in the irrigation sector of the Olmos Project, Olmos district, province and department of Lambayeque. It has a total area of 2,135.82 ha, corresponding to 1,982.17 ha cultivated with blueberries, 90.62 ha with table grapes and 63.03 ha with avocado.
The source of supply is surface water from the Olmos Tinajones Special Project (PEOT) and groundwater from subway tube wells.
Arena Verde has the agricultural properties of Lote Centro, San Ricardo, and Lote Norte. It is located in the San Pedro de Mórrope farming community, Mórrope district, province and department of Lambayeque. It has a total area of 508.76 ha, corresponding to 358.42 ha cultivated with asparagus, 125.82 ha cultivated with organic blueberries, and 24.52 ha with table grapes. The only source of water supply is groundwater from tube wells.
The audit was conducted onsite from October 15 to October 19, 2024.
The on-site visit included the evaluation of the Agrovisión and Arena Verde farms, surface water intake (hydrants) in the case of Agrovisión, filtering areas, reservoirs, warehouses, subway wells, crop fields, IWRA of the sites, drinking water treatment plants, wastewater treatment plants, nursery of the Forest Reserve in Arena Verde, agrochemical mixing areas, canteens, packing plant, jaba bean washing area, key aspects of the facility related to the production of the agrochemicals, Wastewater treatment plants, nursery of the Forest Reserve in Arena Verde, agrochemical mixing areas, canteens, packing plant, jabas washing area, key aspects of the facility related to water, interviews with employees and stakeholders as part of the audit.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001350

WSAS WATER STEWARDSHIP ASSURANCE SERVICES

SCORE

124.00

FINDINGS

NUMBER OF FINDINGS PER LEVEL

Observation	2
Minor	2

WSAS
2 Quality StreetNorth Berwick, EH39 4HW, UNITED KINGDOM

FINDING DETAILS

Finding No:	TNR-015030
Checklist Item No:	1.3.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Oct-18
Checklist item:	Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.
Findings:	Evapotranspiration identified and mapped in 1.3.2. has not been considered in the Water Balance and structural water in fruit (blueberries, asparagus, table grapes, avocados) has not been considered for both sites. In the outflows from the Agrovisión WWTP, it is not clear the % of treated water that goes to irrigation of the Green Sand Forest Reserve (IWRA), the % of treated water that is for irrigation of green areas of Agrovisión and % of water that leaves the WWTP without treatment that is managed by third parties in another basin (AMBIPETRO, ECOVIVESOCIAL, the latter only performs the transport). In the Water Balance of Arena Verde the data of water consumption of the Forest Nursery and water used in the irrigation of reforested plants, it is not clear what percentage comes from Agrovisión's WWTP.
Corrective action:	1. In the water balances of Agrovision and Arena Verde, modify the abbreviation "ETo" to the full word "Evapotranspiration", expressed in the unit of mm, with the aim of making the balance easily understandable for all people who have access to it. 2. Share on a monthly basis with the area responsible for updating the water balance, the volume of water treated in the Agrovision WWTP, which is reused in the irrigation of the North Plot - Forest Reserve (Arena Verde). 3. Share on a monthly basis with the area responsible for updating the water balance, the volume of water treated in the Agrovision WWTP, which is reused for irrigation of its green areas. 4. Share on a monthly basis with the area responsible for updating the water balance, the volume of wastewater that is to be disposed of for treatment in an external WWTP. 5. The area responsible for updating the water balance will request the kilograms harvested from the business units annually, in order to calculate the structural water in the fruit, in the balance of Agrovision and Arena Verde. 6. The area responsible for updating the water balance must share the balance on a monthly basis in order to review and correct any deviations.

Finding No:	TNR-015225
Checklist Item No:	1.4.3
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Oct-18
Checklist item:	Advanced Indicator The embedded water use of primary inputs in catchment(s) of origin shall be quantified.
Findings:	There is no precise data on the number of fertilizers and agrochemicals that represent more than 5% of the costs.
Corrective action:	1. Request the responsible area to provide detailed information on the amount of fertilizers and agrochemicals that represent more than 5% of the costs, on a semi-annual basis.

Finding No:	TNR-015044
Checklist Item No:	3.6.1
Status:	Open
Finding level:	Observation
Checklist item:	Evidence of the site’s provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.
Findings:	The showers and washing facilities for personnel handling agrochemicals are not in the best condition. These showers and PPE washing areas at Agrovisión's C5 lot do not have a roof and are outdoors, considering that there are applications at night. At both sites, there are no water heaters for the showers in the hygiene area of the agrochemical operators who also make applications during the night shifts, according to interviews with personnel responsible for the area, they finish around 4 am.
Corrective action:	1. Coordinate with the responsible area to evaluate the situation in detail and determine the most viable and realistic alternatives, seeking solutions that fit the available resources and the specific conditions of the environment, always considering the well-being of the collaborators.

Finding No:	TNR-015049
Checklist Item No:	3.9.13
Status:	Open
Finding level:	Observation
Checklist item:	Advanced Indicator Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.
Findings:	A selected reference date of the collective action site, where the quantified improvement has been achieved, has not been indicated. The contribution made by the site in material and positive terms to the implementation of the collective action is missing. From the AWS 2.0 Guidance: The site will have quantified evidence of positive impact(s) and evidence from stakeholders that the site did play a role in the collective action.
Corrective action:	1. Update document "3.9.13. Collective actions of Agrovision and Arena Verde" to add a reference date, positive impacts and evidence from stakeholders that the site played an important role in the collective action.

Report Details

Report	Value
Report prepared by	Roxana Novoa
Report approved by	Gregorio Crespo
Report approved on (Date)	23/12/2024

Surveillance

Proposed date for next audit
2025-Oct-16

Comment: This was the implementation audit. The next audit will be the first surveillance audit and should be planned accordingly

Stakeholder Announcements

Date of publication	Location
16/09/2024	LinkedIn

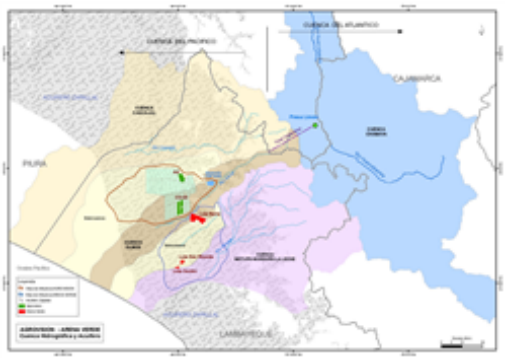
Comment: The public announcement to interested parties was made one month prior to the audit through their networks such as LinkedIn, notice on a well-known local radio station and through physical publications in local community centers, medical centers, schools and entrances to the estates, as can be seen in the attached documents and link: https://www.linkedin.com/posts/agrovisionperu_comunicado-para-stakeholders-activity-7236364468673212416-AiZP?utm_source=share&utm_medium=member_desktop.
Files: "01. RADIO COMMUNICATION", "recording of radio communication", "COMMUNITY NOTICES".

Comment: Four interviews were conducted with stakeholders of the organization. All interviewees, indicate that the information discussed in the interview can be used in a general way.
During the interviews with stakeholders it is frequently mentioned that AGROVISIÓN CORP (AGROVISIÓN Y ARENA VERDE) maintains a proactive stance with open communication, when proposing and working projects in the watersheds and aquifer in the area of influence. All answered that AGROVISION CORP, has shared its Sustainable Water Management Plan, and that in general with all of them have been working on projects together for some years ago and also have agreements or working alliances for the following years, they maintain frequent face-to-face or virtual coordination and via WhatsApp; some of the projects or activities jointly worked or ongoing to address the shared challenges are : Projects of Conservation and Regeneration of natural areas with native species; Reforestation with native plants in the Communities; Environmental Education; Workshops together on the responsible use of water; Workshops to make water drinkable; Solid Waste Management; community access to adequate WASH services, such as donation of toilets to schools, donation of drinking water to communities and Health Centers, donation of equipment for extraction of water from subway wells in the community, among others.
The expectation of the stakeholders interviewed is to continue the collaborative work on shared water-related challenges for the next few years and to achieve Water Sustainability in the communities of influence.

Catchment Information

Catchment Information

Agrovision is located within the boundaries of the Olmos watershed; however, it is supplied by the surplus of the Huancabamba River, which belongs to the Chamaya Basin.
The Olmos Tinajones Special Irrigation and Hydropower Project (PEOT) is in charge of transferring water from the Huancabamba River, one of whose tributaries is the Chamaya River, from the Atlantic to the Pacific slope through a 20 km trans-Andean tunnel for irrigation of uncultivated land and hydropower generation.
This project has a dam called El Limón, which is located in the course of the Huancabamba River, in a place called Limón, at Km. 87 of the Olmos highway. The waters of the Huancabamba River have 710 million cubic meters of water, and later other rivers that run nearby are added to this reservoir, already in the mountain ridge, such as the waters of the Tabaconas and Manchara rivers (470 million cubic meters) and the Huancabamba Bajo River with 870 million cubic meters, which makes a total storage of 2 million and fifty million cubic meters of water. This stored water must cross what is called the Trans-Andean tunnel, which crosses the Ande from the eastern side (looking at Jaén) to the western side (looking at the sea), a 20-kilometer tunnel. See file “Surface Water Infrastructure_H2Olmos”.
The supply of the Huancabamba, Chamaya and Chinchipe river tributaries amply covers the water demands for the various sectors (agricultural, population, energy, mining, livestock, and industrial). The Chamaya basin has a supply of 2,531,026,995 M3 and the demand is 902,433,434 M3, therefore, it would not affect the right of population use.
The H2O Olmos concessionaire delivers surplus water from the Huancabamba River to Agrovisión through a surface water use license issued by the National Water Authority.
Arena Verde is located within the boundaries of the Motupe watershed; however, it is not a source of supply for the organization's agricultural operations.
Agrovision and Arena Verde are supplied with groundwater from the Zapallal aquifer.
Agrovision uses groundwater on a supplemental basis since its major source of supply is surface water from the PEOT project. Arena Verde only uses groundwater from wells as a source of supply. Both sites have groundwater use licenses granted by the National Water Authority.



1.1.1. Mapa cuenca Hidrográfica y acuífero(Anexo 01).jpg

Comment

Client Description and Site Details

Client/Site Background

Agrovisión Corp Peru is an agricultural company engaged in planting, producing, packaging, and marketing premium quality fresh fruit. They specialize in growing blueberries, grapes, avocados, and asparagus on the northern coast of Peru, where they implement a sustainable agriculture model to fulfill our environmental and social commitments to local communities. Their activities are carried out in the districts of Olmos and Morrope, Lambayeque Region, in northern Peru. Due to their geographical position, both areas are known for being very dry, desert, and arid lands, with a lack of vegetation due to the surrounding ecosystem

They began operating in Peru in 2015 and since then they have devoted more than 3,000 hectares to sustainable agriculture. Their company consists of two entities: Agrovision Peru and Arena Verde, both operating in the districts of Olmos and Morrope, in the Lambayeque Region, Peru. They are Peru's third largest producer of blueberries (which accounts for a 12% market share) and the first agricultural exporter in the Lambayeque Region.

Lot C5 - Lot C6 Sur - Lot A9 - Lot B1 - Lot B2a - Lot B2b belong to Olmos Irrigation Project Lot North - Lot Central - Lot San Ricardo 2 belong to Morrope.

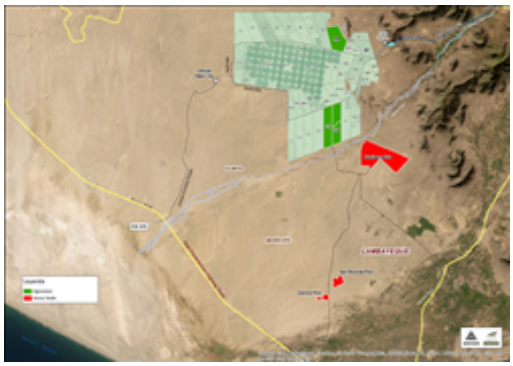
The scope of this audit only covers Lots C5, C6 and A9 of Olmos and Lots Norte, Centro and San Ricardo of Morrope.

Agrovison Peru owns the agricultural lots named C5, C6 and A9, located in the irrigation sector of the Olmos Project, Olmos district, province and department of Lambayeque. It has a total area of 2,135.82 ha, corresponding to 1,982.17 ha cultivated with blueberries, 90.62 ha with table grapes and 63.03 ha with avocado.

The source of supply is surface water from the Olmos Tinajones Special Project (PEOT) and groundwater from subway tube wells.

The H2O Olmos concessionaire delivers excess water to Agrovisión Peru through the "Hidrantes" infrastructure. Between 80% and 87% of surface water is used for irrigation.

Arena Verde has the agricultural properties of Lote Centro, San Ricardo, and Lote Norte. It is located in the San Pedro de Mórrope farming community, Mórrope district, province and department of Lambayeque. It has a total area of 508.76 ha, corresponding to 358.42 ha cultivated with asparagus, 125.82 ha cultivated with organic blueberries, and 24.52 ha with table grapes. The only source of water supply is groundwater from tube wells.



1.1.1.Mapa Satelital de ubicación AGV-ARV (Anexo 02).jpg

Comment

Summary of Shared Water Challenges

Summary of Shared Water Challenges

The main shared water challenges for the two sites are:
-Waste of water due to lack of awareness and education in the responsible use of water in the communities and population in general.
- Deficient drinking water and sanitation services in the communities, due to lack of training, tools, inputs and resources of the RURAL SANITATION SERVICES ADMINISTRATIVE BOARDS (JASS).
- Lack of wastewater treatment in the community is one of the main sources of contamination of the aquifer.
- Share knowledge on irrigation and water use efficiency techniques, increasing knowledge on crop irrigation and water use efficiency techniques among companies.
- Encourage the protection and restoration of the dry forest, since Olmos and Morrope, where the two sites are located, are considered arid zones.
-Confront water scarcity and the possibility of drought in the Olmos Project. This year, since August, the Huancabamba River flows have been at historic lows, so the Concesionaria Trasvase Olmos (CTO) has been forced to prorate the water transferred to the agroindustrial companies.
- The El Niño phenomenon occurs every few years, causing rainfall and flooding that is detrimental to crops and populations.

0.1	**General Requirements for Single Sites, Multi-Sites and Groups**
0.1.1	*Eligibility Criteria*
0.1.2	
0.1.2.1	*Have any water source locations and water-related discharge locations been visited during the audit, if so, which and where? If none were visited please provide justification.* — No
Comment	No water source or spillway was visited during the audit, due to the following reasons: -The surface water that Agrovisión is supplied with (80% to 87% of irrigation water) is supplied through the infrastructure of the Olmos Tinajones Special Irrigation and Hydro-Energy Project (PEOT). The H2O Olmos concessionaire delivers surplus water from the Huancabamba River to Agrovisión through the “Hidrantes” infrastructure. The other source of water for crop irrigation and WASH comes from the Zapallal aquifer that supplies the sites' subway wells. - The organization does not discharge wastewater; its wastewater is treated in its wastewater treatment plants (WWTPs) at both sites and a smaller percentage is treated through a service provider.
0.1.1.1	*The site(s) occupy one catchment OR an exception has been granted.* — Yes
Comment	Agrovision is located within the boundaries of the Olmos watershed; however, it is supplied by the surplus of the Huancabamba River, which belongs to the Chamaya Basin. The Olmos Tinajones Special Irrigation and Hydropower Project (PEOT) is in charge of transferring water from the Huancabamba River, one of whose tributaries is the Chamaya River, from the Atlantic to the Pacific slope through a 20 km trans-Andean tunnel for irrigation of uncultivated land and hydropower generation. The H2O Olmos concessionaire delivers surplus water from the Huancabamba River to Agrovisión. Arena Verde is located within the boundaries of the Motupe watershed; however, it is not a source of supply for the organization's agricultural operations. Agrovision and Arena Verde are supplied with groundwater from the Zapallal aquifer. Agrovision uses groundwater on a supplemental basis since its major source of supply is surface water from the PEOT project. Arena Verde only uses groundwater from wells as a source of supply.
0.1.1.2	*The scope of the proposed certification shall be under the control of a single management system.* — Yes
Comment	The scope of certification will be under the control of a single management system for both sites.
0.1.1.3	*The scope of the proposed certification shall be homogeneous with respect to primary production system, water management, product or service range, and the main market structures.* — Yes
Comment	Agrovisión Corp Peru, has stated its operational control in two sites: -Agrovison Peru farm is dedicated to the cultivation and packaging of 1,982.17 ha with blueberries, 90.62 ha with table grapes and 63.03 ha with avocado. Water management, product range, and the main market structures are homogeneous. -Arena Verde farm is dedicated to the cultivation and packaging of 358.42 ha cultivated with asparagus, 125.82 ha cultivated with organic blueberries, and 24.52 ha with table grapes. Water management, product range, and the main market structures are homogeneous. The packing plant is located in Agrovision Peru.

0.2	Requirements for Multisite Operations	
0.2.1	*Multisite Management Requirements*	
0.2.1.1	*The Multisite operation shall nominate an "AWS Group Representative".*	Yes
Comment	The organization has appointed Mr. Jorge Eduardo Aza Santillana, Sustainability and Corporate Affairs Manager, as its representative.	
0.2.1.2	*The name and location of each site within the proposed scope for certification of the Multisite operation shall be clearly defined.*	Yes
Comment	The location and name of each site is as follows: Agrovision Perú : Lote C5- C6- A9 Fundo Valle de los Ríos Cascajal y Olmos – Distrito de Olmos - Lambayeque, Olmos Arena Verde: Lote Norte, Lote Centro, Lote San Ricardo - Comunidad Campesina San Pedro de Morrope – Lambayeque Lambayeque, Morrope, 14210	
0.2.1.3	*Where a new site has been added to the multisite certificate, an onsite audit of the site was conducted prior to it being added to the certificate register.*	N/A
Comment	“This is an Initial Certification audit, where two start-up sites have been presented, therefore, this indicator does not apply.”	
0.2.1.4	*All AWS claims made by the client are managed through the "AWS Group Representative".*	Yes
Comment	All AWS complaints made by the customer are handled and will be answered through the Assistant Manager of Sustainability and Corporate Affairs Luciana Valladares Oyola, at luciana.valladares@agrovisioncorp.com. In addition, the organization has the following procedures for both sites to deal with complaints from the communities and those responsible for addressing these complaints are defined: AV-AA-PR-013 PROCEDURE FOR ADDRESSING COMMUNITY COMPLAINTS AND SUGGESTIONS ARENA VERDE and AV-AA-PR-014 PROCEDURE FOR ADDRESSING COMMUNITY COMPLAINTS AND SUGGESTIONS AGROVISIÓN PERU.	

