Alliance for Water Stewardship Re-assessment Report
Prepared for Yunnan Dashan Drinks Co., Ltd.
(AWS-000160)

Prepared by: SGS

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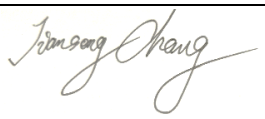
SIGNED:	Jiansong Chang Signed: 
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1 EXECUTIVE SUMMARY

The scope of services covers the re-assessment of water use in compliance with the AWS International Water Stewardship Standard (Version 2.0) for Yunnan Dashan Drinks Co., Ltd. (hereinafter referred to as “Dashan” or “the site”) located at Songmao Village, Qidian Town, Chenggong District, Kunming City, Yunnan Province, P. R. China. The re-assessment has been completed in compliance with the AWS Certification requirements, Version 2.0 dated December 2019, covering all core indicators and advanced-level indicators implemented by the site.

Dashan was constructed in 2002, started operating in 2003, acquired by Nestlé Water (at 70%) in 2010 and became a Nestlé Waters’ wholly-owned subsidiary in 2014. Because of its strategic adjustment of water business in China, Nestlé sold Dashan completely to Tsingtao Beer Purefamily Health Drinks Co., Ltd. (hereinafter referred to as “Tsingtao Beer Purefamily”) in October 2020, which is wholly-owned by Tsingtao Beer Group.

Although it is acquired by Tsingtao Beer Purefamily, Dashan has no changes in its management systems including water stewardship. It still produces drinking water that are either packaged in bottles (330 ml, 550 ml, 1350 ml and 5000ml) or HOD containers (HOD Home Office Delivery) of 16.9 l and 18.9 l each. The raw water used for the process is abstracted from 5 boreholes located on the site or in the close vicinity.

Dashan was awarded an AWS Gold certificate on 11th September 2018 with the expired date of 10th September 2021. It is eager to continuously maintain the AWS Gold certificate after the ending of the first certification cycle. Thus, Dashan invites SGS-CSTC Standards Technical Services Co., Ltd. (hereinafter referred to as “SGS”) to conduct the re-assessment for its facilities and activities to confirm its continual conformity with the AWS International Water Stewardship Standard (Version 2.0).

On 28th-29th June 2021, SGS performed the re-assessment for Dashan’s facilities and activities with regard to certification to the AWS Standard (Version 2.0). No non-conformities were found during the course of the re-assessment, and a total of two observations were raised. In addition, the two minor non-comformities raised during the 2nd surveillance audit on 26th-27th October 2020 had been completely closed out.

Although Dashan’s owner has been changed from Nestlé to Tsingtao Beer Purefamily, it still pays great attention to its water stewardship and communication with relevant stakeholders, especially the local communities. Dashan’s general manager said during the closing meeting, they will make more efforts and try their best to be awarded a AWS Platinum certificate in the near future.

In addition, according to the re-assessment of Dashan's performance against the AWS advanced indicators (Version 2.0), the total of Dashan's cumulative advanced indicators scores is 62, which is up to the AWS Gold level.

Given the review of evidence provided and site visit inspections performed at Dashan, SGS recommends that Dashan be awarded AWS Gold Certified status with a surveillance audit interval of annual frequency.

2 SCOPE OF ASSESSMENT

The scope of services covers the re-assessment of water use in compliance with the AWS International Water Stewardship Standard (Version 2.0) for Yunnan Dashan Drinks Co., Ltd. (hereinafter referred to as “Dashan” or “the site”) located at Songmao Village, Qidian Town, Chenggong District, Kunming City, Yunnan Province, P. R. China. The re-assessment has been completed in compliance with the AWS Certification requirements, Version 2.0 dated December 2019, covering all core indicators and advanced-level indicators implemented by the site.

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Dashan is situated between Songmao and Malang Villages in Qidian Township. It is about 20 kilometers to the east of Kunming City, the capital of Yunnan Province. As a drinking water producer, Dashan’s raw water used for the process is abstracted from 5 boreholes (ZK1, ZK2, ZK3, ZK1bis, ZK2bis) located on the site or in the close vicinity. The following Table 2.1 presents some basic information about the 5 boreholes.

Table 2.1 Basic Information of Boreholes

Borehole Reference	Year Constructed	Drilled Depth (m bgl)	Current Yield (m^3/year)*			Location	GPS Coordinates	
			2019	2020	2021		X	Y
ZK1	2003	298	88,836	63,062	63,062	Within the site	102°55′34.59″E	24°54′29.56″N
ZK2	2005	296	123,163	91,993	91,993	Outside the site	102°55′34.45″E	24°54′28.03″N
ZK3	2009	497	173,168	98,253	98,253	Outside the site	102°55′40.06″E	24°54′22.56″N
ZK2 bis	2012	450	105,230	76,498	76,498	Within the site	102°55′41.98″E	24°54′21.01″N
ZK1 bis	2012	395	250,397	187,166	187,166	Within the site	102°55′23.06″E	24°54′19.68″N
Total Yield (m^3/year)			740,794	649,951	516,972			

* Note:

(1) The statistical data in 2021 were calculated according to the data from January to May 2021.

(2) The permitted water-intaking approved by Kumning Water Authority is 1,332,000 m^3/year.

On 28th-29th June 2021, SGS-CSTC Standards Technical Services Co., Ltd. (hereinafter referred to as "SGS") conducted the re-assessment for Dashan's facilities and activities with regard to certification to the AWS International Water Stewardship Standard (Version 2.0) , covering all core indicators and advanced-level indicators implemented by the site. The following Table 2.2 presents SGS audit team, and the audit plan is attached as a separate document.

Table 2.2 SGS Audit Team

Audit Team		Qualifications/Experience
Jiansong Chang (onsite)	Team Leader	AWS certified auditor, with more than 26 years experience in environmental and social impact assessment (ESIA), treatment of wastewater, solid waste and hazardous waste, more than 6 years experience in performing environmental and social risk assessment in line with the IFC E&S, GRI, FSC FM and RTRS soy bean production standards.
Guangxu Dai (offsite)	Local Technical Expert in Kunming	Senior engineer of hydrogeology and engineering geology with more than 30 years experience in hydrogeology, engineering geology, water resources evaluation, conservation of water and soil, etc.

During the re-assessment, our working arrangement is as follows:

- A half day on the inspection of Dashan's installations and activities at the site, covering boreholes, production buildings, wastewater treatment station, storage warehouses for chemicals and hazardous waste, administration areas, staff canteen, and employees' accommodation, etc.;
- One day on the personnel interviews and document reviews at Dashan's office; and
- Another half day on the visit to Songmao Village and Malang Village to interview stakeholders.

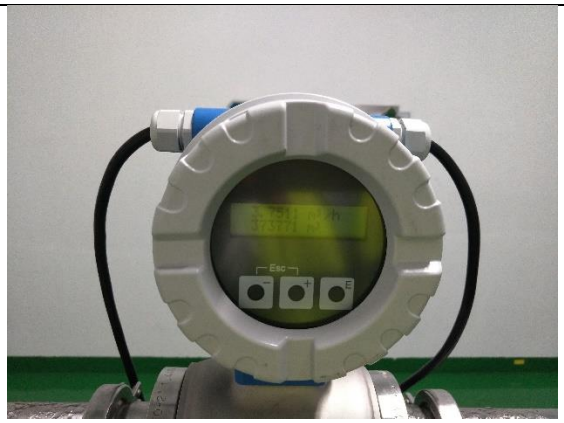
Dashan provided most of the requested supporting documentation as evidence whilst on site. SGS provided initial feedback on the gaps between Dashan's current management and the level required by the standard during the closing meeting of the re-assessment on 29th June 2021.

The following Table 2.3 shows some representative pictures taken at the site.

Table 2.3 Photos from Dashan Production Site

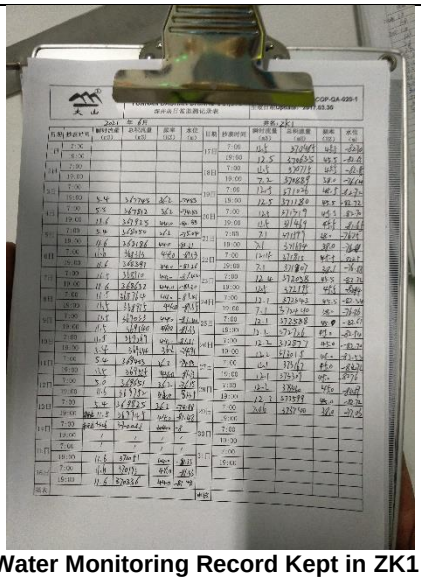
Deep Well - ZK1 Room

CCTV Installed for ZK1



Water Flow Meter Installed for ZK1

Control Cabinet (for Well Level, Well Pressure, Well Temperature, etc.) Installed for ZK1



Daily Water Monitoring Record Kept in ZK1 Room

Water Level Monitor Networking with ZK1 Installed at Production Line (The water level figuer simultaneously displayed in ZK1 room and production line is the same. Please see the figures in red circle. If the water level approaches to the given warning level, the operator can switch off water pump mannually.)

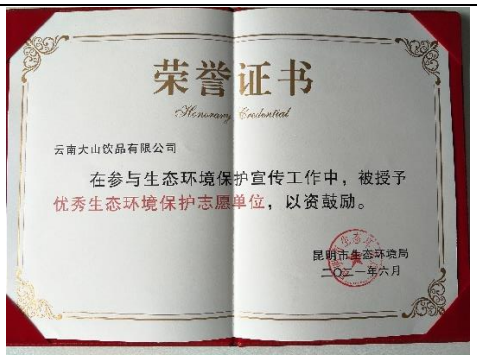
Water Saving Plan Put up at Workshop

Chemical Warehouse

Underground Wastewater Treatment Station

Sludge Dewatering

Baby Care Room Installed at Female Employees' Dormitory



Honorary Certificate Issued by Kunming Ecology and Environment Bureau in June 2021 for Dashan's Active Participation in Promotion of Ecological and Environmental Protection

Promotion of Students' Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School

Promotion of Students' Awareness of Cherishing, Saving and Protecting Water at Malang Primary School

3 STAKEHOLDER ANNOUNCEMENT AND CONSULTATION

3.1 CALL FOR STAKEHOLDER'S INPUT BEFORE ON-SITE RE-ASSESSMENT

Following the AWS Certification Requirements, before the on-site re-assessment, SGS released a stakeholder announcement on 25th May 2021 through SGS' website: https://www.sgsgroup.com.cn/zh-cn/news/2021/05/kn-0525-aws-news, which stated Dashan's intention to pursue AWS re-certification (See Picture 3.1). Besides submitting to AWS for publication on the AWS website, the stakeholder announcement was also posted on the information disclosure bulletin board installed at Dashan (See Picture 3.2), and the main gate of Malang Village Committee (See Picture 3.3) and Songmao Village Committee (See Picture 3.4), and displayed on Dashan's WeChat Public Platform for disclosing its AWS policies and performance (See Picture 3.5).

Picture 3.1: Screen Shot of Releasing Stakeholder Announcement on SGS' Website

Picture 3.2: Stakeholder Announcement Posted on Information Disclosure Bulletin Board Installed at the Entrance of Dashan Employees' Canteen

Picture 3.3: Stakeholder Announcement Posted at the Main Gate of Malang Village Committee

Picture 3.4: Stakeholder Announcement Posted at the Main Gate of Songmao Village Committee

Picture 3.5: Stakeholder Announcement Disclosed on Dashan's WeChat Public Platform

SGS received no feedback information since the release of the stakeholder announcement.

3.2 STAKEHOLDER INTERVIEW DURING ON-SITE RE-ASSESSMENT

During on-site re-assessment, we interviewed officials from local village committees and local villagers. They all showed their satisfaction of Dashan's water stewardship. In addition, both the officials and villagers spoke highly of Dashan's contributions to local villagers, including:

- Long-term monitoring of local villagers' drinking water quality;
- Provision of barrelled water to local villagers at half price;
- Caring for the elderly in local villages and offering them water, cereals & oil food in Chinese traditional festivals; and
- Promoting local people's awareness of saving water, especially the water saving education to local primary school students, etc.

Based on the interviews, groundwater is used by both Malang Village and Songmao Village as their drinking water. Tap water supply system has been built at the two villages. Sewage dischared from villages is treated by septic tanks, and domestic waste is collected and disposed of by local sanitation authority with a centralized way. Furthermore, a severe water shortage had never happened in the villages in the past five years.

When officials from local village committees and local villagers were asked whether there were some concerns or suggestions about Dashan's water stewardship, they all hoped that Dashan can maintain a sound water stewardship, and some interviewees suggested that Dashan may strictly control its groundwater withdrawal and avoid the potential risk of land subsidence caused by over-pumping of groundwate. The concerns and suggestions from interviewees were introduced to Dashan during the closing meeting on 29th June 2021.

In addition, we also interviewed Dashan's own employees and canteen staff from a service provider. Based on the interviews, they all had a high awareness of water saving and were quite satisfied with their existing WASH conditions.

Since the local relevant government authorities such as water authotiry and ecology and environment authority were busy celebrating the 100th Anniversary of the Founding of the Communist Party of China, we failed to interview relevant government officials.

4 DESCRIPTION OF CATCHMENT

Dashan is located in the Dianchi Lake Catchment which has the total catchment area of 2,920 km^2. Regionally, the site is about 20 km to the east of Kunming, the capital of Yunnan Province, 17km far away from the east of Dianchi Lake, and 7km far away from the west of Yang Zonghai Lake. The site coordinates are 24°54'24.02"N and 102°55'36.38"E.

The following Figure 4.1 shows the location of the site.

Dashan is situated in a 6 km long V-shape valley consisting of 2 sections:

- a 3.5km long section oriented SEE to NWW; and
- a 2.5km long section oriented NNE to SSW and leading to the Songmao reservoir which is downstream and about 4km far away from Dashan, and acts as the outlet of the valley.