1	STEP 1: GATHER AND UNDERSTAND	
1.1	*Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.*	
1.1.1	*The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:* *- Site boundaries;* *- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;* *- Any water sources providing water to the site that are owned or managed by the site or its parent organization;* *- Water service provider (if applicable) and its ultimate water source;* *- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;* *- Catchment(s) that the site affect(s) and is reliant upon for water.*	Yes

Comment

AGROVISIÓN has presented:
1.-AGROVISION: It has the agricultural lots named C5, C6 and A9, located in the irrigation sector of the Olmos Project, district of Olmos, province and department of Lambayeque. It has a total area of 2,135.82 ha, corresponding to 1,982.17 ha cultivated with blueberries, 90.62 ha with table grapes and 63.03 ha with avocado. See file “MANUAL GESTION DEL AGUA AGV-ARV - AWS_2024” point 1.1.1.
-Site boundaries: The lots and adjoining areas have been presented, see files “Image 2: Watersheds and aquifers”; “1.1.1 of the Sustainable Water Management Manual 2024”; ‘1.1.1. “Satellite map of AGV-ARV location (Annex 02)”.
Water-related infrastructure: The supply source is surface water from the Olmos Tinajones Special Project (PEOT) and groundwater from tube wells.

a) For irrigation surface water: The H2O Olmos concessionaire delivers surplus water to Agrovisión through the “Hidrantes” infrastructure. Eighty to eighty-seven percent of surface water is used for irrigation.
b)For irrigation groundwater:
Lot C5:
- Stage 1: Underground well No. 1, 2 and 9.
- Stage 2: Underground well N ° 3 and 4
- Stage 3: Underground well N ° 5 and 6
Lot C6:
- Stage 4: Underground well N ° 8 and 12
- Stage 5: Underground well N ° 7 and 13
Lot A9:
- Stage 6: Underground well No. 11
- Stage 7: Underground well N ° 10
- Stage 8: No well water ingress
Technified irrigation plans and reservoirs for all Lots C5, C6, and A9 are on file:
“1.1.1 Plano de ubicación pozos y reservorios Lote C5-C6 (Anexo 11)”,
“1.1.1. Planos de pozos y reservorios Lote A9 (Anexo 12)”
“1.1.1. Planos de riego Lote A9 Et1 (Anexo 7)-1”
“1.1.1. Planos de riego Lote A9 Et2 (Anexo 7)-2”
“1.1.1. Planos de riego Lote A9 Et3 (Anexo 7)-3”
“1.1.1. Planos de riego Lote C5 Etapa 1 (Anexo 05)-1”
“1.1.1. Planos de riego Lote C5 Etapa 2 (Anexo 05)-2”
“1.1.1. Planos de riego Lote C5 Etapa 3 (Anexo 05)-3”
“1.1.1. Planos de riego Lote C6 Et 4 (Anexo 06)-1”
“1.1.1. Planos de riego Lote C6 Et 5 (Anexo 06)-2”
c) For storage: Each Stage has 02 reservoirs of 25,000 m3 of capacity each; a total of 16 reservoirs.
d) Well No. 9 of lot C5 supplies the packing plant for fruit washing.
e) Drinking water treatment plant (PTAP) with reverse osmosis, then with ultraviolet light and ozonation, located in lot C5. Well N°3, Lot C5 feeds the PTAP.
f) Pre-reservoir water treatment with sulfur burner for algae control and pH control.
g) Wastewater infrastructure: No wastewater is discharged into receiving bodies. There are septic tanks and a wastewater treatment plant (WWTP) that processes 140 m3/day; the treated water is reused for irrigating roads and forest areas; sludge ponds from backwashing the fertigation rooms and sedimentation ponds; septic tanks for chemical waste from washing agrochemical PPE from the agrochemical mixing area.
-Treated water from the WWTP is transferred to the Arena Verde site for irrigation of the Reforestation Area.
- Wastewater service provider: Wastewater is transported by an operating company accredited by the Peruvian Ministry of the Environment and treated at a wastewater treatment and recovery plant located in Paita-Piura, where after treatment it is reused for road irrigation and perimeter fence irrigation (see Annex “1.1.1. AR Agrovision to Ambipetro transport route map (Annex 04)”).
2.- ARENA VERDE: It has the agricultural properties Lote Centro, San Ricardo, Lote norte. It is located in the rural community of San Pedro de Mórrope, district of Mórrope, province and department of Lambayeque. It has a total area of 508.76 ha, corresponding to 358.42 ha cultivated with asparagus, 125.82 ha cultivated with organic blueberries and 24.52 ha with

table grapes.
-Site boundaries: The lots and adjoining areas have been presented, see files see “Image 2: Watersheds and aquifers” of 1.1.1 of the Sustainable Water Management Manual 2024”; ‘1.1.1. Satellite map of AGV-ARV location (Annex 02)”.
- Water-related infrastructure: The only source of water supply is groundwater from tube wells.
a) For groundwater irrigation: The water supply for the activities of the Arena Verde farm is through 15 wells, whose water is sent to 7 reservoirs from where the irrigation of the crop areas is carried out:
- Center Lot: Wells No. 01, 02 and reservoir No. 01.
- Lot San Ricardo: Wells N ° 01, 02, 03, 04 and reservoir N ° 01
- North Lot I: Wells N ° 01, 02, 03, 04 and 05 and reservoir N ° 01
- North Lot II: Wells N ° 06, 07, 08 and 09 and reservoir N ° 01 and 02
Technified irrigation plans and reservoirs for all Central, San Ricardo and North Lots are on file:
1.1.1. Planos de riego Lote Centro (Anexo 09)
1.1.1. Planos de riego Lote Norte Et 1 (Anexo 8)-1
1.1.1. Planos de riego Lote Norte Et 2 (Anexo 8)-2
1.1.1. Planos de riego Lote San Ricardo (Anexo 10)
1.1.1. Planos pozos y reservorios Lote Centro (Anexo 14)
1.1.1. Planos pozos y reservorios Lote Norte Et1 (Anexo 13)-1
1.1.1. Planos pozos y reservorios Lote Norte Et2 (Anexo 13)-2
1.1.1. Planos pozos y reservorios Lote San Ricardo (Anexo 15)
b) For storage: 7 reservoirs, each with a capacity of 25,000 m3, from which irrigation is provided to the cultivation areas.

c) Drinking water treatment plant (PTAP) with reverse osmosis, then with ultraviolet light and ozonation, which supplies the workers' camp.
d) Wastewater Infrastructure: No wastewater is discharged into a receiving body; there are septic tanks for treating wastewater from bathrooms and a wastewater treatment plant (WWTP) next to the workers' camp; septic tanks for chemical waste from washing agrochemical PPE from the agrochemical mixing area.
- Wastewater service provider: Wastewater is transported by an operating company accredited by the Peruvian Ministry of the Environment and treated at a wastewater treatment and recovery plant located in Paita-Piura, where after treatment it is reused for road irrigation and perimeter fence irrigation (see Annex “1.1.1. AR Agrovision to Ambipetro transportation route map (Annex 04)”).
-Basins and Aquifer:
Agrovision is located within the boundaries of the Olmos Basin, however, it is supplied by the surplus of the Huancabamba River that belongs to the Chamaya Basin.
The Olmos Special Irrigation and Hydropower Project (PEOT) is in charge of transferring water from the Huancabamba River, one of whose tributaries is the Chamaya River, from the Atlantic slope to the Pacific slope through a 20 km trans-Andean tunnel for irrigation of uncultivated land and hydropower generation.
This project has a dam called El Limón, which is located in the course of the Huancabamba River, in the place called Limón, at Km. 87 of the Olmos highway; the waters of the Huancabamba River have 710 million cubic meters of water, and later other rivers that run nearby are added to this reservoir, already in the mountain ridge such as the waters of the Tabaconas and Manchara rivers (470 million cubic meters) and the Huancab Bajoamba River with 870 million cubic meters. This makes a total storage of 2.5 million cubic meters of water.
This stored water must cross what is called the Trans-Andean tunnel, which crosses the Ande from the eastern side (looking at Jaén) to the western side (looking at the sea), a 20 kilometer tunnel that separates the eastern and western parts.
The supply of the Huancabamba, Chamaya and Chinchipe river tributaries amply cover the water demands for the various sectors (agricultural, population, energy, mining, livestock, industrial). The Chamaya basin has a supply of 2,531,026,995 M3 and the demand is 902,433,434, therefore, it would not affect the right of population use.
The H2O Olmos concessionaire delivers the surplus water from the Huancabamba River to Agrovisión.
Arena Verde is located within the boundaries of the Motupe watershed, however, it is not a source of supply for the organization's agricultural operations.

Agrovision and Arena Verde are supplied with groundwater from the Zapallal aquifer. Agrovision uses groundwater on a supplemental basis since its major source of supply is surface water from the PEOT project. Arena Verde only uses groundwater from wells as a source of supply.
See the file “MANUAL GESTION DEL AGUA AGV-ARV - AWS_2024 in point 1.1.1”.

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

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

Yes

Comment: The organization has identified for each site a list of 27 stakeholders (27 for Agrovisión and 27 for Arena Verde), such as agricultural peers, groundwater user boards, villages and towns in the area of influence, government agencies, and service providers. The list of stakeholders and evaluation has been made according to the influence and/or impact they have on each site, as well as the neutral parties that are in it, and the relationship with the stakeholders has also been described as old-recent, near-far, strong-weak. Likewise, its water-related challenges have been described; see Excel files: “STAKEHOLDERS_AGROVISION” and “STAKEHOLDERS_GREEN_SAND”. To determine stakeholder power, interest and commitment on a scale from low to high for Agrovision and Arena Verde, the “Stakeholder Power, Interest and Commitment Matrix” from the AWS 2.0 STANDARD GUIDE in Figure 1” has been used. See file “1.2.1 of the WATER MANAGEMENT MANUAL AGV-ARV - AWS_2024- Tables N°s 03 and 04”.
Stakeholder consultations on water-related interests and challenges; were conducted through emails, face-to-face meetings and surveys, See some files in “1.2.1 H20LMOS Consultation”, “1.2.1 PEOT Consultation”; “AR-RC-PN-001 Community Relations Plan SIGNED”; “Photo-Exhibition PR Plan to CCSPM”; “Mórrope Peasant Community Survey”, Stakeholder Survey, “Morrope - CCSPM” (physical letters), etc.

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

Yes

Comment: Agrovision and Arena Verde have evaluated the current and potential influence with each of the identified stakeholders as can be evidenced in the Matrices: “Agrovision Influence and Power Matrices”; “Arena Verde Influence and Power Matrices” and in the Excel files: “STAKEHOLDERS_AGROVISION” and “STAKEHOLDERS_ARENA_VERDE”.

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.*

Yes

Comment	Agrovision has the PAE - Emergency Activation Protocol for risk of overflow of the Palo Verde reservoir, which aims to establish the procedure that indicates measures and/or actions in the Emergency Activation for risk of overflow of the Palo Verde reservoir, define alert and evacuation levels and signals, define channels and means of communication; see file “1.3.1 PAE - Emergency Activation Protocol PV”. For the site, there is an Agrovisión contingency plan to deal with emergencies such as earthquakes, fire, explosion, flooding, spills and leaks of hazardous materials, gas leaks, and sulfur dioxide (SO2) leaks; see file “PLAN DE CONTINGENCIAS AGV FUNDO”. There is also an emergency response plan for the Packing plant to deal with earthquakes, heavy rains, fires, spills of hazardous materials/substances, and leaks of hazardous materials. See file “GH-SST-PN-001-PE - Contingency Plan - Packing”. There is also an Environmental Emergency Plan, which applies to all activities carried out by Agrovisión Corp's own and third party personnel (Agrovisión and Arena verde) to deal with oil spills, water spills due to pipeline damage, fires, earthquakes, etc. See file “AV-AS-PN-009 Environmental Emergency Plan”. Arena Verde also has a “Contingency Plan” to deal with emergencies such as earthquakes, rains, fires, explosions, chemical spills, floods, etc. See file “GH-SST-PN-009 Environmental Emergencies Plan”. See file “GH-SST-PL-003 - Contingency Plan of ARENA VERDE S.A.C 2024”; likewise, the Disaster Risk Prevention and Reduction Plan for the Department of Lambayeque 2023 - 2030 has been identified for Arena Verde for heavy rains and floods. See file: “LAMBAYEQUE DISASTER PREVENTION PLAN 2023-2030”.
1.3.2	*Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped* — Yes

Comment	The organization has identified and mapped the Water Balance of each site in the “Agrovision and Arena verde-AWS-2024 Water Management Manual ”in point 1.3.2; having: 1.- AGROVISION: Inputs: surface water from H20Olmos of the PEOT through 3 Hydrants (C5, C6 and A9) + water from subway wells + precipitation + treated water for drinking water + treated water from the WWTP for irrigation of green areas. Outputs: -Water for crop irrigation: water used for the development and nutrition of blueberry, grape, avocado crops. -Water used for canteens and toilets located in the different fields, canteens. -Water used for the application of agrochemicals in the fields. -Drinking water for human consumption, domestic use, distribution to collaborators. -Water used in the packing plant for the asparagus process, packing disinfection process, packing sanitary facilities. -Wastewater treated and reused for irrigation of green areas. -Water used for washing and disinfection of the bins that transport the fruit from the fields to pakcing. -Water used to irrigate roads for pollution control. -Water evaporated during storage in reservoirs. Agrovision, in its commitment to sustainable management, reuses 100% of its treated wastewater to irrigate the forest reserve located in the North lot. The excess volume is sent to final disposal to be treated and disposed of by an operating company; this effluent is equivalent to 20%. 2.- GREEN SAND: Inputs: water from groundwater wells + rainfall + treated water for drinking water + treated water from WWTP for irrigation of green areas. Outputs: -Water for crop irrigation: water used for development and nutrition of blueberry, grape, avocado crops. -Water used for canteens and sanitary services located in the different fields, canteens. -Water used for the application of agrochemicals in the fields. -Drinking water for human consumption, for domestic use, distribution to collaborators. -Water used in the packing plant for the asparagus process, packing disinfection process, packing sanitary facilities. -Wastewater treated and reused for irrigation of green areas. -Water used for washing and disinfection of the bins that transport the fruit from the fields to pakcing. -Water used to irrigate roads for pollution control. -Water evaporated during storage in reservoirs.	
1.3.3	*Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.*	in progress

Comment

The water balance of each site has been presented in the files: “BALANCE HIDRICO AGV SET 2024” for Agrovisión and “BALANCE HIDRICO ARV SET 2024” for Arena Verde. The water balance presented is from January to September 2024 (9 months), and is also described in the file “MANUAL GESTION DEL AGUA AGV-ARV - AWS_2024” in point 1.3.3. Flow meters installed at specific points of the infrastructure are used to read the volume of water consumed.
1.- Agrovisión Water Balance in Lots C5, C6 and A9:
Irrigation for crops is as follows: Lot C5 of 669.08 has of avocado, blueberry and grapevine crops; Lot C6 of 391.6 has of blueberry and grape crops; Lot A9 of 851.15 has of blueberry.
Groundwater use is 13% in the case of Lot C5 and the rest is surface water and some rainfall.
Groundwater use is 16.3% for lot C6 and the remainder is surface water and some rainfall.
Inflows: Groundwater from 13 wells: 1,651,050.00 m3 (for irrigation and from well N°3 Lot C5 also for drinking water for human consumption).
Surface water from H20/Olmos: 13,418,252.00 m3 (for irrigation).
Precipitations: 277,975.00 m3
Treated water for drinking water: 9,871.00 m3 (from well N°3 Lot C5).
Treated water from the WWTP for irrigation of green areas: 19,002.00 m3
TOTAL water input: 15,376,150.00 m3
Outflows: in Total: 15,442,166.00 m3
-Water for crop irrigation: water used for the development and nutrition of blueberry, grape and avocado crops. OK
-Water used for canteens and toilets located in the different fields, canteens, etc. OK
-Water used for the application of agrochemicals in the cultivation fields.
-Drinking water for human consumption, for domestic use, distribution to collaborators.
-Water used in the packing plant for the asparagus process, packing disinfection process, packing sanitary facilities.
-Wastewater treated and reused for irrigation of green areas.
-Water used for washing and disinfection of the bins that transport the fruit from the fields to pakcing.
-Water used for road irrigation for pollution control.
-Water evaporated during storage in reservoirs.
-Water infiltrating into the soil. OK.

Agrovision, in its commitment to sustainable management, reuses 100% of its treated wastewater to irrigate the forest reserve located in the North lot.
The excess volume is sent to final disposal to be treated and disposed of in an operating company, these effluents are equivalent to 20%.
Balance: Inflows - Outflows = -66,016.00 m3
2.- Green Sand Water Balance in the Center, San Ricardo (Center Lot Stage II) and North Lots:
Irrigation for crops is as follows: It has a total area of 508.76 ha, corresponding to 358.42 ha cultivated with asparagus, 125.82 ha cultivated with organic blueberry and 24.52 ha with table grapes.
Inflows: Groundwater from 15 wells: 3,980,134.00 m3 (for irrigation).
Precipitation: 14,937.00 m3
Treated water for drinking water: 62,498.00 m3
Treated water from the WWTP for irrigation of green areas: 56,223.00 m3
TOTAL water input: 4,113,792.00 m3
Outputs: in Total: 4,011,964.00 m3
-Water for crop irrigation: water used for the development and nutrition of blueberry, asparagus and grape crops. OK
-Water used for kitchen, laundry and sanitary services, OK.
-Water used for the application of agrochemicals in the crop fields, OK.
-Drinking water for human consumption, for domestic use, distribution to collaborators.
-Waste water treated and reused for irrigation of green areas.
-Water used for irrigation of roads for pollution control.
-Water evaporated during storage in reservoirs.
-Water used for forestry
-Water from rejects for road irrigation.
-Water from infiltration losses in the soil.