The usual terrain slope in the area is 15-25°. The highest point in the region is the top of Shanmao Mountain located at the north of the valley with the elevation of 2,253m, and the lowest point is situated in the valley near the site with the elevation of 2,073m. Water in the area flows into the downstream Songmao Reservoir. The elevation at the Reservoir mouth is 2,011m. The upstream discharge area is located 1.5km far away from the site with the elevation of 2,040m.

Based on the geological and hydrogeological conditions in the region, the shallow and deep groundwater flow areas are identified in the aquifer of Emei basalt. The shallow groundwater flow area contributes Dashan's main source of water. Currently, Dashan receives its water from a network of 5 boreholes located in and around the site and respectively numbered ZK1, ZK2, ZK3, ZK1bis and ZK2bis.

The following Figure 4.2 shows the location of boreholes.

In addition, it is discovered that the groundwater discharge area in the aquifer of Emei basalt appropriately matches the surface water discharge area.

On the regional scale, the geology of the Dashan area consists of an Upper Basalt Permian age plateau (Emei formation) overlying a Lower Permian Limestone formation (Maokou formation). The basalt formation stretches to the north and to the south of Dashan area and is locally covered by Quaternary formations.

The boundary between the basalt and limestone formations is located around 3.5 km west of Dashan. Around 1.5km east of Dashan, the basalt formation is bounded by the Lufeng formation which is a Jurassic mudstone and siltstone formation.

Figure 4.1 Location of Dashan

Figure 4.2 Location of Boreholes

The thicknesses of the Permian Emei basalt and the Permian Maokou limestone range respectively from 300 m to 950 m and from 100 m to 350 m. At the Dashan location, ZK1bis, ZK2bis and ZK3 boreholes have intercepted the limestone formation during drilling at depths ranging from 390 m to 460 m. The thickness of the Quaternary formations ranges from 6 to 23 m in ZK1, ZK2, ZK3, ZK1bis and ZK2bis.

The main aquifer in Dashan area is the Malang Songmao hydrogeological unit, which consists of the Permian limestone aquifer, the Emei basalt aquifer and the Quaternary formations aquifer. It is bounded by the Jurassic siltstone formations to the east. The total area of the Malang Songmao hydrogeological unit is 22 km^2 with the recharge area is 11.15 km^2.

The following Figure 4.3 shows the Malang Songmao hydrogeological unit.

Based on the Water Resource Sustainability Assessment Report prepared by Antea Group in July 2016, 32 wells and springs were identified for water supply in Malang Songmao hydrogeological unit. They are used by the local people for drinking water and everyday use water, by industries and for irrigation. Most of these water supply points are pumped below 10 m^3/h on average.

The following Figure 4.4 shows the land use in the Malang Songmao hydrogeological unit.