Balance: Inflows - Outflows = 101,828.7.00 m3
Water consumption from groundwater wells and surface water is below that granted in the Licenses by the national authority.
However, the Evapotranspiration identified and mapped in 1.3.2. for both sites has not been considered in the Water Balance.
In the outflows from the Agrovisión WWTP, it is not clear the % of treated water that goes to irrigation of the Green Sand Forest Reserve (IWRA), the % of treated water that is for irrigation of green areas of Agrovisión and % of water that leaves the WWTP without treatment that is managed by third parties in another basin (AMBIPETRO, ECOVIVESOCIAL, the latter only performs the transport).
-In the Water Balance of Arena Verde the data of water consumption of the Forest Nursery and water used in the irrigation of reforested plants, it is not clear what percentage comes from Agrovisión's WWTP.

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

Comment	The organization has performed the analysis of water quality for agricultural irrigation in different sampling points established for Agrovisión and Arena Verde; as in the Hydrants which is the entrance of surface water for irrigation in Agrovisión, in subway wells, periodically and according to the review of the “Test Reports”, in microbiological, parasitological, physicochemical and inorganic parameters (heavy metals among them) complying with the ECA (Environmental Quality Standards for water) category 3 irrigation of vegetables according to law in the country (D. S. N° 004-2017-MINAM). Likewise, water quality analysis for human consumption has been carried out, according to file review, performed in the 2 sites, in microbiological, parasitological, organoleptic and inorganic parameters (heavy metals among them); complying with the law of the country, the Regulation of Water Quality for Human Consumption, in its Annex I, Annex II and Annex III of Supreme Decree N°031-2010-SA. See files: “RESULTADOS ANÁLISIS PLANTA OZON. 09-04-24” and “Abril_2024_IE-24-9404 (OS-24-0241)” for Agrovisión. See files for Arena Verde: “INF N°43 - REPORT ANALYSIS OF DRINKING WATER - CAMPAMENTO WTP”, “RESULT. PTAP INPUT ANALYSIS (1)”, ”RESULT. PTAP OUTPUT ANALYSIS (1)”. The contracted laboratories are external laboratories accredited by the National Quality Institute (INACAL). There is no water-related challenge that poses a threat to good water quality for people or the environment, since the water quality parameters for irrigation and human consumption are met by law. The Excel file “ANALISIS DE AGUA HIDRANTE-POZOS” is attached. where the results are shown for each parameter on different dates for the two sites; the last analyses performed were in July 2024. -Analysis of irrigation water in the hydrants in the files for Agrovisión: 24.05_IE-24-13198 (OS-24-0352) oficial A9 24.05_IE-24-13199 (OS-24-0352) C5 24.06_IE-24-16051 (OS-24-0352) oficial A9 24.06_IE-24-16171 (OS-24-0352) oficial C5_C6 24.07_IE-24-19985 (OS-24-539) Entrada de reserv 24.07_IE-24-19986 (OS-24-539) Antes de filtrado 24.07_IE-24-20027 (OS-24-538) A9 24.07_IE-24-20029 (OS-24-538) C5_C6 -Water analysis for irrigation wells on file for Agrovisión: 24.07_IE-24-19934 (OS-24-0537) P2 24.07_IE-24-19935 (OS-24-0537) P3 24.07_IE-24-19937 (OS-24-0537) P6 24.07_IE-24-19938 (OS-24-0537) P4 24.07_IE-24-19939 (OS-24-0537) P9 24.07_IE-24-19940 (OS-24-0537) P7 24.07_IE-24-19942 (OS-24-0537) P10 24.07_IE-24-19945 (OS-24-0537) P11 24.07_IE-24-21845 (OS-24-0537) P8 24.07_IE-24-21847 (OS-24-0537) P12 -Análisis de agua para riego los pozos en los archivos para Agrovisión: 24.07_IE-24-20047 (OS-24-0537) P8 24.07_IE-24-20050 (OS-24-0537) P9 23.12_IE-23-29465 Agua OFICIAL ARV
1.3.5	*Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.*	Yes

Comment

The organization has identified the following sources of contamination:

Agrochemical warehouses.
Fertilizer warehouses.
Solid waste warehouses.
Warehouses for empty containers and hazardous waste.
Mixing preparation points.
Latrines.
Wastewater treatment plant C5 and North Lot.
Fuel storage facilities, which include a tank and a dispenser located within a warehouse with an impermeable floor (cement) and an operator responsible for refueling.
These sources are mapped in the following files:

Cartografía_A9_AGOSTO_2024_Setiembre2024
Cartografía_C5C6_Setiembre2024 (2)
Cartografía_lote_centro_pañala_E1_Setiembre_2024
Cartografía_lote_centro_san_Ricardo_Setiembre_2024
Cartografía_lote_norte_E1_Setiembre2024
Cartografía_lote_norte_E2_Setiembre2024
Additionally, there is a “LIST OF AGROCHEMICALS AND FERTILIZERS”, managed through the ERP SAP system, which is physically handled in the warehouses at each farm through the ERP NISIRA system.

In the chemical storage areas, such as agrochemical warehouses, Safety Data Sheets are maintained, and area personnel know what to do in case of an accident involving these chemicals. Hazardous waste storage areas are marked with risk signs to comply with local regulations. Fuel storage tanks are identified with risk signs and have secondary containment walls to prevent potential spills into water bodies.

Moreover, in the file “LO-AL-PO-001 WAREHOUSE POLICIES-JUNE”, good storage practices have been identified to prevent incidents such as spills.

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

Yes

Comment

The important water related areas identified for Agrovision and Arena Verde are the “Living Fences and Windbreaks” for both sites and in addition in Arena Verde there is a Forest Reserve of 1,174.00 hás of native species with a projection of reaching 1,980.00 hás, its status and value is shown in the Excel file “IWRA SITE”. The site's IWRAs are mapped in the following files: “MAPA DE CERCOS VIVOS – AGROVISION”, “MAPA DE CERCOS VIVOS - ARENA VERDE”, “ÁREA DE RESERVA AGROVISION FINAL (Arena Verde Forest Reserve Area)”, “ARENA VERDE - COMPONENTE BOSQUE SECO Y CONECTIVIDAD 2023 VF”.

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

Yes

Comment

The organization has identified the costs related to water, complying with the regulations and the needs of the company, which are registered in the ERP-SAP system; see files: “07_REPORTE DE INVERSIONES AL 31.07.204_AGV (2)”, with the costs of Agrovisión as of July 31, 2024; “07_REPORTE DE INVERSIONES AL 31. 07.24_ARV (2)” with the costs of Arena Verde as of July 31, 2024; additionally in the file ‘Operating costs AGV and ARV’, the operating costs of both sites for maintenance, labor, water monitoring among others in the period January 2023 to July 2024.
To date, the organization has no direct annual water-related revenues.
The water-related social, environmental, and economic value generated by the site are detailed in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024" ITEM 1.3.7.

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

Yes

Comment

Each site has adequate sanitary facilities with toilets, sinks, urinals and showers, located in accessible and nearby places and identified for each sex and in accordance with the law “RM N° 200- 2021-TR Establishing technical criteria to determine the type and number of sanitary devices in the agricultural sector”. It is important to mention that each latrine in the field has a disinfection point (water, soap and paper towel). See files:
Cartografía_A9_Distribucion_Cultivo_Actualizado_Junio_2024
Cartografía_C5C6_Distribucion_Cultivo_Actualizado_Junio_2024
Cartografía_Lote_Centro_Etapa_1_Pañala_Distribucion_Cultivo_Actualizado_Junio_2024
Cartografía_Lote_Centro_Etapa_2_San_Ricardo_Distribucion_Cultivo_Actualizado_Junio_2024
Cartografía_Lote_Norte_Etapa_1_Distribucion_Cultivo_Actualizado_Junio_2024
Cartografía_Lote_Norte_Etapa_2_Distribucion_Cultivo_Actualizado_Junio_2024
COMEDORES_C5,C6 Y A9
LETRINAS - C5 , C6 Y A9 (1)
LETRINAS ARV . NORTE - CENTRO - SAN RICARDO.
The organization has 2 drinking water treatment plants by a Reverse Osmosis process, and Ozonification for each site, which is then distributed in 20 liter drums, at different points in the field and work areas of the sites for workers. Both sites comply with the quality parameters according to the legislation “D.S. N°031- 2010- SA., Reglamento de la Calidad de Agua para consumo Humano” (Regulation of Water Quality for Human Consumption) according to file review: “RESULTADOS ANÁLISIS PLANTA OZON. 09-04-24” y “Abril_2024_IE-24-9404 (OS-24-0241)” for Agrovisión. View archives for Arena Verde: “INF N°43 - INFORME ANÁLISIS DE AGUA POTABLE - PTAP CAMPAMENTO”, “RESULT. ANALISIS ENTRADA PTAP (1)”, “RESULT. ANALISIS SALIDA PTAP (1)”.
At Agrovision and Arena Verde, industrial wastewater and some domestic wastewater are managed by an EO-RS ECOVIVE SOCIAL, which is responsible for managing the wastewater, from transportation to final disposal in a secure landfill. Domestic wastewater is managed in a WWTP (wastewater treatment plant) located on the C5 farm, with a capacity of 140 m3/day. Part of this treated water is used to irrigate the Arena Verde forest reserve.
At Arena Verde, wastewater is managed through another WWTP, with a treatment capacity of up to 250 m3/day, where domestic effluents from the sanitary facilities are treated using the cross-flow activated sludge system, then disinfected and reused to irrigate green areas in the camp facilities.

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

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

Yes

Comment

None of the primary inputs are produced in the basin; therefore, this indicator does not apply. However, in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” ITEM 1.4.1 a list is given with the inputs of great importance for the productive process.

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

Yes

Comment

Water consumption for washing and disinfection of contracted personnel transport vehicles has been identified in the Excel file “Water consumption for washing and disinfection of transport vehicles”, registering a consumption of 2,367.3 m3/vehicle during the year 2023; a total of 3,638.0 vehicles were registered for the two sites.

1.4.3 *Advanced Indicator*
The embedded water use of primary inputs in catchment(s) of origin shall be quantified.

in progress

Comment

The primary inputs that represent more than 5% of the costs are fertilizers and agrochemicals used on crops; more than 90% of these inputs are imported from other basins outside the country.
In the Excel file “List of agrochemicals and fertilizers” an average of 68 suppliers and 332 products were presented; however, there is no precise data on the number of fertilizers and agrochemicals that represent more than 5% of the costs; see Excel file “CD request for inputs by crop 2024”.
The organization mentions that despite its efforts to request information from its suppliers to comply with the indicator, it has had no response. Only one supplier SQM VITAS has shared its Sustainability 2023 report detailing the overall water balance of its fertilizer manufacturing plants, however, it does not specify the virtual water used for production per unit of specific product. Two supplier queries are shown in the files shown: “Consulta consumo de agua proveedor Stoller”; “Correo_ SQM -Última respuesta”; “SQM-Reporte-2023_Final0507”; “Imagen Report. sost pag 404 – SQM”.

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

1.5.1 *Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.*

Yes

Comment

The organization has identified technical water administration documents such as the “Delimitation Study of the Territorial Scope of the Motupe - Olmos Local Water Administration” attached in the file “ESTUDIO CREACIÓN ALA MOTUPE OLMOS-2013”, which aims at its approval to provide a technical-legal instrument that contributes to the optimal management and administration of water resources at the local level in water administration. The Directorial Resolution of Approval of the Delimitation of the Groundwater Hydraulic Sector Valle Nuevo de Olmos-Class B shown in the files “APROBACIÓN DEL SECTOR HIDRÁULICO DE AASS VALLE NUEVO DE OLMOS 03 JUNIO” and “Delimitación del Sector Hidráulico AGV,ARV” to which the two sites belong.

Additionally, the organization is part of a Board of groundwater users along with other agro-exporting companies since March 2023, for the sustainable management and monitoring of groundwater, in which its members interact and make decisions. See files: “RESOLUCIÓN DIRECTORAL N° 0001-2023-ANA-DOUA”.

The organization has identified the Directorial Resolution for the Surface Water Use License administered by the PEOT Concessionaire (Olmos Tinajones Special Project), H2Olmos, with the annual volumes of water for irrigation. See file “Licencia RD 2011-2014-ANA-AAA-JZ-V”.

In the file “Ley de recursos hídricos N° 29338”, the organic structure of the National Water Authority (ANA), the governing body and highest technical and regulatory authority of the national water resources management system, is detailed. It is also identified in the file “National Water Resources Plan”, which is a planning instrument approved by Supreme Decree N°013-2015-MINAGRI and responds to the National Water Resources Policy and Strategy (PENRH), which is based on 05 Policy Axes, for each of which 11 Intervention Strategies and 30 Programs of Measures for 20 years are defined. See files: “Water Resources Law 29338”, “National Water Resources Plan”.

Finally, the New Administrative Board of Sanitation Services (JASS) of the La Algodonera hamlet of the Olmos district 2023-2025 has been identified. According to the file “JASS-ALGODOBERA MAYOR'S RESOLUTION” with which several works are carried out jointly on issues of access to drinking water and sanitation for the community.

1.5.2 *Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.*

Yes

Comment	The organization has identified the applicable legal and regulatory requirements related to water for the sites, in the Excel file “AV-AS-MZ-001 Matrix of Environmental Legal Requirements and Permits - V2- (31.08.2024)”, as an example of legal compliance we have the Licenses for water use of subway wells shown in the files: : “RD N° 1218-2020- ANA-AAA-JZ-V (1)” of Agrovisión's well N°03, “RD N°1529-2018-ANA-AAA-JZ-V” of two wells of the lots C5 y C6 de Agrovisión.

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

Comment

There are different documents with different data available:
- “BALANCE INTEGRADO HÍDRICO DEL PEOT Y LA CUENCA DEL RIO OLMOS.(1)”, which mentions the existence of 752 wells in the district of Olmos, of which only 60% is used and according to INRENA (Intendencia de Recursos Naturales) approximately 47 million m3 is exploited covering 36% of the agriculture in the area. Drinking water use is 1.85%. Population demand is 1,885,788 m3 of water/year; however, potable water and sanitation services are 38%. The gross water demand from crops is 3,028,596.00 m3. The Olmos River produces 40 MMC per year with a persistence of 75%, which means an annual volume of 1,047,660.00 m3. Therefore there is a Water demand not covered by surface water of 1,980,936.00 m3 which corresponds to 65.41% of the Water Demand. Source: All this consignment of data taken from the PROFUDUA study “PROGRAM OF FORMALIZATION OF WATER USE RIGHTS VALLEY OF OLMOS-OCTOBER 2006 of the MINISTRY OF AGRICULTURE AND INRENA allows us to estimate a balance of the Olmos river basin without PEOT water.
As other data, the Olmos River surface water supply is 36,671,616 m3, groundwater supply is 47,365,381 m3 , precipitation is 9,380,000 m3, total supply is 93,416,997 m3. The population demand is 1,885,788 m3, the agricultural demand is 127,946,000.00; total demand is 129,831,788.00 m3, the Balance is negative -36,414,791 m3 for both agriculture and population; this Balance has not included the water contribution of the PEOT (Olmos Tinajones Special Project).
-There is also a document of Olmos Irrigation by JPC (Jorge Pasco Cosmópolis)-May 2020 in the file “OPTIMIZATION REPORT JPC”, in which the Olmos Tinajones Project is presented in schematic form, to serve 38,000. 00 hás of the New Valley to which Lots C5, C6 and A9 belong with an availability of water resources for irrigation of surface water mainly from the trans-Andean derivation of the Huancabamba River with 405 MMC, then the resources of the Olmos River will be integrated with an average annual volume of 13 hm3, the subsoil resources are not well determined. This document presents the water demand per crop in the most optimal scenario.
-Finally, with the PEOT (Olmos Tinajones Special Project), the PEOT waters have a surplus of 139,381,126 MMC, but the 2nd stage of the OLMOS project is still missing. In the union of the two balances, that of the basin and that of the special project, there would be a surplus in the Olmos river basin of 102,966,335 MMC. See “-”INTEGRATED WATER BALANCE OF THE PEOT AND THE OLMOS RIVER BASIN (1)”.
Percolation losses and water outflows in fruit and vegetables require additional work to refine the water balance. We considered them but they have not been estimated.
The situation of drinking water, sanitation and water for small agriculture has not been solved with the new water supply to the valley, there is and are pending the realization of agreements for the arrival of water from the project to the old valley of Olmos, so called the agricultural area composed of bread crops, few fruit trees, about 15 thousand hectares of land with production potential. See “-”INTEGRATED WATER BALANCE OF THE PEOT AND THE OLMOS RIVER BASIN (1)”.
-According to document “5.4_.2_._Water_availability_for_the_Olmos_Irrigation_Project”, the annual demand of the 38,000.00 ha of the Olmos Tinajones Special Project is 343 Hm3/year, the population demand is 9.5 Hm3/year, the agricultural demand for the Santo Domingo de Olmos Rural Community is 33 Hm3/year. The final balance shows a deficit of 15%.

Arena Verde has the “Water Balance of the Motupe-La Leche River Basin” and the “Hydrological Study of the Motupe la Leche Hydrographic Unit” (file “MOTUPE LA LECHE RIVER BASIN”) by ANA and Ministry of Agriculture and Irrigation year 2019; with the following results: the Motupe La Leche river basin has a water deficit of 4. 522 hm3/year, on average, significant in the month of March with 1,318 hm3 /year and surplus of 95.92 hm3 /year being significant in the months of February to May.
Considering the supply at 75% persistence, the Motupe La Leche river basin has no water deficit in normal and wet years, only in dry years, i.e. water is guaranteed for the formalized demands.
The current total water demand in the Motupe La Leche river basin is 93.24 hm3 /year, between population and agricultural use, the rest being non-consultative use. Likewise, the total met demand is 88.44 hm3 /year hm3 /year and the unmet demand is 4.522 hm3 /year.

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

Yes

Comment

1) For Agrovisión: Surface Water of the PEOT Project:
In the file “1.5. 4 Physicochemical characteristics of the Huancabamba river water"- 2010, the University of Piura has submitted test reports, detailing the physicochemical and microbiological characteristics of the Huancabamba river within the Olmos Irrigation Project; Likewise, in the file “Water quality of the Huancabamba River”, there is a Thesis of the Catholic University Sedes Sapientiae UCSS, which presents results of the physical-chemical and microbiological parameters year 2020”, showing the microbiological parameters of thermotolerant coliforms higher than the water quality standard (ECA).
Also, in the file “70-Article Original-250-1-10-20200303”, the “Water quality and diversity of aquatic macroinvertebrates of the Huancabamba river in the El Limón dam section, Lambayeque - Peru” year 2019 is shown, concluding that the values of the Andean Biotic Index classify the waters of the Huancabamba river as of good quality. The water quality present in the evaluated basins can still be considered with little disturbance, but with a growing threat especially where there is agricultural activity and operation of the El Limón dam.
2) For Arena Verde:
Likewise, the ANA (Local Water Authority), has issued the Hydrogeological Study of the Aquifer (Zapallal formation) Motupe - La leche in 2019, with the comparative results according to the ECA (National Environmental Quality Standards for Water) standard pages 111 to 128, where it classifies the wells according to the categories of the standard, some that can be potabilized with disinfection and others with conventional treatment, other wells for restricted and unrestricted irrigation and the physical chemical and biological characteristics of the water of these wells are shown. Also the ANA (Local Water Authority), has conducted monitoring according to the ECA to the Motupe River and La Leche River in 2018 and 2019, meeting the parameters in category 3-D1 and cat3-D2 which are displayed in the files : 2024_07_21_18_37_46_532; 2024_07_21_18_39_05_418; 2024_07_21_18_39_53_279; 2024_07_21_18_46_13_565; 2024_07_21_18_46_50_488.
It is worth mentioning that groundwater monitoring is within the activities programmed in the POMDIH 2024 (Plan de Operación, Mantenimiento y Desarrollo de la Infraestructura Hidráulica Menor), developed by the Junta de Usuarios de aguas subterráneas del Nuevo Valle de Olmos of which the site is a member.
In addition, the organization constantly analyzes water from hydrants (surface water entry points) and wells to verify the quality of the aquifer water.
There is an interpretation report of the results of the water quality of the well that supplies water to the city of Morrope, showing that it complies with the characteristics established for water for human consumption. See files “Results of water quality analysis Morrope”, “Interpretation of water results - Morrope”.

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

Yes

Comment

The important water-related areas in the watershed are shown in Table No. 15 in section 1.5.5 of the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024”. For Agrovisión there is the “Palo Verde Reservoir” and the Olmos River; for Arena Verde it is the Motupe River and the Forest Reserve of 1,174.00 hás of native species with a projection of reaching 1,980.00 hás; the status and value of these identified IWRAs are shown in the same Table N°15 and are mapped in the following files: “1.1.1. Mapa cuenca Hidrográfica y acuífero(Anexo 01)”, “ÁREA DE RESERVA AGROVISION FINAL (6)”¸ “ARENA VERDE - COMPONENTE BOSQUE SECO Y CONECTIVIDAD 2023 VF”.

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

Yes

Comment	Overflow risk, emergency activation protocol for overflow risk. The Olmos Project infrastructure has been identified for Agrovision and can be seen in the files: “Infraestructura Agua superficial_H2Olmos.ppt”, ““Infraestructura de embalses.pdf”, “1.5.6 INFRAESTRUCTURA.doc”, “Resumen-ejecutivo-proyecto-irrigacion-olmos-enero-2011_Datos.pdf”. In the case of Arena Verde, the infrastructure of water wells and reservoirs has been identified, which can be viewed in the following files: “1.5.6 INFRAESTRUCTURA.doc”, “ARV_ESTADO DE INFRAESTRUCTURAS_POZOSyRESERVORIOS.ppt” In the case of the Olmos basin, 28 infrastructures have been identified corresponding to 1 hydraulic sector, lateral canals, diversion canals and intakes. For the Motupe basin, 748 infrastructures have been identified corresponding to 4 hydraulic sectors corresponding to lateral canals, diversion canals and intakes.	
1.5.7	*The adequacy of available WASH services within the catchment shall be identified.*	Yes
Comment	The organization has the National Sanitation Plan 2022 - 2026, which has the general objective of guaranteeing universal, quality access to water and sanitation services in our country. See file: “PLAN_NACIONAL_DE_SANEAMIENTO_web_web.pdf”. According to the file “ODS 6 2024.pdf”, on the “ODS 06” Progress Report, it is mentioned that at national level 89.9% of the national population has access to water service by public network; however, 37.4% of households have safe water. See files: “DEFICIT DE AGUA POTABLE Y SANEAMIENTO DISTITAL 2007 INEI.pdf”; “DIAGNOSTICO_DE_INDICADORES_DE_BRECHAS_SECTOR RURAL AGUA Y SANEAMIENTO.pdf”.	
1.5.8	*Advanced Indicator* *Efforts by the site to support and undertake catchment level water-related data collection shall be identified.*	Yes
Comment	The organization promotes “Participative Monitoring of water quality for human consumption” in the Las Norias community with the objective of involving the community and stakeholders in monitoring and evaluating water quality, this activity is being carried out in conjunction with other peer companies. See files “1.5.8 Share results Las Norias-MDO”, “Share information-Pampa Baja (1)”, “Share information-Plantaciones del sol (1)”; “Results of water analysis in Las Norias”. The organization has collected technical reports issued by SUNASS (National Superintendence of Sanitation Services) concerning the JASS (Administrative Boards of Sanitation Services) and results of water quality analysis of Olmos villages, this allows us to know the current situation of our stakeholders in relation to access to water. See “INFORME 0076-2024-SUNASS-ODS-LAM-ESP JASS MÉDANO [R]”, “INFORME 0077-2024-SUNASS-ODS-LAM-ESP JASS ALGODONERA [R] (2)”, “INFORME 0078-2024-JASS CUTIRRAPE”. The organization mentions that in coordination with the JASS Las Norias, it carried out an activity to implement improvements in the chlorination system, improving water quality for the population. See “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” en el punto 1.5.8.	
Score	4	
1.5.9	*Advanced Indicator* *The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.*	Yes
Comment	The organization shows that fertilizers and agrochemicals are manufactured in developed countries where more than 90% of the population has access to water, sanitation and hygiene services, such as Russia, Germany and Sweden. View archives archivos “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024 en el punto 1.5.9” and Excel file “Lista de agroquímicos y fertilizantes”.	
Score	4	
1.6	*Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site’s water challenges.*	

1.6.1	*Shared water challenges shall be identified and prioritized from the information gathered.*	Yes
Comment	The organization has identified the challenges shared with stakeholders such as the community in the area of influence, schools, JASS (Juntas Administradoras de Servicio de Saneamiento en el ámbito rural), Junta de Usuarios de aguas subterráneas, PEOT (Proyecto especial de Olmos Tinajones, etc.) and has defined the priority for each of them. See files: “DESAFIOS HIDRICOS E INICIATIVAS AGROVISION (2)”; “DESAFIOS HIDRICOS E INICIATIVAS ARENA VERDE (2)”.	
1.6.2	*Initiatives to address shared water challenges shall be identified.*	Yes
Comment	The organization has identified the initiatives to address the challenges shared with stakeholders such as the community in the area of influence, schools, JASS (Juntas Administradoras de Servicio de Saneamiento en el ámbito rural), Junta de Usuarios de aguas subterráneas, PEOT (Proyecto especial de Olmos Tinajones, etc.) and defined the priority for each of the initiatives. See files: “DESAFIOS HIDRICOS E INICIATIVAS AGROVISION (2)”; “DESAFIOS HIDRICOS E INICIATIVAS ARENA VERDE (2)”.	
1.6.3	*Advanced Indicator* *Future water issues shall be identified, including anticipated impacts and trends*	Yes
Comment	The organization has identified the following future water-related issues: Growth in hired labor and climate change for both sites and lack of maintenance and construction of major irrigation water infrastructure only as a future problem for Agrovision. The growth of the workforce due to a possible growth of agricultural areas, which brings with it the challenges of availability of potable water and increased wastewater treatment; climate change, mainly due to the El Niño phenomenon that has hit the region with heavy rains, but which has been favorable in recent years as it has resulted in a greater volume of surface water secured for operations.	
1.6.4	*Advanced Indicator* *Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.*	Yes

Comment	The organization has conducted a Social Baseline Diagnosis based on the results of Family Surveys applied in nine villages in the area of social influence of Agrovisión and Arena Verde in April 2021 (see file “Presentation_Systematization_Surveys”); as a result of the surveys, the population is aware of the social programs that the company does in WASH issues, such as water supply in tanker trucks, attention to the population in the health center with doctors, support to the Health Center with medicines and equipment. Currently, the social impacts on the population are positive due to the continuous support to the neighboring communities of Morrope and Olmos through the Social Programs: -“Sembrando Vida”: 2,280 m3 of drinking water was donated to 12 town centers and hamlets in the community of Morrope through 114 tanker trips, benefiting 1,500 families that do not have access to this service. At the same time, a handwashing station was supplied with water, built and installed in the primary playground of the Garcilaso de la Vega School in Morrope, and, in coordination with SUNASS authority, an awareness workshop on responsible use and water culture in that same school. -“Sembrando Esperanza”: 2,913 services in 04 free comprehensive medical days and 37,885 medications were donated between Morrope and Olmos, in addition to the implementation with the donation of medicines for 3 communal medical centers. In 2023, the operating and personnel costs of the community ambulance of Morrope were covered, to serve community members and the vulnerable population while traveling to other health centers for better treatment. 116 emergency trips were made in Morrope. Basic food and protective materials for the most vulnerable houses were donated in prevention and during the rains caused by cyclone Yaku. A total of 1,713 metal roofs were distributed to the most vulnerable homes, as well as 20 rolls of plastic to protect walls and other structures from rain. -There are also other programs such as “Sembrando Salud”, “Sembrando Educación”. See file “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” item 1.6.4.”, and file “1.6.4 Se identificarán los posibles impactos sociales relacionados con el agua” and file "Reporte de sostenibilidad 2023 pag.14".
Score	4

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.*

✓ Yes

Comment	The organization has prepared the “Water risk table - Agrovision” and the “Water risk table - Arena Verde” in which the water risks for the sites have been identified and values have been given according to matrices; with probability values from 1 to 5 from “Improbable” to “very probable”; with impact values from 1 to 5 from “negligible impact” to “catastrophic impact”, with the valuation of high and medium priority; the impact on the organization's budget has also been identified. See files “RIESGOS HIDRICOS DE AGV”; “RIESGOS HIDRICOS DE ARV” y “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” en el punto 1.7.1”.

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

✓ Yes

Comment	For each site, the organization has identified water-related opportunities for each selected objective, as well as how to intervene or participate and the potential savings, e.g. for Agrovisión: Objective: OPTIMIZATION IN WATER USE BY REDUCING APPLICATION OF FERTILIZERS PER HECTARE OF BLUEBERRY CROP. Opportunities: A study is being carried out to reduce the application of fertilizers in the blueberry crop, this action would help to optimize water consumption during its dilution. Participation: The trial is being conducted on 2 ha of the blueberry crop in lot A9 and analyses are carried out periodically to determine the nutrients extracted by the plant. Potential savings: By reducing the application of fertilizers on the blueberry crop, we would also be reducing the use of water during dilution and could generate savings of 1%-2%. See files: “OPORTUNIDADES AGV”; “OPORTUNIDADES ARV”; “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” en el punto 1.7.2”.	
1.8	*Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.*	
1.8.1	*Relevant catchment best practice for water governance shall be identified.*	Yes
Comment	The organization has identified best practices relevant to water governance in the basin as described in the files: “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” item 1.8.1” and “1.8.1 Mejores prácticas AGV-ARV” and are: - Being part of the committee of the board of users of groundwater Valle Nuevo de Olmos; being the president and secretary, officials of Agrovisión and Arena Verde. - Signing a strategic alliance with SUNASS (National Superintendence of Sanitation Services), to conduct awareness workshops for the communities in its area of influence of Olmos and Morrope, in the responsible use and care of water. - Working hand in hand with the Municipal Technical Area to promote the recognition of JASS in the communities, providing technical assistance and helping to improve the quality of drinking water. - Taking action against the indirect use of water by personnel transportation providers. - Signing a strategic alliance with the Jequetepeque-Zaña Jequetepeque-Zaña Special Project (PEJEZA) to carry out reforestation and reforestation and water quality monitoring activities in the Jequetepeque-Zaña watershed. - Maintaining AWS certification for continuous improvement of sustainable water management. - Signing a strategic alliance with the Natural Resources and Environmental Management area of the Lambayeque Regional Government (GORE) to work together in the Olmos and Morrope districts.	
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.*	Yes
Comment	The organization has identified best practices with respect to water balance in the relevant sectors and/or basins, as described in the files: “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” item 1.8.2” y “1.8.1 Mejores prácticas AGV-ARV” and are: - Increasing the technical knowledge of its collaborators in the management of water resources through training. - Reducing water consumption in crop irrigation. - Controlling the water consumption in the laundry and kitchen of the camp in Arena Verde. - Implementing a cultivation system to achieve an efficient use of water. - Optimizing the use of water during the washing of jabas.	
1.8.3	*Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.*	Yes

Comment

The organization has identified best practices with respect to water quality, as described in the files “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024”” in item 1.8.3” and ‘1.8.1 AGV-ARV Best Practices’ and they are:
- Establishing a water quality monitoring frequency for hydrants, wells, drinking water and treated wastewater.
- Monitoring the quality of effluents treated in its wastewater treatment plants on a monthly basis in order to know its characteristics and reuse it for irrigation of green areas.
- Implementing technology to control algae proliferation in water storage reservoirs.
- Monitoring the quality of water from community wells to ensure its suitability for human consumption.

1.8.4 *Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.*

Yes

Comment

The organization has identified best practices for the maintenance of Important Water Related Areas on-site and off-site, as described in the files “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in item 1.8.4” and ‘1.8.1 AGV-ARV Best Practices’ and are:
- Monitoring perimeter fences and windbreaks.
- Implementing windbreaks as biological corridors using native species in lot C5 to promote biodiversity and protect crops.
- Establishing the frequency of biodiversity monitoring.
- Arborization in perimeter fences of educational institutions in Olmos.
- Reforestation of the “Montes de la Virgen” forest reserve.
- Restoration of protected areas of the forest reserve with native dry forest species.
- Tree planting and protection of green areas and camp boundaries, with native dry forest species, reusing treated water from the WWTP for irrigation.

1.8.5 *Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.*

Yes

Comment

The organization has identified best practices for equitable and appropriate on-site WASH services as described in the files “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in item 1.8.5” and ‘1.8.1 AGV-ARV Best Practices’ and are:
- Ensuring the operation of the PTAP (Drinking Water Treatment Plants) for the supply of water for human consumption of employees.
- Implementing adequate technology for the treatment of domestic wastewater for Agrovision and Arena Verde.
- Reusing a greater volume of treated effluents to guarantee the sustainability of surface and subway water resources in Agrovision.
- Reusing a greater volume of treated effluents to ensure the sustainability of groundwater resources in Arena Verde.
- Supporting villages and schools in Olmos by enabling water and sanitation systems.
- Ensuring the operation of PTAP to supply water for domestic use of its employees in Arena Verde.
- Supporting villages and schools in Olmos by installing water and sanitation systems.
- Performing the maintenance of the sanitary services of the primary school of the Monte Verde hamlet, benefiting 30 students.
- Supporting the villages of extreme need through the donation of drinking water, benefiting 1,500 families of Morrope.
- Supporting the primary school “Inca Garcilaso de la Vega” in the district of Mórrope with the donation of drinking water for the benefit of the students.

2	STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	*Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.*	
2.1.1	*A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:* *- That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes* *- That the site implementation will be aligned to and in support of existing catchment sustainability plans* *- That the site's stakeholders will be engaged in an open and transparent way* *- That the site will allocate resources to implement the Standard.*	✓ Yes
Comment	The organization shows in the annexes "01. ARV Commitment to Sustainable Water Management"; "02. AGV Commitment to Sustainable Water Management"; the Commitments to Sustainable Water Management signed by the General Management respectively, which include the commitments mentioned in the indicator. Agrovision's commitment was signed on July 02, 2021 and Arena Verde's commitment was signed on October 30, 2020. Evidence of the public disclosure of both commitments has been presented by networks that manage the sites, mailings to their stakeholders, publication of the Commitments at the entrance of the farms, etc.; see so files "Disclosure of commitments", "Agro Vision Corp - AWS - client mailing" and "AGV farm entrance publication".	
2.1.2	*Advanced Indicator* *A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified.*	✓ Yes
Comment	The organization shows in the annexes "01. ARV Commitment to Sustainable Water Management"; "02. AGV Commitment to Sustainable Water Management"; the Commitments to Sustainable Water Management, which explicitly includes all the requirements established in indicator 2.1.1, signed by the General Manager respectively, who is one of the most senior managers, the validity of power of each management is shown in the files '9-SEPTEMBER - Validity of Power R. B. 11.09.2024' and 'Validity of Power - ARV - 11.09.2024'. Evidence of the public disclosure of both commitments has been presented by networks that manage the sites, mailings to their stakeholders, publication of the Commitments at the entrance of the farms, etc.; see files "Disclosure of commitments", "Agro Vision Corp - AWS - client mailing" and "AGV farm entrance publication".	
Score	1	
2.2	*Develop and document a process to achieve and maintain legal and regulatory compliance.*	
2.2.1	*The system to maintain compliance obligations for water and wastewater management shall be identified, including:* *- Identification of responsible persons/positions within facility organizational structure* *- Process for submissions to regulatory agencies.*	✓ Yes

Comment	The organization has a Water Committee made up of the heads of different areas and led by senior management, who are also part of the Committee; in the file “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 2.2.1” the functions of each member of the Water Committee are shown; in addition, since this year, those responsible for compliance with the environmental legal matrix and responsible for water and sanitation of the collaborators are also part of the Committee. There is a legal compliance procedure, see “AV-AS-PR-003 Environmental Legal Requirements and Permits Procedure”, which ensures compliance with environmental legal requirements and permits applicable to the Environmental Management System and assumed by AGROVISIÓN CORP (Agrovision Perú / Arena Verde). The applicable legal and regulatory requirements related to water for the sites, are in the Excel file “AV-AS-MZ-001 Matrix of Environmental Legal Requirements and Permits - V2- (31.08.2024)”, as an example of legal compliance are the Licenses for use of water from subway wells shown in the files: “RD N° 1218-2020- ANA- AAA-JZ-V (1)” of the well N°03 de Agrovisión, “RD N°1529-2018-ANA-AAA-JZ-V” of two wells of the lots C5 y C6 of Agrovisión.
2.3	*Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.*
2.3.1	*A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.* ✓ Yes
Comment	The organization shows a Sustainable Water Management Policy where it describes its management strategy in file “03. -AGV-AV-AS-PO-002-Pol□tica-gesti□n-sostenible-del-recurso-h□drico-_Firmado (1)”, defining the mission, vision and general objectives of the organization signed by the General Management of both sites on 26-06-2024; the strategy also involves a set of other environmental and social policies that are disclosed on its website, see file ‘Estrategia_de_la_gestión_del_agua_AGV_Y_ARV_-_Print_web’.
2.3.2	*A water stewardship plan shall be identified, including for each target:* *- How it will be measured and monitored* *- Actions to achieve and maintain (or exceed) it* *- Planned timeframes to achieve it* *- Financial budgets allocated for actions* *- Positions of persons responsible for actions and achieving targets* *- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.* ✓ Yes
Comment	The organization has identified a Sustainable Water Management Plan for each site, shown in the files “Water Management Plan AGV 2024 ACT”, “Water Management Plan ARV 2024 ACT”, which includes for each objective, the Measurement Tools, lines of action, activities, deadlines for implementation, frequency of actions, responsible (s), compliance records, contribution to AWS results, among others, complying with the indicator.
2.3.3	*Advanced Indicator* *The site’s partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organisational ownership) shall be identified and described.* ✓ Yes
Comment	The organization has conducted water quality monitoring for human consumption in a participatory manner and in coordination with the agricultural companies Pampa Baja and Plantaciones del Sol; in the hamlet Las Norias in the district of Olmos and other stakeholders, see evidence in the files “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024 in point 2.3. 3”, ‘Invitación Monitoreo Participativo-Pampa Baja’, ‘Invitación Monitoreo Participativo-HORTIFRUT’, ‘Invitaciones Monitoreo Participativo’, ‘FOTO 1,2 y 3’ (photographs of the activity); ‘ACTA DE MONITOREO’ (Minutes of the monitoring and signature of participants); “ACTA DE CONFORMIDAD DE ENTREGA Y RECEPCIÓN” (Record of delivery of inputs and equipment to the JASS of the hamlet Las Norias to perform the disinfection of water for human consumption and ensure the potabilization of 24-09-2024).