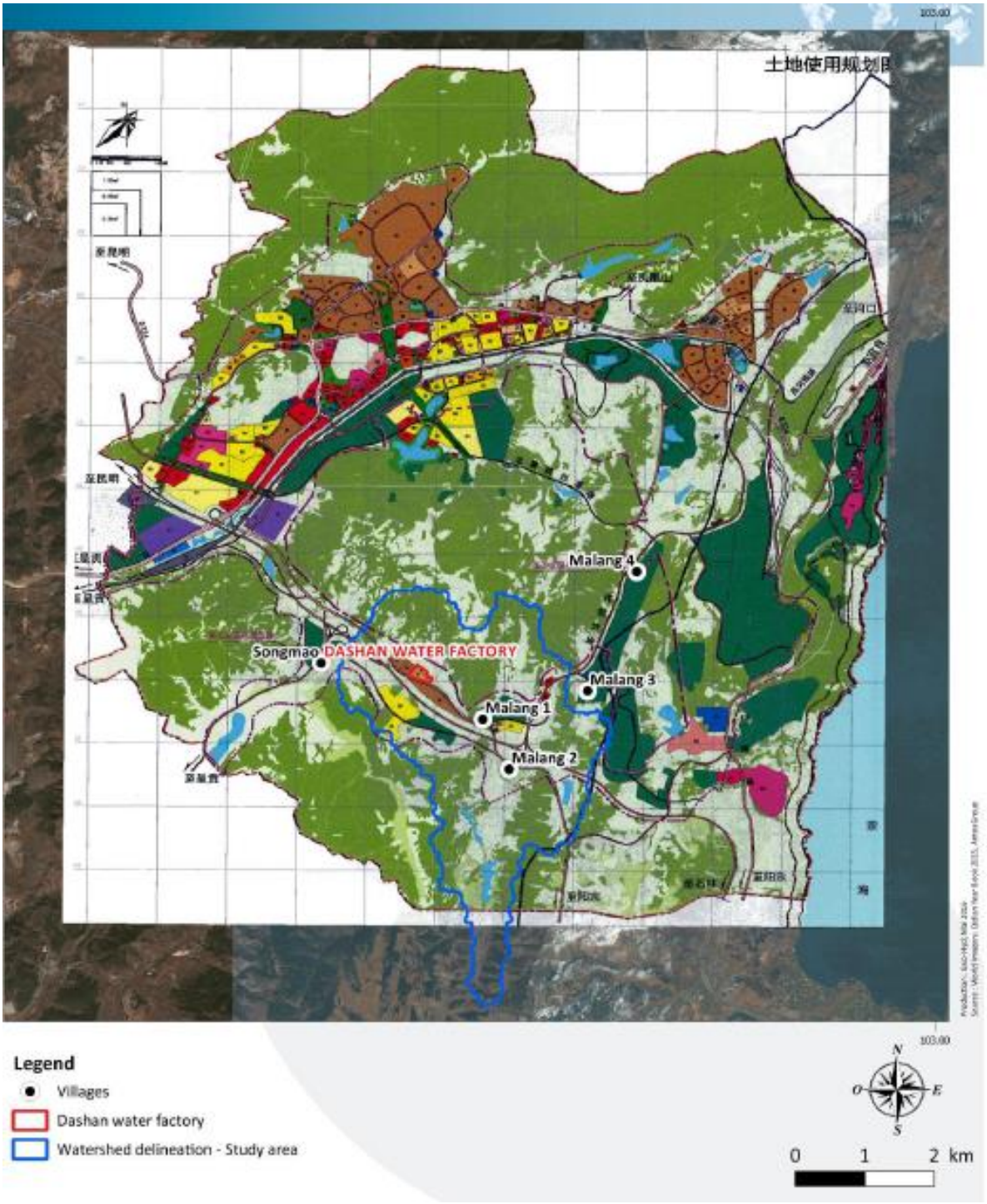


Figure 4.3 Malang Songmao Hydrogeological Unit

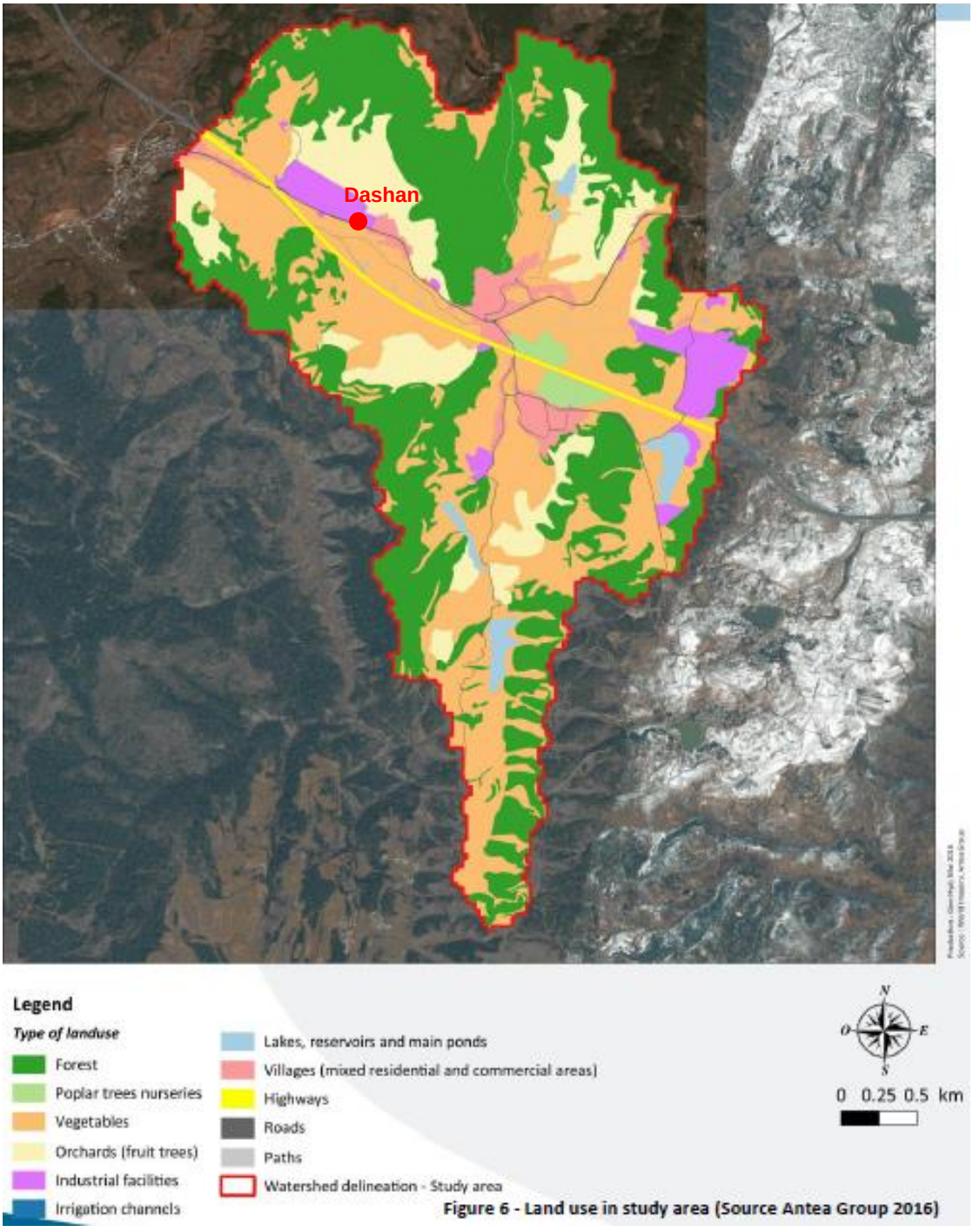


Figure 4.4 Land Use in the Malang Songmao Hydrogeological Unit

Based on Yunnan Water Resources Bulletin 2019 issued by Water Resources Department of Yunnan Province in September 2020, the water consumption of 16 cities/prefectures in Yunnan Province including Kunming City did not exceed their total control target in 2019, and the regional water balance was well maintained. Furthermore, Dashan has been recording the

groundwater level of the five boreholes since 2013. The analytical results showed that the groundwater level of the five boreholes is relatively static. The following Figure 4.5 presents the statistical results of groundwater level of the five boreholes.

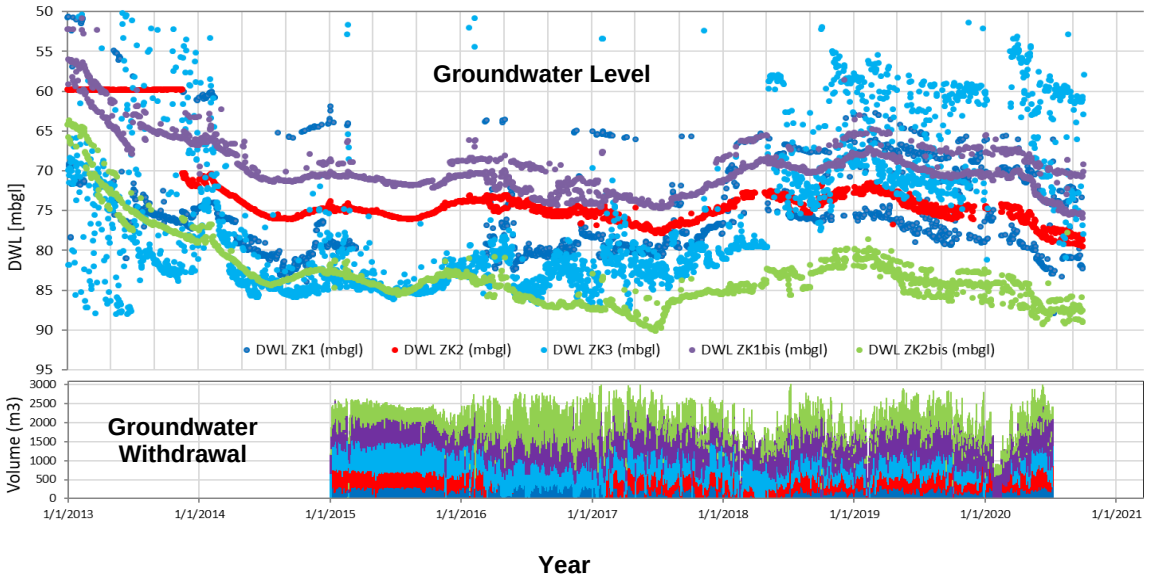


Figure 4.5 Statistical Results of Groundwater Level

Dashan has built a wastewater treatment station located at the entrance of the site. This wastewater treatment (WWT) comprises two separate treatment units. One unit is dedicated to the treatment of wastewater from the industrial process and one to the treatment of sanitary wastewater from the dormitories, canteen and toilet facilities.

The WWT processes are similar for the 2 streams but there is an additional step for the sanitary wastewater which undergoes anaerobic digestion prior to aeration. The design capacities are:

- 150 m^3/day for Sanitary Wastewater, and
- 1,200 m^3/day for Process Wastewater.

The treated effluents are then mixed before discharge to the stormwater drain outside the site which is connected to the irrigation network.

The sewage sludge is collected by a specialized company which takes them to an authorized landfill.

5 REVIEW OF SHARED WATER CHALLENGES

Dashan had identified general shared water challenges in the catchment which had been communicated with local communities and government authorities. The following table 5.1 elaborates the shared water challenegs.

Table 5.1.Detailed Shared Water Challenges for Dashan

No.	Water Challenge	Associated Public-Sector Agency	Relevant/Rationale for Stakeholders	Score	Relevant/Rationale for Site	Score	Total Score	Priority (1-4)	Rationale for Prioritization
1	Continuous increase of water shortage	Kunming Water Affairs Bureau is promoting water-saving campaign involving the entire people, and regulations including "Regulations on the Administration of Urban Water Saving in Kuming", "Regulations on the Administration of Urban Water Supply in Kunming" and "Penalty Measures for the Administration of Water Saving in Kuming" had been issued by local government. According to the regulations, a non-resident water user with its water consumption exceeding 100t/month shall apply for the planned water-use index. The exceedance shall be checked on a monthly basis, and the cumulative price markup shall be collected.	The water consumption exceeding natural recharge may dry up boreholes, and result in the difficulty for local residents to get water.	3	It may increase Dashan's difficulty to get water, result in the stakeholders' complaints, even its production suspended.	3	9	1	The scoring of stakeholders and Dashan is according to the CRP2.0 report, WRSA report and the discussion of AWS team. The total score comes from the arithmetic product of stakeholders and Dashan's scores. The priority 1, 2, 3 and 4 are respectively defined in accordance with the total scores are 7-9, 4-6, 2-4 and 1-2.
2	The groundwater abstraction of water plants in the catchment may result in the falling of grounwater level which may greatly influence local residents' water consumption.	Imposing restrictions on the water withdrawal of all water plants in the catchment, and coordinating the relations among local enterprises and communities.	It will increase the difficulty for local residents to get water.	3	Water quantity that can be exploited will decrease, and uncertainties will increase to Dashan's business development in the future. Local residents may have more complaints about Dashan. Pressure may be brought to local government because of the conflict	3	9	1	

No.	Water Challenge	Associated Public-Sector Agency	Relevant/Rationale for Stakeholders	Score	Relevant/Rationale for Site	Score	Total Score	Priority (1-4)	Rationale for Prioritization
					between Dashan and local villagers. The local government may release the pressure to Dashan.				
3	The local climate changes may result in the uncertainties of rainfall.	N/A	The shortage of water recharge in the catchment	3	Result in the shortage of water recharge in Dashan	3	9	1	
4	Risk of water contamination (surface water/groundwater)	An Ecological Compensation Mechanism for Watercourses in the Dianchi Watershed is being promoted by Kunming Water Affairs Bureau. An upstream enterprise must pay ecological compensation for the treatment of downstream water environment in the Dianchi watershed if it fails to meet the targeted water quality or complete the annual tasks of wastewater treatment. A responsibility system for each river reach in the Dianchi watershed had been promoted since 2008, and the total of 59 monitoring sections had been determined for 34 rivers.	Influencing local residents' normal irrigation. They cannot monitor water quality in time, and their health may be influenced because of poor water quality. Water-related diseases may be produced.	2	Untreated sewage discharged from nearby villages, and fertilizers and pesticides used by local farmers may contaminate groundwater and irrigation water, and then influence the quality of groundwater extracted by Dashan.	2	4	2	
5	The increase of water demand because of urban development and planning	The local government is planning to build pipeline networks of tap water.	Inceasing the water shortage in the catchment	3	Inceasing Dashan's water shortage	2	6	2	
6	Water tariff (taxes and dues for water resources so as to control groundwater exploitation)	Based on the "Implementation Suggestions on Quickly Promoting Water Tarrif Reform of Water Conservancy Works" issued by Kunming People's Government on 14 November 2016, the system of cumulative price markup for over-quota/planned quota will be	The water consumption will be restricted, and the water cost will increase.	2	The cost for grounwater withdrawl will increase, and the profit will decrease.	2	4	2	

No.	Water Challenge	Associated Public-Sector Agency	Relevant/Rationale for Stakeholders	Score	Relevant/Rationale for Site	Score	Total Score	Priority (1-4)	Rationale for Prioritization
		implemented and the price of groundwater will be improved.							
7	The local governments lack effective water governance and regulatory supervision	The strictest water resources management system had been implemented by Kunming People's Government, assessment methods had been issued, and an index system with three "red lines" (referring to the control of water resources exploitation and utilization, the control of water-use efficiency and restriction on receiving capacity of water function areas) had been established.	Poor water governance in the catchment, and unfair and irrational water use.	1	Over-exploitation of underground water by other plants results in the unfair competition. Poor water governance in the catchment leads to the decrease of available water resources.	2	2	3	
8	Higher requirements of water efficiency and wastewater discharge standard, and difficulty in obtaining water permit	Local policies/procedures related to the application for the establishment of sewage outlet and water license	Difficulty in obtaining pollution discharge permit and water permit may influence management, production and living.	1	Difficulty in obtaining water permit and cost increase of sewage treatment. Currently, the treated effluent can meet the class A limit of national standard including the discharge of phosphate. Sludge is used as manure by local farmers.	2	2	3	
9	Poor disposal of waste including domestic garbage	Local communities are improving the construction of sanitation infrastructure including garbage station, public toilets, etc.	contaminating the environment and influencing local people's living quality	2	Causing great difficulty for Dashan's prevention of foreign matters and contaminating water resources	1	2	3	

6 INDICATORS CHECKLIST

6.1 CORE AWS INDICATORS

As per the requirement set out in the Section 3.3 of the AWS Certification Requirements, the following table 6.1 presents all the CORE AWS indicators with the relevant reviewed evidence provided by Dashan.

Table 6.1 Evidence Reviewed by SGS Against Each CORE AWS Indicator

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	Maps showing the site's physical scope for water stewardship purposes are available, including: • A site layout map showing the site boundaries with the location of five boreholes for water supply and the discharge point of mixed wastewater and rainwater connecting with local irrigation network. The detailed information about the 5 boreholes are elaborated on Page 39, Section 5.2: Water Sources, Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016. A Wastewater Treatment Plant has been built and located at the entrance of the site. It comprises two separate treatment units. One unit is dedicated to the treatment of wastewater from the industrial process and one to the treatment of Sanitary Wastewater from the dormitories, canteen and toilet facilities. The treated effluents are then mixed before discharge to the stormwater drain outside the site which is connected to the irrigation network. The local farmers utilize the treated effluents for irrigation. The surroundings of the site are as follows: – South: SanLv Road; – North: Mountains; – East: Residents of Malang Village; and – West: Orchard of Songmao Village

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		• General drawing of site piping network for rain water and sewage with detailed water-related infrastructures such as wastewater treatment station, fire pool and emergency pool. • Map of catchment that the site affects and is reliant upon for water. A description of the catchment is elaborated on page 3-6, Section 2.0: Natural Conditions, and Section 3.0: Geological and Hydrogeological Conditions, Hydrogeological Survey Report for Dashan developed by Golder Associates in July 2014. REF001: Dashan Site Layout Map REF002: Dashan General Drawing of Site Piping Network for Rain Water and Sewage REF003: Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016 REF004: Hydrogeological Survey Report for Dashan developed by Golder Associates in July 2014
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.	The main stakeholders were identified in the Section 7.1: Identification of Main Stakeholders, Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016. Based on the identification results mentioned above, Dashan developed its Stakeholder Mapping in 2017, which was updated in 2020 when the the re-evaluation of water use in compliance with the AWS International Water Stewardship Standard (Version 2.0) was conducted and WWF was listed in the Stakeholder Mapping. Currently, a total of 24 stakeholders are identified mainly including Adminstrative Committee of Kunming Yang Zonghai Lake Scenic Area, Qidian Town Sub-district Office, Songmao Village Committee, Malang Village Committee, farmers from Songmao Village, farmers from Malang Village, employees, suppliers, surrounding factories, WWF, etc. Through stakeholder consultation, Dashan analysed water-related interests and challenges presented by different stakeholders. The degree of stakeholder engagement was also identified. REF003: Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016 REF005: Dashan Stakeholder Mapping in 2020