Score	4	
2.3.4	*Advanced Indicator* *The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.*	Yes
Comment	-Agrovision Peru and the Special Project Jequetepeque Zaña (PEJEZA, is a decentralized project of the Ministry of Agrarian Development and Irrigation that is responsible for optimizing the use of water resources and promote alternative planting and encourage private investment to improve the quality of life of the inhabitants of the basins) signed an inter-institutional articulation and coordination agreement to: Carry out surface water quality monitoring activities in the Gallito Ciego dam corresponding to the area of influence of the Jequetepeque Zaña Special Project in the Jequetepeque river basin. Carry out joint environmental programs and projects through awareness and training workshops with educational institutions, public institutions, communities in the districts of Olmos, Mórrope, Zaña, Cayaltí, among others in the area of influence of the interested parties, among others. See files "MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024 in point 2.3.4"; "Acta de articulación PEJEZA" (Minutes signed on 15/07/2024); "2.3.4 Partnership activities with other sites in another basin (1)". -Agrovisión Perú has also signed an inter-institutional articulation and coordination agreement with the GORE (Regional Management of Natural Resources and Environmental Management of the Regional Government of Lambayeque) with the commitment to carry out programs, projects and environmental activities jointly; with the GORE, it worked with other watersheds in the Chancay-Lambayeque watershed. See files "ACTA DE ARTICULACIÓN GORE"; ""2.3.4 Partnership activities with other sites in another basin (1)"; 'FOTO 1,2, and 3' (reforestation and environmental education activities with schools and the GORE).	
Score	4	
2.3.5	*Advanced Indicator* *Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.*	Yes
Comment	The organization has demonstrated stakeholder consensus on the activities carried out in compliance with the objectives of the site's sustainable water management plan. In the file "2.3.5 Seek stakeholder consensus" and "WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024 in point 2.3.5", a list of objectives where consensus has been reached and where there is stakeholder participation is shown. Examples: -Support the JASS of the hamlet La Algodonera in improving the provision of drinking water service in coordination with the District Municipality of Olmos. - Verify and enable 100% of the water and sanitation system of the I.E N ° 10183 "El Muerto", medical post of the hamlet Las Norias and Ricardo Palma school of the hamlet La Algodonera, in order to provide quality service and ensure the welfare of students and villagers. See archives: : "DIPLOMA RECONOCIMIENTO SUNASS-AGROVISION ARENA VERDE 2024"; "OFICIO N_00374-2024-SUNASS-ODS-LAM_"; "6. Proyecto Oasis"; "7. Premio Sostenibilidad AGAP 2024-Proyecto Oasis"; "3. Publicación AGAP 2023"; "9. Agroperu_revista_edicion-n46- Pag 33"; "Reconocimiento GORE AGROVISION"; "Reconocimiento GORE ARENA VERDE".	
Score	7	
2.4	*Demonstrate the site's responsiveness and resilience to respond to water risks*	
2.4.1	*A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.*	Yes

Comment	The organization has protocols and emergency plans identified in indicator 1.3.1 and responds to the risks identified in 1.7.1, where in the Water Risk Tables for both sites, alternative solutions have also been identified in coordination with stakeholders. Example: To avoid the risk of overflows in unmaintained drains, H2Olmos (concessionaire of the Olmos Tinajones Special Project) monitors the execution of the Project's maintenance programs. See files: “PLAN DE CONTINGENCIAS AGV FUNDO”; “1.3.1 PAE- Protocolo de Activación Emergencia PV”; “PLAN DE PREVERSION DE DESASTRES LAMBAYEQUE 2023-2030”; “GH-SST-PL-003 - Plan de Contingencias de ARENA VERDE S.A.C 2024”. Agrovisión's AGV FUNDO CONTINGENCIES PLAN and GH-SST-PL-003 - Contingency Plan of ARENA VERDE S.A.C 2024, can address the water risks due to rain/flooding (8.4. Procedure in case of rain/flooding); the risks of lack of maintenance of drainage drains and lack of capacity of the Limón dam can be addressed by “1.3. 1 PAE- PV Emergency Activation Protocol” ; the risk of lack of access to adequate WASH services, the organization addresses or mitigates through its social programs such as “Sembrando Esperanza”, “Sembrando vida”, “Sembrando Salud”, “Sembrando Educación” (See Sustainability Report 2023” page 14) and directly in coordination with relevant stakeholders such as SUNASS, Municipalities, GORE, among others (See files ‘ACTA DE ARTICULACIÓN AGV-SUNASS’, ‘ACTA DE ARTICULACIÓN GORE’).

2.4.2 *Advanced Indicator*

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

Yes

Comment	The organization has Plans to mitigate/adapt to water risks associated with climate change projections, in the files: “Plan de riesgos hídricos AGV” (for Agrovisión) and “Plan de Riesgos Hidricos ARV” (for Arena Verde) where the water risk, plan objective, impact, adaptation measures, risk impact (high, probable) and priority (high, medium) are described. It has also been identified the “DISASTER PREVENTION PLAN 2019-2021 (1)” developed by the Municipality of Lambayeque from the working group of Disaster Risk Management and technical assistance from CENEPRED (National Center for Estimation, Prevention and Reduction of Disaster Risk) and showing the Recommendations or mitigation measures against water risks such as El Niño phenomenon or floods. There is also the “PALO VERDE-H20LMOS EMERGENCY PLAN (1)” which is the Emergency Activation Protocol for risk of overflowing Palo Verde Reservoir (of the PEOT-Special Project of Olmos Tinajones), which aims to establish the procedure that indicates the measures and/or actions in the Emergency Activation for risk of overflowing of the Palo Verde Reservoir, defines levels and warning and evacuation signals, defines channels and means of communication. Likewise, the Disaster Risk Prevention and Reduction Plan for the Department of Lambayeque 2023 - 2030 has been identified for Arena Verde due to heavy rains and floods. See file: “DISASTER PREVENTION PLAN LAMBAYEQUE 2023-2030” and the National Plan for Adaptation to Climate Change in Peru - June 2021, which describes climate change adaptation measures, for example: Implementation of major hydraulic infrastructure for multisectoral use in basins vulnerable to climate change (page 455); Conservation and recovery of natural infrastructure for the provision of water ecosystem services in basins vulnerable to climate change (page 457), among others.
Score	6

3	STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts

3.1 *Implement plan to participate positively in catchment governance.*

3.1.1 *Evidence that the site has supported good catchment governance shall be identified.* ✓ Yes

Comment: The organization has identified the following evidence that the site has supported good governance of the watershed:
-Being part of the committee of the groundwater user board Valle Nuevo de Olmos; being the president and secretary, officers of Agrovision and Arena Verde. We have the communication mail about the formalization agreement of the first board of directors of the groundwater board. See files: "AGV-Directiva Junta de usuarios agua subterránea"; "Junta de Usuarios de agua sub"; RESOLUCIÓN DIRECTORAL N° 0001-2023-ANA-DOUA"; 'Acta_Reunion POMDIH'.
- "JUSIASVANO_Plan_accion_2024" action plan is in place in conjunction with the other peer companies.
- Approval of the Groundwater Hydraulic Sector Valle Nuevo de Olmos according to Directorial Resolution N ° 791-2021-ANA-AAA- JZ-V See file "APPROVAL OF THE HYDRAULIC SECTOR OF AASS VALLE NUEVO DE OLMOS 03 JUNE".
- Approval of the Technical Delimitation of the Groundwater Hydraulic Sector in the district of Olmos, province and department of Lambayeque of which the organization is part, for the monitoring and management service of groundwater resources. See file "Delimitation of the hydraulic sector AGV - ARV POZOS".
-In the file "Resolución directoral N ° 0001-2023-ANA-DOUA", the National Water Authority recognizes JUSHAGVN, as the water users' organization in charge of providing the public service of groundwater monitoring and management in the Groundwater Hydraulic Sector Valle Nuevo de Olmos - Class B.
-Meeting of the Water Committee representing 21 groundwater and surface water user companies; see file "Reunión AWS_PROLMOS".

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.* ✓ Yes

Comment: The site has implemented policies to respect the right to water use of peasant and native communities, committing ourselves to respect and promote the human right to drinking water and reduce water shortages. See files "01.
-AV-AS-PO-005-Policy-Respect-the-right-to-water-use-AGV", "01.
-AV-AS-PO-007-Policy-Respect-the-right-to-water-ARV"; "01.
-AV-AS-PO-005-Policy-Respect-the-right-to-water-use-of-peasant-and-native-communities-AGV", these policies are disclosed on the organization's website. See file "Web Policies".

3.1.3 *Advanced Indicator*
Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified. ✓ Yes

Comment: The organization to improve the capacity of its water governance in the year 2023 forms its Water Committee (01. ACTA 01-2023-COMITE LOGROS 2023), formed by those responsible for different areas and led by senior management who are also part of the Committee; in the file "MANUAL MANAGEMENT OF WATER AGV-ARV-AWS_2024" in point 2.2. 1" shows the functions of each member of the Water Committee; the organization has also created and implemented the policies 'Sustainable Water Resource Management Policy', 'Policy of Respect for the Communities' Right to Use Water" for good water governance of the sites.
In addition, the organization has been working in an articulated manner with relevant stakeholders such as SUNASS, GORE, Municipalities, other agro-exporting companies among others through alliances and joint programs on environmental and social issues also related to water.
In the "WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024" in point 3.1.3", the evidence to comply with the indicator has been identified.

Score	2	
3.1.4	*Advanced Indicator* *Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment shall be identified.*	Yes
Comment	The organization in the “MANUAL MANAGEMENT OF WATER AGV-ARV-AWS_2024” in point 3.1.4”, has identified the evidence to comply with the indicator, it has obtained recognition by SUNASS (National Superintendence of Sanitation Services) for its contribution in improving the management of rural providers and promote the responsible use of water in the communities of Olmos and Morrope. See archives: “ACTA DE ARTICULACIÓN AGV-SUNASS”, “DIPLOMA AGROVISION ARENA VERDE 2024”; “OFICIO N_00374-2024-SUNASS-ODS-LAM”.	
Score	2	
3.2	*Implement system to comply with water-related legal and regulatory requirements and respect water rights.*	
3.2.1	*A process to verify full legal and regulatory compliance shall be implemented.*	Yes
Comment	The organization has an implemented legal compliance procedure, see file “AV-AS-PR-003 Environmental Legal Requirements and Permits Procedure”, whereby in point 6.4 “EVALUATION OF COMPLIANCE WITH ENVIRONMENTAL LEGAL REQUIREMENTS AND PERMITS”, AGROVISIÓN CORP. (Agrovision Perú / Arena Verde) verifies compliance with the matrix of legal requirements at least once a year, in the “evidence of compliance field”, the evidence that demonstrates compliance or non-compliance with each identified requirement is described. The irrigation area is responsible for regulatory compliance with everything related to water. Being responsible for the following: Management of the well control system (licenses, certificates, reports, among others). Review and submission of relevant documentation to regulatory authorities. Informs the water committee about any visit, notification or communication received. The applicable legal and regulatory requirements related to water for the sites, are found in the Excel file “AV-AS-MZ-001 Matrix of Environmental Legal Requirements and Permits - V2-(31.08.2024)”, as an example of legal compliance we have: - “RD N° 1218-2020- ANA- AAA-JZ-V (1)” of well N°03 of Agrovisión, “RD N°1529-2018-ANA-AAA-JZ-V” of two wells of lots C5 and C6 of Agrovisión; “RD Nº710-2021-ANA-AAA JZ-V” of well license and “RD Nº711-2021-ANA-AAA JZ-V” of well license, -Some environmental monitoring “2024_MONITOREO AMBIENTAL I S. LOTE C5”, “2024_MONITOREO AMBIENTAL I SEMESTER ARENA VERDE (1)”, “2024_MONITOREO AMBIENTAL I SEMESTER LOTE C6 (2)” are attached; -Surface water use authorization “1.- Autorizacion de Uso de agua R.D. 2011-2014_”. -Monthly water use payments to H2Olmos concessionaire, “receipts from May to set 2024”.	
3.2.2	*Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.*	Yes
Comment	Agrovision and Arena Verde respect the water rights of communities and third parties, as they comply with the legal and regulatory requirements mentioned in the previous indicator, where it is mentioned that they have implemented a procedure for legal and regulatory compliance, see file “AV-AS-PR-003 Procedimiento de Requisitos Legales Ambientales y Perm. “As an example of legal compliance we have the Licenses for water use of subway wells shown in the files: “RD N° 1218-2020- ANA- AAA-JZ-V (1)” of well N°03 of Agrovisión, “RD N°1529-2018-ANA-AAA-JZ-V” of two wells of lots C5 and C6 of Agrovisión.	

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.* Yes

Comment The organization has identified the progress status of the 7 water balance objectives for Agrovisión and 4 water balance objectives for Arena Verde of its Sustainable Water Management Plan respectively; see files “Water Management Plan AGV 2024 ACT”, “Water Management Plan AGV 2024 ACT”. In the same plans, the start date and the “Deadline for implementation of activities to achieve the objectives” are defined for each objective; in column AC, there is “Update to 2024” and in column “V” there is the “% of progress”.

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.* Yes

Comment In the Sustainable Water Management Plan for each site, there are annual objectives, “Measurement Tools”, and the “Update to 2024” describes the progress of the current year compared to last year”; example:
-Water Balance Agrovision Goal: Promote 1% savings in irrigation of the 1980 ha blueberry crop.
-Measurement Tool: Comparison of water consumption (m3/ha) 2022 vs 2023 and 2023 vs 2024.
-Update 2024: An evaluation of water consumption during the periods 2023 vs. 2022 has been carried out, showing a decrease in water consumption of 1982 m3/ha (19.5%) of blueberry crop with respect to 2022, this is due to cyclone Yaku in which several of the fields remained wet and irrigation was not necessary. In addition, an evaluation of water consumption from January to
water consumption from January to July in the years 2022, 2023 and 2024 was also evaluated. The result was a decrease in water consumption of 600 m3/ha (10%) comparing 2024 with 2022.
Another example for Arena Verde:
-Water Balance Objective: Promote 1% savings in irrigation of the 358 ha asparagus crop.
-Measurement Tool: Comparison of water consumption (m3/ha) 2022 vs 2023 and 2023 vs 2024.
-2024 Update: An evaluation of water consumption during the periods 2023 vs. 2022 has been carried out, showing a decrease in water consumption of 3217 m3/ha (24.5%) of asparagus crop with respect to 2022, this is due to cyclone Yaku in which several of the fields remained wet and it was not necessary to irrigate. In addition, an evaluation of water consumption from January to
water consumption from January to July in the years 2022, 2023 and 2024 has been evaluated. The result was a decrease in water consumption of 3509 m3/ha (36%) comparing 2024 with 2022.
Another example is presented in the file “SUSTAIN OBJECTIVE AWS 2023-2024”.

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

Comment In Peru, there is no specific regulation that establishes the reallocation of water for social, cultural or environmental needs.

3.3.4 *Advanced Indicator*
The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified. Yes

Comment	In Peru there is no specific regulation that establishes the reallocation of water for social, cultural and environmental needs; however, at the sites, reuse of treated wastewater is carried out at the Water Treatment Plants at each site for irrigation of green areas and irrigation of the Arena Verde Forest Reserve; as detailed in the "MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024" in point 3.3.4". To date, the following volumes have been reused: Water treated at PTAR Agrovisión: 110,933.00 m3 from January 2023 to August 2024. Water treated at PTAR Arena Verde: 36,987.00 m3 from January 2023 to August 2024. Contributing to the sustainability of water resources. See files: "PTAR VOLUME RECORD 2023", "PTAR VOLUME RECORD 2024 (1)", "PTAR VOLUME RECORD C5 2023"; "PTAR VOLUME RECORD C5 2024"; "Quantification of reused water".
Score	6

3.4 *Implement plan to achieve site water quality targets*

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

Comment	The organization has identified the progress status of 4 water quality objectives for Agrovisión and 2 water balance objectives for Arena Verde and its Sustainable Water Management Plan respectively; see files "Water Management Plan AGV 2024 ACT", "Water Management Plan AGV 2024 ACT". In the same plans, the start date and the "Deadline for implementation of activities to achieve the objectives" are defined for each objective; in column AC, there is "Update to 2024" and in column "V" there is the "% of progress".

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

Comment	In the "WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024" in point 3.4.2", it is described as best practices with respect to water resource management: -The installation of a wastewater treatment plant in 2023 at Agrovision-Lote C5, with a capacity of 140 m3/day of domestic effluents. -The expansion of a WWTP being executed in 2024 in Arena Verde, to treat up to 565 m3/day of domestic wastewater. -Legal compliance with water parameters for irrigation according to the "ECA - Water (Environmental Quality Standards). Category 3 - Vegetable irrigation" in water for effluent intended for reuse of irrigation in the Arena Verde Forest Reserve area and green areas. See files: "Comparativo analisis agua residual _ PTAR C5_SEP24"; "A-24-138182-INGRESO PTAR C5"; "A-24_138183-SALIDA PTAR C5"; "FOTO AGV 1,2,3,4"; "A-24_138184-Ingreso PTAR CAMP; A-24_138185-SALIDA PTAR CAMP"; "Comparativo analisis agua residual _ PTAR Camp_SEP24"; "FOTO ARV 1 (1),(3)".

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

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

Comment	In Agrovisión, in its Sustainable Water Management Plan, 3 of the 4 IWRA objectives are 100% implemented and one of them is 70% implemented, details of the implemented practices are in the "Update 2024" column; in Arena Verde, in its Sustainable Water Management Plan, 3 of the 6 IWRA objectives are 100% implemented, details of the implemented practices are in the "Update 2024" column. See files "Plan de gestión de agua AGV 2024 ACT", "Plan de gestión de agua AGV 2024 ACT"; "001 -2024 -INFORME CERCOS VIVOS AGROVISION LOTE C5 C6 A9 -f (1)"; "FOTO AGV CERCOS"; "Implementación de flora nativa"; "Agradecimiento_de_colegio_San_Cristobal_Chico_-_Olmos"; "SOLICITUD COLEGIO", "FOTO COLEGIO 1,2,3,4,5"; "Reconocimiento GORE AGV"; "Reconocimiento GORE ARV"; "FOTO MONTES DE LA VIRGEN 1,2,3,4,5,6,7"; "001 -2023 -INFORME CERCOS VIVOS AGROVISION LOTE C5 c6 y a9"; "PLANO CASUARINAS Y GUARANGUILLO C5 - C6"; "CASUARINAS Y GUARANGUILLO LOTE A9"; "Reforestacion de drenes (3)".
3.5.2	*Advanced Indicator* *Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date shall be identified. Restored areas may be outside of the site, but within the catchment.* Yes
Comment	The organization has been developing a Forestry Management Plan for the conservation of the reserved areas since 2017 aligned with the Environmental commitments of the National and Regional Government in terms of climate change and biodiversity conservation; the areas destined for Reserve were 1,369.21 and 609. 4 has of protection established in the ZEE (Ecological Economic Zoning) of the Regional Government of Lambayeque, constituting a conservation corridor that complements the proposals of the Regional Government of Lambayeque this as a measure of adaptation to climate change. see file "AVANCE 2017 - 2019 Arena Verde"; "MAP AGROVISION RESERVE AREA FINAL". As a baseline, 2% tree cover was found in the Reserve areas (photographs are shown in the Plan in the file "AVANCE 2017 - 2019 Arena Verde") and the goal in 20 years is to achieve 30% tree cover. The description of how the areas were before restoration and reforestation are also described in the Plan, as well as in the file "PROGRESS REPORT 2023 - 2024 SERFOR ARENA VERDE"; see also "MAP AGROVISION RESERVE AREA FINAL". In 2022, there is a Reforestation and Restoration Plan, with the objective of conserving and restoring the natural ecosystems of 1,120 hectares of areas destined for reserves and protection such as dry forest massifs and linear reforestation in fences and living barriers with exotic species for 170 km inside the estates. The duration of the plan was planned for 10 years. See "REFORESTATION AND RESTORATION PLAN 07-03-2023 (1)". Currently, there are 11.44 trees/ hectare and 90% of the population is between 5 and 14 cm, probably stunted trees due to site conditions; the predominant species is carob with 86%, followed by sapote with 14%; photographs of before and after Reforestation and Restoration years 2017, 2019 vs year 2024 are shown in the files: "PROGRESS 2017 - 2019 Arena Verde" and "PROGRESS REPORT 2023 - 2024 SERFOR ARENA VERDE". In the "MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024" in item 3.5.2", also describes the progress to date of the Reforestation and restoration of the Forest reserve and live fences at the sites.
Score	6
3.5.3	*Advanced Indicator* *Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.* Yes

Comment

The organization has signed an Act of articulation and inter-institutional coordination with the GORE (Regional Management of Natural Resources and Environmental Management of the Regional Government of Lambayeque) with the commitment to carry out programs, projects and environmental activities jointly; it has demonstrated several coordinated works together so there are letters of thanks to Agrovisión and Arena Verde for their contribution in implementing activities of good environmental practices for the benefit of the Region and its population.
Agrovisión has donated 150 plants of native forest species to the Montes de la Virgen de Lambayeque Forest Reserve, which is a tourist site for natural conservation, restoration and recovery of the ecosystem depredated by excessive logging in the area. The reforestation activity was attended by representatives of different private and public institutions.
See archives: “ACTA DE ARTICULACIÓN GORE”; “CERTIFICADO DE AGRADECIMIENTO (1)”; “OFICIO N° 001405-2024-GR.LAMBGRRNGA”; “Reconocimiento GORE AGV”, “Reconocimiento GORE ARV”; “FOTO MONTES DE LA VIRGEN 1,2,3,4,5,6,7”.

Score 2

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

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

Obs.

Comment

The organization has demonstrated that all its workers have access to safe drinking water.
The organization has 2 plants for the treatment of drinking water by a reverse osmosis process, and ozonation for each site, which is then distributed in 20 liter drums, at different points in the field and work areas of the sites for workers. Both sites comply with the quality parameters according to the legislation “D.S. N°031- 2010- SA., Reglamento de la Calidad de Agua para consumo Humano” according to the review of the files: “RESULTADOS ANÁLISISIS PLANTA OZON. 09-04-24” and “Abril_2024_IE-24-9404 (OS-24-0241)” for Agrovisión. See files for Arena Verde: “INF N°43 - REPORT ANALYSIS OF DRINKING WATER - CAMPAMENTO WTP”, “RESULT. PTAP INPUT ANALYSIS (1)”, ”RESULT. PTAP OUTPUT ANALYSIS (1)”; ‘WATER CONSUMPTION IN CUBIC METERS PLANT 2024 (1)’; ‘ROUTINE MONITORING ENE-AGOST 2024’; ‘PHOTOS’.
Each site has adequate sanitary facilities with toilets, sinks, urinals and showers, located in accessible and nearby places and identified for each sex and in accordance with the law “RM N° 200- 2021-TR Establishing technical criteria to determine the type and number of sanitary devices in the agricultural sector”. It is important to mention that each latrine in the field has a disinfection point (water, soap and paper towel). See files: “COMEDORES_C5,C6 Y A9”; “LETRINAS - C5 , C6 Y A9 (1)”; “LETRINAS ARV . NORTE - CENTRO - SAN RICARDO”.
At Agrovision and Arena Verde, industrial wastewater and some domestic wastewater are managed by an EO-RS ECOVIVE SOCIAL, which is responsible for managing the wastewater, from transportation to final disposal in a secure landfill. Domestic wastewater is managed in a WWTP (wastewater treatment plant) located on Agrovisión's farm, Lot C5, with a capacity of 140 m3/day. Part of this treated water is used to irrigate the Arena Verde forest reserve.
At Arena Verde, wastewater is managed through another WWTP, with a treatment capacity of up to 250 m3/day, in which domestic effluents from the sanitary facilities are treated using the cross-flow activated sludge system, then disinfected and reused to irrigate green areas in the camp facilities.
As an observation, the showers and washing facilities for personnel handling agrochemicals need to be improved. These showers and PPE washing areas at Agrovisión's C5 lot do not have a roof and are outdoors, considering that there are applications at night. In the two sites, there are no thermae for the showers in the hygiene area of the agrochemical operators who also make applications during the night shifts, according to interviews with personnel responsible for the area, they finish around 4 am.

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

Yes

Comment

The water used for the drinking water treatment plants (PTAP) with reverse osmosis comes from subway wells that have a Water Use License; in the case of Agrovisión it is well N°3 located in lot C5; in the case of Arena Verde the subway well is located in the North Lot Stage 2. See files “RD N° 1218-2020- ANA- AAA-JZ-V (1)” of well N°03 of Agrovisión, “RD N°1529-2018-ANA-AAA-JZ-V” of two wells of lots C5 and C6 of Agrovisión. All the wells of the sites, have their water use Licenses and the Water authority has assigned them a maximum annual volume of water in each License.
In addition, both sites comply with the quality parameters according to the legislation “D.S. N°031- 2010- SA., Reglamento de la Calidad de Agua para consumo Humano” according to the review of the files: “RESULTADOS ANÁLISIS PLANTA OZON. 09-04-24” and “Abril_2024_IE-24-9404 (OS-24-0241)” to Agrovisión. See files to Arena Verde: “INF N°43 - INFORME ANÁLISIS DE AGUA POTABLE - PTAP CAMPAMENTO”, “RESULT. ANALISIS ENTRADA PTAP (1)”, “RESULT. ANALISIS SALIDA PTAP (1)”; “CONSUMO DE AGUA EN METROS CUBICOS PLANTA 2024 (1)”; “MONITOREO DE RUTINA ENE-AGOST 2024”; “FOTOS”.
There are no effluents discharged into the environment; domestic wastewater is managed in a WWTP (wastewater treatment plant) located on Agrovisión's farm, Lot C5, with a capacity of 140 m3/day. Part of this treated water is used to irrigate the Arena Verde forest reserve.
At Arena Verde, wastewater is managed through another WWTP, with a treatment capacity of up to 250 m3/day, in which domestic effluents from the sanitary facilities are treated using a cross-flow activated sludge system, then disinfected and reused for irrigating green areas in the camp facilities.
The water quality of the wastewater treated in the WWTPs, complies with the “ECA (Environmental Quality Standards) Category 3 - Vegetable Irrigation” which is intended for reuse for irrigation in the Arena Verde Forest Reserve area and green areas.
See files: “Comparativo analisis agua residual _ PTAR C5_SEP24”; “A-24-138182-INGRESO PTAR C5”; “A-24_138183-SALIDA PTAR C5”; “FOTO AGV 1,2,3,4”; “A-24_138184-Ingreso PTAR CAMP; A-24_138185-SALIDA PTAR CAMP”; “Comparativo analisis agua residual _ PTAR Camp_SEP24”; “FOTO ARV 1 (1),(3)”.

3.6.3 *Advanced Indicator*
A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be identified.

Yes

Comment	In the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.6.3”, the organization has listed the following list to comply with the indicator: 1. trainings in Olmos and Morrope schools on responsible water use. 2. Drilling of the Pañalá well. During the years 2022 and 2023, coordination was carried out with the San Pedro de Morrope Peasant Community, the JASS of the Cruz de Pañalá hamlet, for the preparation of the technical sheet and the drilling of a 90-meter deep tubular well to supply water to the hamlet. See file “Report Format - Pañalá”. 3. Installation of a well for the Pasaje Sur-Olmos hamlet with the donation of a submersible electric pump, 1,100 liter capacity water tank, generator set and other materials and equipment and labor for the equipment and commissioning in August 2023. See files “Pasaje Sur pumping system report”, “Inf. 22-Montaje electrobomba submergible”, “Photos 1,2,3”. 4. Donation of drinking water to villages and school of Morrope. See archives: “ 65. OS 4600044027 – VIRDENI”; “CORPORACION VIRDENI EIRL-E001-15”; “DAMIAN SANTAMARIA JANET LILIANA-E001-65 (1)”, FOTOS. 5. Construction of the Monteverde school restrooms. See files “68 - APR-2022-019 AV-TE-FO-01_Application for EAR - ARV (1)”, “Acta de entrega mejora de SS.HH”, “SS.HH DE MONTEVERDE.-Layout2 (1) (1) (1)”, Photos. 6. Installation of La Algodonera chlorination system. 7. Donation of urinals in La Algodonera-Centro Educativo Ricardo Palma. See files “Minutes of delivery of urinals La Algodonera”, “photos”. 8. Improvement of the water pumping system in the village of Las Norias. See files “ACTA DE CONFORMIDAD DE SERVICIO”, photos. 9. Maintenance and improvement of the electrical installations of the water pumping system in the Pañalá hamlet. The maintenance carried out guaranteed a better operation of the electrical equipment, extending its useful life and ensuring the water supply to the population. The project benefited 40 families. See files “WORK REPORT C.P. PAÑALA”, “TECHNICAL VISIT REPORT TO C.P. PAÑALA”. 10. Maintenance and sanitary installations in the medical post of the Caserío Las Norias, See files “01.SERVICE REPORT OF INSTALLATION OF WASHING IN AWS (1)”; “Conformity of service Posta Médica Las Norias (1)”; Photos. 11. Maintenance of washing station and donation of drinking water in school IE Garcilaso de la Vega - Mórrope. See file “Report format - Garcilaso”, “Minutes of delivery Garcilaso”. These arrangements are made through the Community Relations office of Agrovisión's Administration Management.
Score	5

3.6.4	*Advanced Indicator:* *In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.*	✓ Yes
Comment	In the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.6.4 and “pdf 3.6.4” the organization describes the evidence to comply with the indicator: - SUNASS has shared its Reports of inspections carried out to the JASS (Junta Administradora de Servicios de Saneamiento) el Médano, La Algodonera, Cutirrape; with Agrovisión and Arena Verde to take actions together as developed in indicator 3.6.3. Inspections have been carried out by SUNASS (Superintendencia Nacional de Servicios de Saneamiento) supervision specialists. See files “INFORME 0076-2024-JASS MÉDANO”; “INFORME 0078-2024-JASS CUTIRRAPE”; “INFORME_0077-JASS ALGODONERA”; “Correo SUNASS”, “Inf. Lab_La Algodonera”, “Inf2. La Algodonera”, “Correo SUNASS”. - The District Municipality of Olmos has shared the results of laboratory analysis of water for human consumption from the following villages: La Algodonera, Las Norias and El Porvenir. The water analysis results from Las Norias have also been shared with the agroexport companies Plantaciones del Sol and Pampa Baja. See file “Inf. Lab_La Algodonera”, “Inf2. La Algodonera”.	
Score	4	

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

3.7.1	*Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.*	Yes
Comment	In the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.7.1” the organization explains that the objective of training and sensitizing transport service providers in the optimization and responsible use of water in the washing and disinfection of their transport units that they carry out off-site has been achieved and surpassed. See files “ACTA DE REGISTRO -CAPACITACIÓN TRANSPORTISTAS 20241005_12284456 (1)”, Photos.	
3.7.2	*Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site’s engagement related to indirect water use, shall be identified.*	Yes
Comment	Personnel transportation suppliers have signed an affidavit in which they commit to use water in their processes in an efficient, quantifiable manner, ensuring that their discharges do not contaminate people and/or the environment. See file “DJ PROVEEDORES DE TRANSPORTE AGV (2)”.	
3.7.3	*Advanced Indicator* *Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and evaluated.*	Yes
Comment	INNOVA AMBIPETRO S.A. C, which is a service provider of wastewater treatment from latrines/hygienic services of Agrovision's operations 200 kms north east of Olmos in the Chira River Basin, reuses treated water from the WWTP to irrigate roads; AGROVISION in agreement with AMBIPETRO, donated them 50 seedlings of native species, to be planted around the PTAR and thus create a green area that improves the ecosystem and biodiversity around it, giving better use to the treated waters from AGROVISION and other users. See files “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.7.3” and file ‘3.7.3 USO INDIRECTO FUERA DE CUENCA’ for more details; see ‘ACTA -DONATIVO AMBIPETRO (2)’ in the file ‘ACTA -DONATIVO AMBIPETRO (2)’; see photos.	
Score	5	
3.8	*Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.*	
3.8.1	*Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.*	Yes
Comment	In the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.8.1”, the organization mentions the shared infrastructure related to water such as the Palo Verde Reservoir of the PEOT (Proyecto Especial Olmos Tinajones), and shows evidence of communication that the H2Olmos Concessionaire, which operates the reservoir water, makes to the agro-exporting companies of the Project, including Agrovision. See file “3.8.1 H2OLMOS and Agrovision 2024 communication emails”. In addition, indicator 2.4.1 shows the plans and protocols implemented in coordination with stakeholders to coordinate, communicate and attend to any shared water risk, see file “1.3.1 PAE- Protocolo de Activación Emergencia PV”; which is the Emergency Activation Protocol for risk of overflow of the Palo Verde Reservoir.	
3.9	*Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.*	
3.9.1	*Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.*	Yes

Comment The organization has carried out actions for good governance, in Agrovisión it has carried out 7 actions for best practices such as: “Actively participate in meetings of the board of water users in order to ensure sustainable use of the resource, resolve conflicts, plan activities, among others”. In Arena Verde has carried out 6 actions for best practices as example: Train transporters in responsible use and care of water and AWS certification.

See Excel file “3.9.1 - 3.9.5 Actions to achieve best practices” and “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in item 3.9.1, Tables N°25 and N°26”, where the actions implemented to achieve best practices related to water governance for both sites are listed. Supporting documentation of the implemented activities is available.

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

Comment The organization has carried out 7 actions for best practices related to the water balance objectives in Agrovisión, such as: “Achieve 35% water savings in the area planted in pots compared to the soil cultivation system”. In Arena Verde, 5 actions have been carried out for best practices, such as: “Conduct training on water resource management, management and sustainable use of water, preventive and corrective maintenance of the irrigation system, among others”.

See Excel file “3.9.1 - 3.9.5 Actions to achieve best practices” and “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.9.2, Tables N°25 and N°26”, where the actions implemented to achieve best practices are listed, related to the water balance objectives for both sites. Supporting documentation of the implemented activities is available.