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	Based on Dashan Stakeholder Mapping in 2020, the current and potential degrees of influence between site and the stakeholders were identified, and 4 scales are defined based on their importance and interests. The Stakeholder Mapping showed that high scale (4.0 or 3.5) was marked to Songmao Village Committee, Malang Village Committee, farmers from Songmao Village and farmers from Malang Village. REF005: Dashan Stakeholder Mapping in 2020
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.	Dashan has developed a series of water-related incident response plans, including the Emergency Response Plan for Water Interruption (BCP8.9), the Emergency Response Plan for Contamination of Water Resources (BCP8.10), and the Emergency Response Plan for Water Pipeline Frozen (BCP8.11) in its Business Continuity Plan (YNDS-COP-SHE-019). REF006: BCP8.9- Emergency Response Plan for Water Interruption REF007: BCP8.10- Emergency Response Plan for Contamination of Water Resources REF008: BCP8.11- Emergency Response Plan for Water Pipeline Frozen REF009: YNDS-COP-SHE-019 Business Continuity Plan (BCP)
1.3.2	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.	A volumetric balance of water input and output called water mapping by Dashan is developed on a yearly basis. Dashan's water mapping consists of water map, mass balance and Pareto of water losses. We reviewed "Dashan-Watermapping-2020" during site visit. Dashan's analysis of water balance complies with the China national standard "The General Principles of Water Balance Test in Enterprises (GB/T12452-2008)". REF010: Dashan-Watermapping-2020
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.	Dashan has established a large database for water balance. The water level changes of the five boreholes, production water and non-productive water are quantified on a monthly basis. Since 2013, Dashan has started the analysis of annual variance in water level and water usage of the five boreholes. The analytical chart for the five boreholes from 1st January 2013 to 1st January 2021 were reviewed during site visit. Based on the analytical results, the groundwater level of the five boreholes is fairly static with very little variability.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF011: Monthly Statement of Borehole Operation and Water Usage in 2020 REF012: Monthly Statement of Borehole Operation and Water Usage in 2021 (from January to April) REF013: Analytical Chart of Water Level and Water Usage of the Five Boreholes from 1st January 2013 to 1st January 2021
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.	Dashan had developed its Quality Monitoring Scheme of Water Sources (YNDS-QMS-05), which specified that the testing of water sources was conducted on a weekly, monthly and yearly basis, and corresponding testing parameters were defined. The weekly and monthly testing water sources was conducted by Dashan's own laboratory and the yearly testing water sources was conducted by a qualified testing organization. During site visit, we randomly reviewed Dashan's self-testing report for water sources of four boreholes in May 2021, and yearly test report for water sources of five boreholes provided by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021. All test parameters fully complied with the national "Standards for Drinking Water Quality (GB5749-2006)" and "Quality Standard for Groundwater" (GB/T14848-2017)". Quality test for finished product is conducted by a qualified testing organization twice a year. We randomly reviewed the quality test report for 550ml bottled water and 18.9 l HOD water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021. All testing results fully complied with relevant national or local standards. Dashan has also developed a Quality Monitoring Scheme for Wastewater Effluent, which specified that wastewater treatment effluent was tested on a monthly basis and 13 testing parameters were defined. During site visit, we randomly reviewed the monitoring report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. respectively on 22 February 2021 and on 27 May 2021. All testing results fully complied with the level A of the first grade of Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002). In addition, Dashan has installed on-line monitoring devices at its wastewater treatment station to monitor TN, TP and COD. REF014: Test report for deep well water of ZK1 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF015: Test report for deep well water of ZK2 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF016: Test report for deep well water of ZK3 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF017: Test report for deep well water of ZK1bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF018: Test report for deep well water of ZK2bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF019: Testing report for 550 ml bottled water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021 REF020: Testing report for 18.9 l HOD water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021 REF021: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 22 February 2021 REF022: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 27 May 2021
1.3.5	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.	A name list of chemicals was prepared by Dashan. It contains the chemical name, MSDS, usage and user, specification, location, inventory, etc. Dashan has also developed an Emergency Plan for Chemical Leakage and Hazardous Waste (BCP8.2), which has been integrated in the Dashan's Business Continuity Plan (YNDS-COP-SHE-019 BCP). Furthermore, Dashan has mapped the identified potential sources of pollution. Therefore, the 04MINCAR raised during the second surveillance audit in the first certification cycle was closed out. REF023: Name List of Chemicals (including their MSDS, storage,etc) REF024: BCP8.2-Emergency Plan for Chemical Leakage and Hazardous Waste REF009: YNDS-COP-SHE-019 Business Continuity Plan (BCP) REF025: Map of Potential Sources of Pollution Identified

Indicator	Details (Core)	Evidence Reviewed/Document Reference
1.3.6	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.	Not applicable. There are no Important Water-Related Areas on the site.
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.	Based on the phone interview with financial staff, Dashan's annual cost analysis consists of the total revenue, costs of PM (packaging materials), RM (raw materials), Dep (depreciation), FFOH (factory fixed overhead) and Var (variable, related to the volume of production). Dashan has been implementing CRP (Community Relationship Plan) & WASH Action Plan for years.The review of records showed that Dashan has provided water-related strong supports for local schools and communities, including free bottled and barrelled water, drinking water testing for local communities, education of water health, subsidy for local farmers' irrigation, etc. On 21st May 2021, an earthquake of magnitude 6.4 occurred in Yangbi County of Dali Prefecture, Yunnan Province, Dashan immediately dispatched 3,400 packages of driking water to the the quake-striken area. REF026: Statistical Table of Sponsoring Local Communities and Schools in 2021 REF027: Donation for Quake-Striken Area at Yangbi County of Dali Prefecture, Yunnan Province REF028: Dashan CRP & WASH Action Plan
1.3.8	Levels of access and adequacy of WASH at the site shall be identified.	Dashan provides dormitories and canteen for all employees. Bathrooms and water dispensers are installed for all dormitories. Sanitation and hygiene installations and water dispensers are also installed at office buildings and all workplaces. Free barrelled drinking water is provided to all employees. In addition, a femal health room also used as mother-and-baby room has been set up at Dashan. To prevent the epidemic of COVID-19, hand sanitizers are also installed at wash basins. The WASH installations fully comply with the national "Hygienic Standards for the Design of Industrial Enterprises" (GBZ 1-2010). REF029: Statistics of WASH Installations
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.**	