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

Comment The organization has carried out 5 actions for best practices related to water quality objectives in Agrovisión, for example: “Conduct participatory monitoring of the quality of water for human consumption in the Norias de Olmos hamlet, in partnership with the agricultural companies Pampa Baja and Plantaciones del Sol”. In Arena Verde, 4 actions have been carried out for best practices such as: “Perform annual quality analysis of treated effluent for reuse in irrigation of green areas and forest reserve”.

See Excel file “3.9.1 - 3.9.5 Actions to achieve best practices” and “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.9.3 Tables N°25 and N°26”, where the actions implemented to achieve best practices are listed, related to the objectives in terms of water quality for both sites. Supporting documentation of the implemented activities is available.

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.* Yes

Comment The organization has carried out 4 actions for best practices related to the objectives of IWRA in Agrovisión, for example: “Plant 1000 trees of native species as windbreaks in the C5 farm”. In Arena Verde, 6 actions have been carried out for best practices, such as: “Quantify the permanence of plants in perimeter fences and windbreaks in the Center Lot, San Ricardo Lot and North Lot”.

See Excel file “3.9.1 - 3.9.5 Actions to achieve best practices” and in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.9.4 Tables N°25 and N°26”, where the actions implemented to achieve best practices are listed, related to the IWRA objectives for both sites. Supporting documentation of the implemented activities is available.

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

Comment	The organization has carried out 6 actions for best practices related to the objectives of WASH in Agrovisión, such as: “Treat up to 140 m3/day of wastewater in a WWTP for reuse in irrigation of green areas and reforestation of native species”. In Arena Verde, 8 actions have been carried out for best practices such as: “Donate drinking water to the communities of the hamlets of Morrope that do not have this service”. See Excel file “3.9.1 - 3.9.5 Actions to achieve best practices” and in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.9.5 Tables N°25 and N°26”, where the actions implemented to achieve best practices are listed, related to the WASH objectives for both sites. Supporting documentation of the implemented activities is available.

3.9.6 *Advanced Indicator*
Achievement of identified best practice related to targets in terms of good water governance shall be quantified.

Yes

Comment	The organization quantifies the achievements of best practices for good governance, in Agrovisión has quantified 7 achievements for best practices as an example: “150 villagers of the hamlet La Algodonera benefited with donation of dosing pump and tank for chlorination system”. 150 inhabitants of La Algodonera village benefited with the donation of a dosing pump and tank for chlorination system”. In Arena Verde 6 achievements have been quantified, as an example: “They have carried out a first activity in the Forest Reserve ‘Montes de la Virgen’ of Lambayeque, planting 150 trees of native species”. See Excel file “3.9.6 - 3.9.10 Quantification to achieve best practices” and in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.9.6 Tables N°27 and N°28”, where the Quantification of the achievement of the best practices identified in relation to the objectives in terms of good water governance for both sites can be found. Documentation or evidence of the quantification of best practice achievements is available.
Score	8

3.9.7 *Advanced Indicator*
Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.

Yes

Comment	The organization quantifies the achievements of best practices in relation to water balance objectives; in Agrovisión, 4 achievements have been quantified, as an example: “In avocado cultivation, water consumption decreased by 3,142 m³/ha (16.7%) in 2023 compared to 2022, due to residual moisture after cyclone Yaku. From January to July 2024, a reduction of 1,509 m³/ha (15%) was recorded compared to 2023.” In Arena Verde, 3 achievements have been quantified, as an example: “01 meter installed in kitchen and 01 meter installed in laundry with the results of: Kitchen: 1390 m3 water consumed from July to September 2024; Laundry: 269 m3 water consumed from July to September 2024. See Excel file “3.9.6 - 3.9.10 Quantification to achieve best practices” and in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.9.7 Tables N°27 and N°28”, where the quantification of the achievement of the best practices identified in relation to the objectives in terms of sustainable water balance for both sites can be found. There is documentation or evidence of the quantification of the achievement of the best practices.
Score	8

3.9.8 *Advanced Indicator*
Achievement of identified best practices related to targets in terms of water quality shall be quantified

Yes

Comment The organization quantifies the achievements of best practices in relation to water quality objectives; in Agrovisión 3 achievements have been quantified, as an example: “01 LG Sonic e-line probe was acquired and installed in Stage 07 of the A9 farm. This technology allows to effectively manage water quality, preventing algae proliferation and contributing to a cleaner and safer water supply”. In Arena Verde 2 achievements have been quantified, as an example: “Annual quality analysis of treated effluent for reuse in irrigation of green areas and forest reserve: 01 result of treated effluent analysis. Meets 100% of the quality parameters according to current regulations”.

See Excel file “3.9.6 - 3.9.10 Quantification to achieve best practices” and in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 3.9.8 Tables N°27 and N°28”, where, there is the Quantification of the achievement of the best practices identified in relation to the objectives in terms of water quality for both sites. There is documentation or evidence of the quantification of the achievement of the best practices.

Score 8

3.9.9 *Advanced Indicator*
Achievement of identified best practices related to targets in terms of the site’s maintenance of Important Water-Related Areas have been implemented.

Yes

Comment The organization quantifies the achievements of the best practices in relation to IWRA objectives; in Agrovisión 4 achievements have been quantified, for example: “200 trees of native species planted in the educational institution ‘Víctor Raúl Haya De La Torre’, San Cristóbal Chico hamlet, contributing to the project ‘Desertification and drought’. In Arena Verde 5 achievements have been quantified, as an example: “Quantify the permanence of plants in perimeter fences and windbreaks in the Center Lot, San Ricardo Lot and North Lot: 18500 linear meters with 75600 plants between huaranguillo and casuarina in the Center Lot, San Ricardo and North Lot”.

See Excel file “3.9.6 - 3.9.10 Quantification to achieve best practices” and in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.9.9 Tables N°27 and N°28”, where the best practices implemented are listed, in relation to the IWRA objectives, for both sites. There is documentation or evidence of the implementation of the best practices in IWRA.

Score 8

3.9.10 *Advanced Indicator*
Achievement of identified best practice related to targets in terms of WASH shall be quantified.

Yes

Comment The organization quantifies the achievements of the best practices in relation to WASH objectives; in Agrovisión 5 achievements have been quantified, as an example: “210 students of the I. E N°10183 ‘El Muerto’- Las Norias benefited with the maintenance of water pumping system. Installation of 01 sink, donation of 01 tank and repair of sanitary connections to benefit 200 families that are attended in the medical post of Las Norias”. In Arena Verde 7 achievements have been quantified, as an example: “They have donated a total of 1020 m3 of drinking water, to benefit 1500 families in the district of Mórrope”.

See Excel file “3.9.6 - 3.9.10 Quantification to achieve best practices” and in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.9.10 Tables N°27 and N°28”, where you can find the Quantification of the achievement of best practices in relation to the WASH objectives for both sites. There is documentation or evidence of the quantification of the achievement of the best practices.

Score 4

3.9.11 *Advanced Indicator*
A list of efforts to spread best practices shall be identified.

Yes

Comment	In the pdf file “3.9.11” and in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in item 3.9.11 Table N°29”, there is a list of the efforts made to disseminate the best practices for both sites, as well as the media where it was disseminated. Supporting evidence is available.
Score	3

3.9.12 *Advanced Indicator* — Yes

A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.

Comment	In the file “3.9.12” and in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.9.12, Table N°30 and Table N°31”, there is a list for both sites, the collective action efforts, the organization involved, the position of the person (s) involved responsible, and description of the function performed by the site. Supporting evidence is available. Example for Agrovision from your list: -Collective action efforts: trainings to students on responsible water use and care. -The organization involved: National Superintendence of Water and Sanitation Services. -The position of the person(s) involved responsible: Head of SUNASS (Superintendencia Nacional de Servicios de Agua y Saneamiento). -Description of the function performed by the site: Agrovision coordinated with SUNASS the implementation of training on responsible water use and care in Las Norias school.
Score	8

3.9.13 *Advanced Indicator* — Obs.

Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.

Comment	In the Excel file “3.9.13” and in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 3.9.13, Table N°32 and Table N°33”, there is a list for both sites, the collective action efforts, the quantified improvement, the organization involved, the position of the responsible person(s) involved, and a description of the function performed by the site. Supporting evidence is available. Example for Agrovision from your list: -Collective action efforts: trainings to students on responsible water use and care. -Quantification of Improvement: 33 students trained in the responsible use and care of water. -Organization involved: Superintendencia Nacional de Servicios de Agua y Saneamiento (National Superintendence of Water and Sanitation Services). -The position of the person(s) involved responsible: Head of SUNASS (National Superintendence of Water and Sanitation Services). -Description of the function performed by the site: Agrovision coordinated with SUNASS the execution of training on responsible water use and care at Las Norias school. However, a selected reference date of the collective action site, where the quantified improvement has been achieved, has not been indicated. The contribution made by the site in material and positive terms to the implementation of the collective action is missing. From the AWS 2.0 Guidance: The site will have quantified evidence of positive impact(s) and evidence from stakeholders that the site did play a role in the collective action.

4	STEP 4: EVALUATE - Evaluate the site's performance.

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.*

Yes

Comment

The organization mentions that it conducts annual evaluations of the Sustainable Water Management Plan. See "WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024 in section 4.1.1".
In the Sustainable Water Management Plan for each site, files "Water Management Plan AGV 2024 ACT", "Water Management Plan ARV 2024 ACT", you have the percentage of progress (Column "V") and the "Performance Evaluation" in column "U" for each objective and the "Contribution to Achievement of Results" in column "W" for each objective; the "Update 2024" in column "AC" is important to see the achievements reached and helps the Performance Evaluation, Example:
Target objective: Promote 1% savings in irrigation of the 1980 ha blueberry crop.
Goal: Increase irrigation efficiency of the crop.
Progress: 50%.
Performance Evaluation: In this crop, the % of soil moisture is monitored through capacitance probes installed in the blueberry fields, in order to know the appropriate irrigation timing. Additionally, the CUI (Coefficient of Uniformity) of the drippers is monitored to know if the adequate volume of water is being used for irrigation.
Contribution to the Results: The company's latest water balance allows us to know and correct any excess in water use and encourage efficient use and water savings.
2024 Update: An evaluation of water consumption from January to July of 2022, 2023 and 2024 has been carried out, resulting in a decrease in water consumption of 600 m3/ha, which represents 10% considering 2024 vs. 2022 because 2023 was an anomalous year.

4.1.2 *Value creation resulting from the water stewardship plan shall be evaluated.*

Yes

Comment

The organization mentions that by allocating economic resources to meet the goals and objectives of the Sustainable Water Management Plan, labor, health and sanitation conditions are improved, also promoting environmental value in the conservation of water resources.
See file "WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024" in point 4.1.2".
In the Sustainable Water Management Plan for each site, files "Water Management Plan AGV 2024 ACT", "Water Management Plan ARV 2024 ACT", you have" Value generated" in column "Y" for each objective; Example:
Goal: Promote 1% savings in irrigation of the 1980 ha blueberry crop.
Goal: Increase irrigation efficiency of the crop.
Value generated: In 2023, the water consumption of the blueberry crop has been reduced to 1982 m3/ha, which represents a 19.5% reduction compared to 2022. With a saving of 2% of water, the value of the crop is USD 200K, considering a price of 0.12 $ m3.

4.1.3 *The shared value benefits in the catchment shall be identified and where applicable, quantified.*

Yes

Comment

In the Sustainable Water Management Plan for each site, files “Water Management Plan AGV 2024 ACT”, “Water Management Plan ARV 2024 ACT”, the “Basin Shared Value” is presented in the column “YZ” for each objective; the “Update 2024” in the column “AC”, the achievements are shown and supports the quantification of the achievements. , it shows the achievements and supports the quantification of the achievements. Example:
Goal: In Arena Verde, restore 50 Ha annually of native dry forests proper to the Forest Reserve during 2024.
Goal: Restoration of Protected Areas of the Forest Reserve with native dry forest species.
Shared watershed value: Environmental value, improving the water balance of the watershed, promoting infiltration, reducing runoff, conserving moisture, improving water quality and promoting biodiversity.
2024 Update: As of August 2024, a total of 22.11 ha have been restored in the Forest Reserve. Eleven wildlife refuges and 11 water troughs have been installed. See file “REPORT N° 052-2023 RESTORATION 2023”.

4.1.4 *Advanced Indicator*
A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be identified.

Yes

Comment

The Water Committee and other key representatives of Agrovisión Corp meet semi-annually to report on the progress of achievements and improvements for sustainable water management. See files “01. MINUTES 01-2023-COMMITTEE ACHIEVEMENTS 2023”, ”02. Coordination of Water Committee meeting”, ”03. Achievements and goals- AWS 2023”.
A review of the Water Committee of its Sustainable Water Management is presented, according to the Minutes shown “MINUTES 001- 2024 - AWS WATER COMMITTEE MEETING - 23 OCT” and photographs of the meeting, where the shared water challenges, risks and opportunities related to water, the results of its Water Management Plan and also the update of the members of the Water Committee have been reviewed according to the evidence; it should be noted that the Water Committee is led by senior management as shown in the Minutes signed by its officers.

Score 3

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.*

Yes

Comment

The organization has made a review of the last year, of an unusual climatological event in the Peruvian north coast that includes Lambayeque and also the Olmos and Mórrope area called CYCLONE YAKÚ between September 2022 and March 2023, which affected AGROVISIÓN AND ARENA VERDE plantations with intense rains affecting irrigation programs and water supply to crops, connection roads between villagers and agricultural operations; see file “INDICATOR_4. 2.1_CICLÓN_YAKÚ (1)”, which shows an analysis of the causes and effects.
The response of the sites to the Yaku phenomenon is described in the document “Site response to the Yaku”, where among other actions, the construction and civil works area activated an immediate response by making available the heavy machinery available to meet the challenges presented by this natural event; mitigation and recovery work in the affected areas in the community was also supported with equipment; support programs were activated to support the population with drinking water and food.
There are protocols in place to deal with weather events or emergency incidents: “AV-AA-PN-009 Plan de Emergencias Ambientales v3”; “Plan de contingencia_AGV” where actions are defined before, during, and after weather events or incidents.
Recognition was received from the Olmos District Municipality for its commitment to disaster risk management in the district of Olmos and its support during the emergency; see file “RESOLUCION DE ALCALDIA N 099-2024-MDO-A - INSTITUC_240902_230131”.

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

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

Comment: Stakeholder consultation efforts on the site's sustainable water management performance were conducted through emails, face-to-face meetings, virtual meetings, and through the publication of sustainable water management results on networks such as LinKedIN, surveys. See file in "Mail_ RESPONSE PROLMOS4 'made to the General Manager of Pro Olmos, an organization that groups agro-exporters operating in the lands of Olmos; file 'Mail_ response SUNASS" made to the Head of SUNASS (National Superintendence of Sanitation Services)-ODS Lambayeque; See file "MANUAL WATER MANAGEMENT AGV-ARV-AWS_2024" in point 4. 3.1"; files '1.2.1 Consultation PEOT'; 'AR-RC-PN-001 Community Relations Plan SIGNED'; 'Photo-Exhibition CC.RR.Plan to CCSPM'; 'Survey Rural Community of Morrope', Stakeholder Survey, 'Morrope - CCSPM' (physical letters), etc.

4.3.2 *Advanced Indicator*
The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement. Yes

Comment: The organization has received feedback from stakeholders on its efforts to address shared water challenges and on the site's efforts in the five result areas. Consultations were conducted through emails, face-to-face meetings, virtual meetings, and through the publication of sustainable water management results on networks such as LinKedIN, through surveys, as evidenced in the indicator above.
In the following files, stakeholder feedback can be evidenced: "4.3.2 Stakeholder Consensus - Olmos Municipality Mail"; "4.3.2 Stakeholder Consensus - Plantaciones del Sol Response"; "4.3.2 Stakeholder Consensus - SUNASS Response"; "4.3.2 Stakeholder Consensus - Agrícola Pampa Baja"; "See file ''MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024" in point 4.3.2".

Score: 6

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

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

Comment: The Water Committee and other key representatives of Agrovisión Corp meet every year end to review the results of the Sustainable Water Management of both sites during the year and the goals and achievements reached, making an evaluation of the results and identifying actions to be taken for the following year. See files "01. MINUTES 01-2023-COMMITTEE ACHIEVEMENTS 2023", "02. Coordination of Water Committee meeting", "03. Achievements and goals- AWS 2023".
Then in the Plan, the results are compared vs. the background for each objective; describing the "lessons learned 2023" and the Date of execution carried out in a period of time; a copy of the Plan of the previous version is kept. See files for year 2023 : "03. AC -FS-PL-013 -GG WATER MANAGEMENT PLAN- AGV R02_2023 (Agrovision Plan year 2023)"; "02. AC -FS-PL-014 -GG WATER MANAGEMENT PLAN- ARV R02_2023 (Green Sand Plan year 2023)". You can visualize the plans for year 2024 with the lessons learned from the previous year and with the progress of the goals, see files: "Water management plan AGV 2024 ACT (Agrovision Plan year 2024)"; "Water management plan ARV 2024 ACT (Green Sand Plan year 2024)".