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	Dashan provided a summary list of suppliers of raw materials and outsourced services within the site's catchment, and their indirect water use were presented in the list. Meanwhile, by using WWF's map of water risk filter, Dashan also analysed the water related risk level in the catchment where its suppliers and service providers are located. Dashan's main suppliers of raw materials are manufacturers of bottle preforms. The water use of manufacturing bottle preforms has been identified and quantified. We also reviewed the test report for wastewater generated from the suppliers of bottle preforms in 2020. All testing results fully complied with relevant national or local standards. REF030: Summary List of Suppliers of Raw Materials and Providers of Outsourced Service and Their Associated Water Risk REF031: Analysis of water risk level by using WWF Water Risk Filter REF032: Test Report for Wastewater Generated from Kunming Ke'en Drug Container Manufacturing Co. , Ltd. (one supplier of bottle preforms) prepared by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 30 March 2020 REF033: Test Report for Wastewater Generated from Kunming Futian Food Co. , Ltd. (another supplier of bottle preforms) prepared by Yunnan Huanpu Test Technology Co., Ltd. on 2 June 2020
1.4.2	The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.	A list of suppliers of raw materials and outsourced services within the site's catchment has been established by Dashan. Meanwhile, by using WWF's map of water risk filter, Dashan also analysed the water related risk level in the catchment where its suppliers and service providers are located. Dashan's main outsourced service is the washing of HOD container covers. The water use of washing HOD container covers has been identified and quantified. REF030: Summary List of Suppliers of Raw Materials and Providers of Outsourced Service and Their Associated Water Risk REF031: Analysis of water risk level by using WWF Water Risk Filter
1.5	**Gather water-related data for the catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH**	

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	An update List of Catchment Plans, Scenarios and Notifications is developed by Dashan in May 2021, and relevant articles of catchment plans, scenarios and notifications applicable to Dashan's water stewardship were identified. REF034: List of Catchment Plans, Scenarios and Notifications updated in May 2021 REF035: Relevant articles of catchment plans, scenarios and notifications applicable to Dashan's water stewardship updated in May 2021
1.5.2	Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.	Dashan had issued a Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003), which specified that the compliance assessment to laws and regulations is carried out once a year. If non-compliance or newly applicable laws/regulations happen, the assessment for relevant parts can be arranged according to the actual situation. An update list of national and local applicable laws, regulations and standards related to water and water use rights was developed by Dashan in May 2021. Dashan also identified relevant articles of national and local water-related laws, regulations and standards that are applicable to Dashan's water stewardship and performed the compliance assessment. We reviewed Dashan's compliance assessment report in 2020 during site visit, and no non-conformities were found. REF036: Dashan's Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003) REF037: List of national and local applicable laws, regulations and standards related to water and water use rights updated in May 2021 REF038: Relevant articles of national and local water-related laws, regulations and standards applicable to Dashan's water stewardship and their compliance assessment updated in May 2021
1.5.3	The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.	Dashan has paid great attention to the water balance of the catchment and respectively entrusted Golder Associates and Antea Group (France) conducted groundwater balance in the 2014 and 2016. The annual water withdrawal has never exceeded the permitted water-intaking defined by Kunming Water Authority. Based on Yunnan Water Resources Bulletin 2019 issued by Water Resources Department of Yunnan Province in September 2020, the water consumption of 16 cities/prefectures in

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		Yunnan Province including Kunming City did not exceed their total control target in 2019, and the regional water balance was well maintained. In addition, Dashan has established a real-time monitoring and flow regulation system for groundwater level (m) and groundwater flow rate (m^3/h). The correlation of rainfall data with groundwater flow rate and groundwater level has been also analysed unceasingly. The analytical charts for 5 boreholes from 1st January 2013 to 1st January 2021 were reviewed during site visit. Based on the analytical results, the groundwater levels of the 5 boreholes are fairly static with very little variability. In addition, the impact of rainfall on the groundwater level is not significant. REF003: Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016, Page 88, Section 8.2.3: Groundwater Balance REF004: Hydrogeological Survey Report for Dashan developed by Golder Associates in July 2014, Page 22-25, Section 5.2: Analysis of Water Balance REF039: Yunnan Water Resources Bulletin 2019 REF013: Analytical Chart of Water Level and Water Usage of the Five Boreholes from 1st January 2013 to 1st January 2021
1.5.4	Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.	The vulnerability assessment of groundwater was performed by Golder Associates in its Hydrogeological Survey Report for Dashan in July 2014. Potential risks of groundwater contamination within the main aquifer of Malang Songmao hydrogeological unit where Dashan is located were identified. The study also used a model to simulate a potential contamination of the groundwater through the discharge of domestic wastewater from Malang and Songmao villages and pesticides used on the farmlands located nearby the plant area. Dashan had developed its Quality Monitoring Scheme of Water Sources (YNDS-QMS-05). Weekly, monthly and annually testing parameters of water sources were defined. During site visit, we randomly reviewed Dashan's monitoring reports for water sources of the five boreholes prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021. All testing results fully complied with relevant national or local standards. REF014: Test report for deep well water of ZK1 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF015: Test report for deep well water of ZK2 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF016: Test report for deep well water of ZK3 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF017: Test report for deep well water of ZK1bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF018: Test report for deep well water of ZK2bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021
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.	The important water-related area is Yang Zonghai Lake. According to the latest "Master Plan of Kunming Yang Zonghai Lake Reserve (Urban and Rural Master Planning of Yang Zonghai Lake) (2018-2035)", the protection areas of Yang Zonghai Lake are classified in 3 levels: • Class I; • Class II; and • Class III. The Class I Protection Zone prohibits the construction of projects which is irrelevant to the lake protection. The Class II Protection Zone prohibits the construction of new wastewater discharge facilities or industrial projects. The Class III Protection Zone is a buffering area, prohibitting the activities which can potentially cause environmental pollution. Dashan is located 7km downstream from the Yang Zonghai Lake and in the Class III Protection Zone of Yang Zonghai Lake Reserve. Currently, the area where Dashan is located is defined as the "Demonstration Zone of Industrial Transformation". Based on the information mentioned above, Dashan has little influence on the Yang Zonghai Lake Reserve. REF040: Master Plan of Kunming Yang Zonghai Lake Reserve (Urban and Rural Master Planning of Yang Zonghai Lake) (2018-2035), Adminstrative Committee of Kunming Yang Zonghai Lake Scenic Area
1.5.6	Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.	Water-related infrastructure for the catchment was described in the Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016, including irrigation, water public supply, wastewate treatment, etc. Since the area where Dashan is located belongs to a remote rural region, municipal water supply system has not