5	**STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts**
5.1	*Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.*
5.1.1	*The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.* ✓ Yes
Comment	Evidence of the disclosure of the Water Committee that includes those responsible for compliance with the legal matrix of the sites is shown; to their stakeholders through mailings, see some examples of the evidence in the files: "5.1.1. Dissemination of sustainable water management - ANA mailing"; '5.1.1. Sustainable water management results - Olmos Municipality mailing'; 'Dissemination of sustainable management results - H20LMOS mailing (Annex 18)', 'Dissemination of sustainable water management - Pampa baja mailing'; 'Final water committee members'.
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.* ✓ Yes
Comment	Communication to stakeholders of the sustainable water management plan and its contribution to the results of the AWS standard was done through emails, face-to-face meetings, virtual meetings, and through the publication of the results of sustainable water management in networks such as LinKedIN, and surveys. In addition, flyers about the water management plan, water challenges and results of sustainable water management obtained in the production sites of Agrovision and Arena Verde, in strategic points of high affluence of workers, employees, suppliers and visitors. See files in "Mail_ RESPONSE PROLMOS4" to the General Manager of Pro Olmos, an organization that groups agroexporters operating in Olmos lands; file "Mail_ response SUNASS" to the Head of SUNASS (National Superintendence of Sanitation Services) - ODS Lambayeque; see file "MANUAL MANAGEMENT OF WATER AGV-ARV-AWS_2024" in item 5. 2.1"; files '1.2.1 Consultation PEOT'; 'AR-RC-PN-001 Community Relations Plan SIGNED'; 'Photo-Exhibition CC.RR.Plan to CCSPM'; 'Survey Rural Community of Morrope', Stakeholder Survey, 'Morrope - CCSPM' (physical letters), etc.
5.3	*Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.*
5.3.1	*A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.* ✓ Yes

Comment	A summary of the site's sustainable water management results, including quantified results in relation to the objectives have been disseminated through the LinkedIn platform and through emails. Flyers about the water management plan, water challenges and sustainable water management results obtained have also been posted at Agrovision and Arena Verde production sites, at strategic points of high affluence of workers, employees, suppliers and visitors. See records: “5.3.1 Linkedin results dissemination (Annex 19)”; “Annex 19. Flyer photographic report”; “5.3. 1 Print publication Linkedin results”; see in file ‘Correo_ RESPUESTA PROLMOS4 ’made to the General Manager of Pro Olmos, organization that groups agro-exporters operating in the lands of Olmos; file ‘Correo_ respuesta SUNASS’ made to the Head of SUNASS (Superintendencia Nacional de Servicios de Saneamiento)-ODS Lambayeque; See file ‘MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024’ in item 5. 3.1”; files ‘1.2.1 Consultation PEOT’; ‘AR-RC-PN-001 Community Relations Plan SIGNED’; ‘Photo-Exhibition CC.RR.Plan to CCSPM’; ‘Survey Rural Community of Morrope’, Stakeholder Survey, ‘Morrope - CCSPM’ (physical letters), etc.

5.3.2 *Advanced Indicator*
The site’s efforts to implement the AWS Standard shall be disclosed in the organization’s annual report.

Yes

Comment	As mentioned in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 5.3.2”; the ‘Sustainability Report 2023’, where the site's efforts to implement the AWS standard are disclosed, is available on the company's website https://agrovisioncorp.com/sustainability-2023/. See file “Sustainability Report 2023”; see the publications on its website: “Agrovision corp-Sustainability Report”, “Print Sustainability Report”.
Score	1

5.3.3 *Advanced Indicator*
Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization’s annual report.

Yes

Comment	As mentioned in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 5.3.3”; the quantification of the results for the site and stakeholders has been disclosed in the ‘Sustainability Report 2023’, available on the company's website: https://agrovisioncorp.com/sustainability-2023/. See file “Sustainability Report 2023-Pages 23, 24 and 25”; see the publications on its website: “Agrovision corp-Sustainability Report”, “Print Sustainability Report”.
Score	1

5.4 *Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges;engagement with stakeholders; and co-ordination with public-sector agencies.*

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

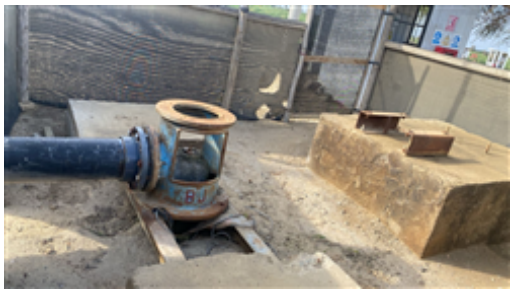
Yes

Comment	Evidence of the disclosure of the site's shared water challenges and the efforts made to address these challenges, to its stakeholders, is shown through emails, see some examples of the evidence in the files: “5.1.1. Disclosure sustainable water management - ANA 2 Mail”; “5.1.1. Sustainable water management results - Municipality of Olmos”; ‘Disclosure of sustainable water management results - H20LMOS’; ‘Disclosure of sustainable water management - Pampa baja’; ‘Disclosure of sustainable water management - PEOT’; ‘Disclosure of sustainable water management - Plantaciones del Sol’; ‘Disclosure of sustainable water management results - SUNASS’. In addition, as mentioned in the “MANUAL GESTIÓN DEL AGUA AGV-ARV-AWS_2024” in point 5.4.1”, flyers about the water management plan, water challenges and results of sustainable water management obtained, have been pasted in the production sites of Agrovision and Arena Verde, in strategic points of high affluence of workers, employees, suppliers and visitors. See file “Annex 19. Flyer photographic report”.

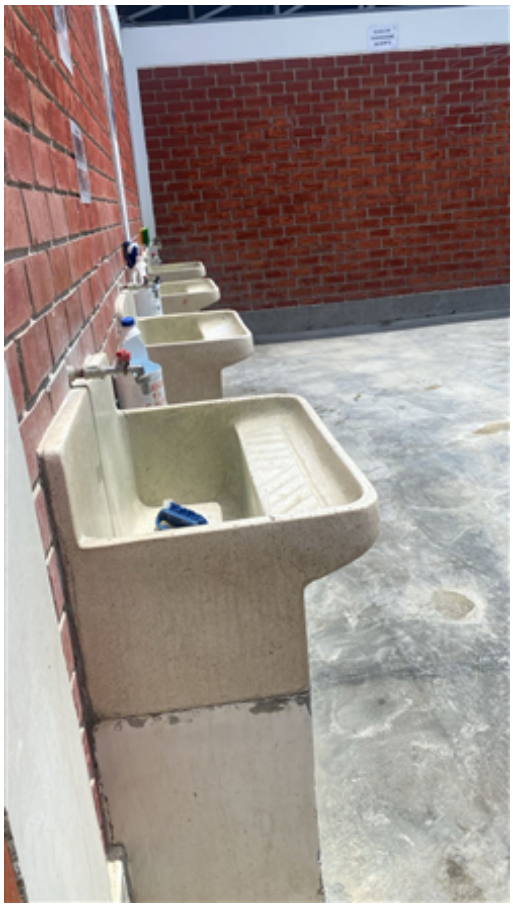
5.4.2	*Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.*	Yes
Comment	As mentioned in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 5.4. 2”, the efforts made by the site to involve stakeholders and coordinate with public sector agencies have been identified and are evidenced with the files: “AGV-SUNASS ARTICULATION AGREEMENT” -SUNASS (National Superintendence of Sanitation Services), for the purpose of conducting workshops to encourage responsible water use and care; file ‘GORE ARTICULATION AGREEMENT’, which is the articulation and coordination with the area of Natural Resources and Environmental Management of the Regional Government of Lambayeque, for the purpose of carrying out dry forest restoration and reforestation activities; The “PEJEZA articulation act” file, which is the Jequetepeque-Zaña Special Project, with the purpose of carrying out restoration, reforestation and water quality monitoring activities in the Jequetepeque-Zaña watershed.	
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.*	Yes
Comment	The organization has no violations related to compliance with water regulations, as it ensures strict compliance with the requirements established in the legal and regulatory framework, described in indicator 3.2.1, where the process has been developed to verify the organization's full legal and regulatory compliance. Examples of legal compliance include: - “RD N° 1218-2020- ANA- AAA-JZ-V (1)” of well N°03 of Agrovisión, “RD N°1529-2018-ANA-AAA-JZ-V” of two wells of lots C5 and C6 of Agrovisión; “RD Nº710-2021-ANA-AAA JZ-V” of well license and “RD Nº711-2021-ANA-AAA JZ-V” of well license, -Some environmental monitoring “2024_MONITOREO AMBIENTAL I S. LOTE C5”, “2024_MONITOREO AMBIENTAL I SEMESTER ARENA VERDE (1)”, “2024_MONITOREO AMBIENTAL I SEMESTER LOTE C6 (2)” are attached; -Surface water use authorization “1.- Autorizacion de Uso de agua R.D. 2011-2014_”. -Monthly water use payments to H2Olmos concessionaire, “receipts from May to set 2024”.	
5.5.2	*Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.*	Yes
Comment	The organization has not committed violations related to water-related regulatory compliance, therefore there are no corrective actions to disclose. In case there is a legal non-compliance, communication will be made to the respective regulatory entity immediately and corrective actions will be implemented according to their procedures developed in indicator 3.2.1 and as indicated in the “WATER MANAGEMENT MANUAL AGV-ARV-AWS_2024” in point 5.5.2”.	
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.*	Yes
Comment	The organization has not committed any water-related violations that could pose a significant risk and threat to human or ecosystem health; therefore, there is nothing to report to relevant government agencies and no need to disclose.	

Photographic Evidence from Audit

Yes



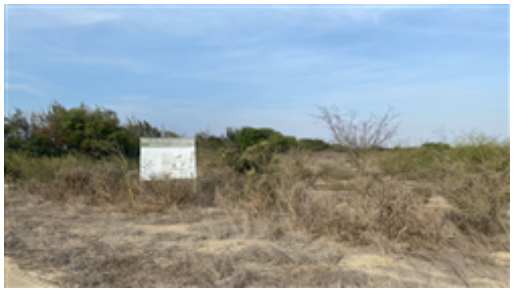
Subway well N°1- Arena Verde
PHOTO-2024-10-16-16-11-50.jpg



Washing of Personal Protective Equipment of collaborators handling agrochemicals
PHOTO-2024-10-16-13-17-07.jpg

Fuel storage - Agrovision

PHOTO-2024-10-16-13-09-24.jpg

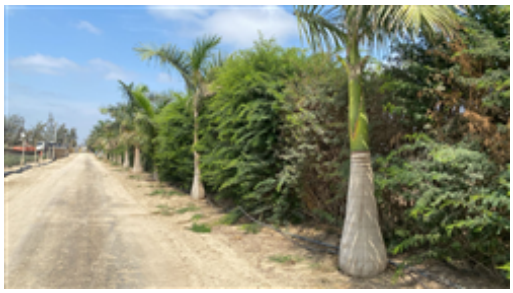


Forest Protection Area - 1,174.00 hás of native species with a projection of reaching 1,980.00 hás, Arena Verde

PHOTO-2024-10-16-16-28-10.jpg

Wastewater Treatment Plant - Agrovision

PHOTO-2024-10-16-12-55-35.jpg



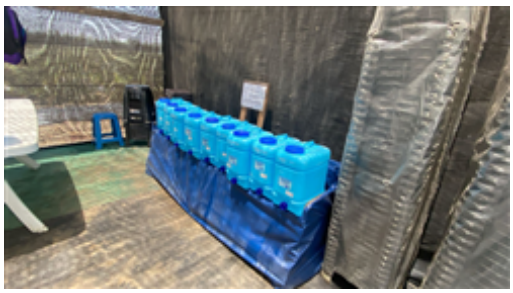
Cercos vivos - Lot C5 Agrovision

PHOTO-2024-10-16-10-11-26.jpg

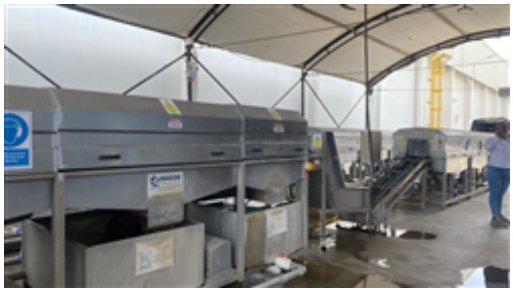
25,000.0 m3 - Green Sand Reservoir
PHOTO-2024-10-16-15-55-10.jpg

Water filling point for agrochemical applications
PHOTO-2024-10-16-10-39-35.jpg

Drainage with reforestation of native trees at the edges in Agrovision.
PHOTO-2024-10-16-11-44-58.jpg



Drinking water distributed in 20 liter jerry cans for field canteens - Agrovision.
PHOTO-2024-10-16-11-20-14.jpg

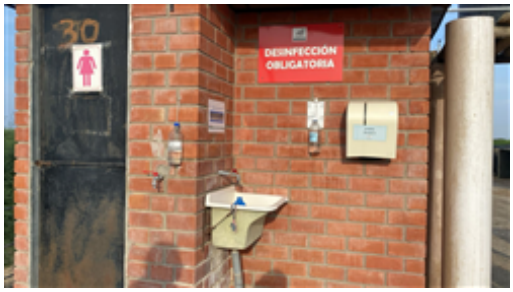


Jaba washing machine - Packing Agrovision
PHOTO-2024-10-16-13-40-18.jpg

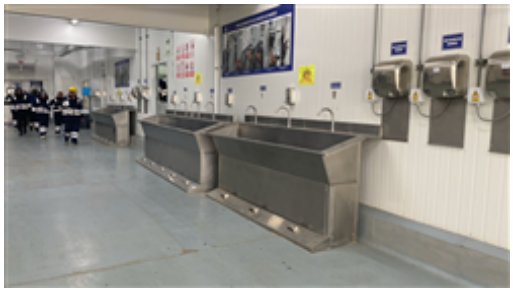
HIDRANTE Lot C5 Agrovision
PHOTO-2024-10-16-10-07-35.jpg

Pumping room 3- for Reservoir Lot C5
PHOTO-2024-10-16-11-57-11.jpg

Septic tank - Arena Verde
PHOTO-2024-10-16-16-09-01.jpg



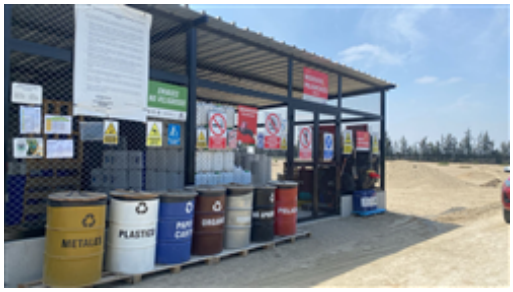
Hygienic services in the field - Arena Verde
PHOTO-2024-10-16-16-52-07.jpg



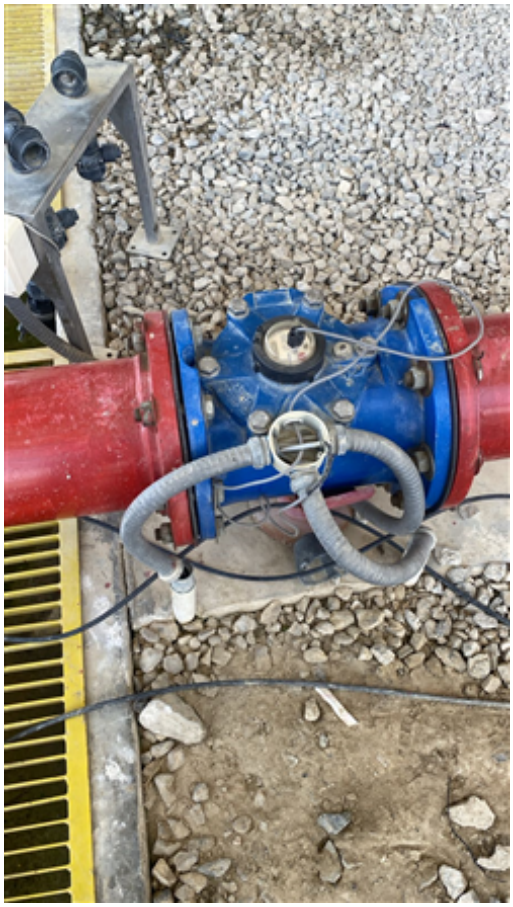
Hand washing and disinfection point - entrance to Packing Agrovision
PHOTO-2024-10-16-13-31-12.jpg

Drinking water treatment Lot C5
PHOTO-2024-10-16-10-52-39.jpg

Women's Hygienic Services -Packing Agrovision
PHOTO-2024-10-16-13-27-14.jpg

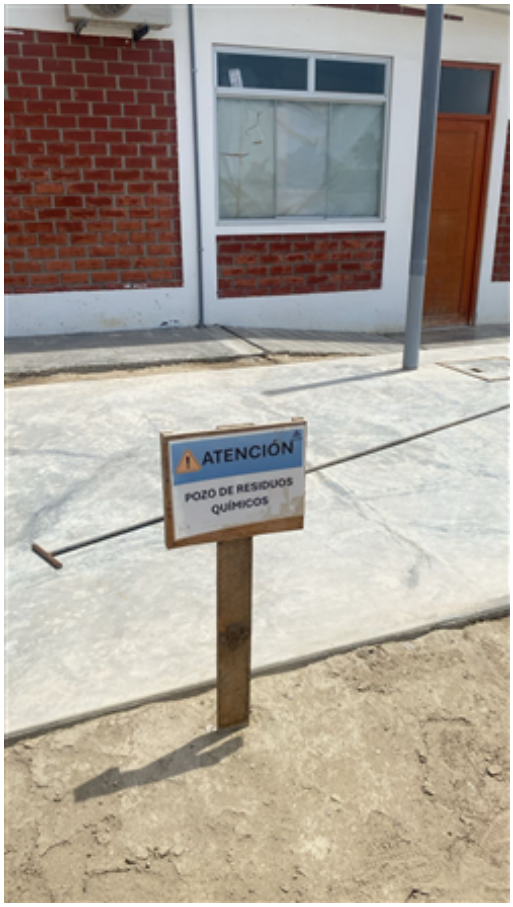


Hazardous waste warehouse Lot C5 Agrovision PHOTO-2024-10-16-10-23-41.jpg



Each irrigation line has its own flowmeter Batch C5 PHOTO-2024-10-16-12-16-02.jpg

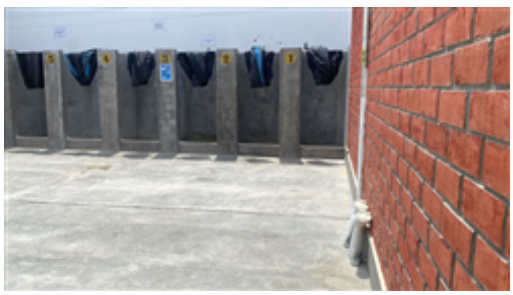
Native plant nursery - Arena Verde
PHOTO-2024-10-16-16-30-29.jpg



Chemical waste water treatment well - Agrovision
PHOTO-2024-10-16-13-14-57.jpg

25,000.0 m3 reservoir at Agrovision
PHOTO-2024-10-16-11-59-23.jpg

Subterranean well N°3 Lot C5
PHOTO-2024-10-16-10-42-13.jpg



Showers for personnel handling agrochemicals
PHOTO-2024-10-16-13-17-19.jpg

Upgrade or Downgrade of Certification

Justification for Upgrade or Downgrade

Summary of Evidence which led to change

	Previous Findings	
	All non-conformities raised in the previous audit have been satisfactorily closed.	N/A
Comment	As this is an initial audit, there are no previous findings.	