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		been built yet, and the quality of drinking water becomes the main risk of local people. Thus, Dashan keeps close contact with local water authority to promote the establishment of municipal water supply system in Songmao Village and Malong Village and has commissioned a qualified testing institution to monitor the two villages' drinking water quality for years. REF003: Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016, the Section 7.2.2: Irrigation on page 72-73, the Section 7.3.1: Water Public Supply on page 74, and the Section 7.3.2: Wastewater Management on page 75. REF041: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Songmao Village REF042: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Malang Village
1.5.7	The adequacy of available WASH services within the catchment shall be identified.	Dashan has identified the adequacy of available WASH services within the catchment through the collection and analysis of Kuming Statistical Yearbooks and Yunnan Statistical Yearbooks. Based on the reviews of Kuming and Yunnan Statistical Yearbooks in 2019, the adequacy of available WASH services in Kunming, the capital of Yunnan Province is in a leading position. The statistical data in 2018 showed that: • Coverage of water supply: 98.81% • Disposal Rate of Muncipal Domestic Wastewater: 97.13% • Disposal Rate of Municipal Solid Wastes: 99.68% • Number of Public Toilets: 4,061 sets, equivalent to 1.83 sets/km^2, which is a little bit lower than the number of 3~5 sets/km^2 defined in the "Standard for Planning of Urban Environment Sanitation Facilities" (GB/T 50337-2018). • Number of Sanitation Trucks: 5.92 sets/ ten thousand people, which is much higher than the number of 2.5~5 sets/ ten thousand people defined in the "Standard for Planning of Urban Environment Sanitation Facilities" (GB/T 50337-2018). Considering that Dashan has identified the adequacy of available WASH services within the catchment, the 05MINCAR raised during the second surveillance audit in the first certification cycle was closed out.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF043: Kunming Statistical Yearbook 2019 REF044: Yunnan Statistical Yearbook 2019
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.	Dashan has identified general shared challenges in the catchment which had been communicated with local communities and government authorities. Meanwhile, according to the CRP2.0 report, water resource sustainability assessment report and the discussion of AWS team, Dashan prioritized the shared challenges which are elaborated in the Section 5 of this report. REF045: List of Shared Water Challenges in the Catchment
1.6.2	Initiatives to address shared water challenges shall be identified.	Initiatives to address shared water challenges have been also identified in the List of Shared Water Challenges in the Catchment. REF045: List of Shared Water Challenges in the Catchment
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.	Dashan has identified its water risks in 8 respects covering water governance, sustainable water balance and water quality. Based on risk analysis, Dashan has prioritized its water risks according to potential impact and likelihood within a given time. Meanwhile, corresponding response strategies to mitigate water risks are developed. REF046: Yunnan Dashan Factory Water Risk Profile
1.7.2	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.	Based on the analysis of water risks faced by the site, Dashan has also identified its water-related opportunities including potential saving/value creation, priority and strategy to realize opportunity. REF047: Dashan Factory Water-Related Opportunities
1.8	**Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.**	

Indicator	Details (Core)	Evidence Reviewed/Document Reference
1.8.1	Relevant catchment best practice for water governance shall be identified.	Dashan has identified relevant catchment best practice for water governance including: • A comprehensive water stewardship plan that is routinely reviewed and updated; • Designating responsibility for water stewardship to senior staff; • Training of all employees on the principles of water stewardship; and • Demonstrating its support for good water governance and stewardship with appropriate authorities. REF048: Identified Best Practice for Water Stewardship
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.	Dashan has identified relevant sector and/or catchment best practice for water balance including: • Undertake a detailed study on how water is used in the site and introduce water efficient technology into production process; • Train workers on how to improve efficiency in the work they do, and on basic daily activities, such as switching off taps; • Undertake detailed analysis of water balance; and • Install water efficient fittings, for example for toilets, wash rooms, equipment washing facilities, bath installations, etc. REF048: Identified Best Practice for Water Stewardship
1.8.3	Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.	Dashan has identified relevant sector and/or catchment best practice for water quality, especially match water quality to its intended purpose. Based on different uses, water is divided into the following categories: • Use for production purpose: Tap water, filtered water and RO water • Use for domestic purpose: Tap water • Use for other purpose: Reuse water for cooling, toilet flushing and greenbelt irrigation REF048: Identified Best Practice for Water Stewardship
1.8.4	Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.	Not applicable. There are no Important Water-Related Areas on the site.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
1.8.5	Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.	To ensure to provide adequate sanitation for all in the workplace, Dashan has adopted WSCSD self-assessment tool, a checklist of water, sanitation and hygiene reference points to conduct a corporate-wide survey and understand the water, sanitation and hygiene practices being implemented at each of the site's premises under direct control, as well as guiding principles for implementation. REF048: Identified Best Practice for Water Stewardship REF049: Dashan's WSCSD Self-assessment Tool
2	**COMMIT AND PLAN**	
2.1	**Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.**	
2.1.1	A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments: - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard.	A water stewardship commitment to follow all the AWS core criteria has been signed by Dashan's general manager and publicly disclosed on Dashan's WeChat Public Platform which is used for disclosing its AWS policies and performance, and the information disclosure bulletin board respectively installed at Dashan, Malang Village Committee and Songmao Village Committee. REF050: Dashan's Commitment to Water Stewardship
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	Dashan has developed a procedure for identification of laws, regulations and other requirements and compliance assessment (YNDS-COP-SHE-003), which specifies the responsible persons/departments to maintain compliance obligations for water and wastewater management and communicate with regulatory agencies. An update list of

Indicator	Details (Core)	Evidence Reviewed/Document Reference
	- Process for submissions to regulatory agencies.	national and local applicable laws, regulations and standards related to water and water use rights was prepared in May 2021, and the compliance assessment to the relevant articles of applicable laws, regulations and standards was conducted. REF036: Dashan's Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003) REF037: List of national and local applicable laws, regulations and standards related to water and water use rights updated in May 2021 REF038: Relevant articles of national and local water-related laws, regulations and standards applicable to Dashan's water stewardship and their compliance assessment updated in May 2021
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.	Based on the water-related challenges in the catchment, Dashan has developed its water stewardship strategy, which mainly focuses on four areas including the enhancement of Dashan's water stewardship level and capacity building, on-going communication with stakeholders in the catchment, improvement of water stewardship infrastructure in the catchment and active introduction of newly sustainable water sources, and corresponding responses are also made in it. REF051: Dashan Stewardship Strategy
2.3.2	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	Dashan has developed its "Water Stewardship Plan - Improvement Action List (Year 2021)", which specifies targets, required actions, measurement, cost and benefit, accountable and responsible persons, deadline, performance evaluation, etc. The water stewardship plan is corresponding to Dashan's water challenges and opportunities and covers the AWS outcomes of water governance, water balance and water quality. REF052: Water Stewardship Plan - Improvement Action List (Year 2021)

Indicator	Details (Core)	Evidence Reviewed/Document Reference
	- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.	
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.	Co-ordination with local relevant public-sector and infrastructure agencies, Dashan has developed a series of water-related incident response plans, covering the water interruption, the contamination of water resources and the water pipeline frozen. In addition, an on-line monitoring equipment has been installed at Dashan's wastewater treatment station. REF006: BCP8.9- Emergency Response Plan for Water Interruption REF007: BCP8.10- Emergency Response Plan for Contamination of Water Resources REF008: BCP8.11- Emergency Response Plan for Water Pipeline Frozen REF009: YNDS-COP-SHE-019 Business Continuity Plan (BCP)
3	**IMPLEMENT**	
3.1	**Implement plan to participate positively in catchment governance.**	
3.1.1	Evidence that the site has supported good catchment governance shall be identified.	Dashan keeps close contact with local water affairs authorities, and actively participates in the catchment governance organized by local government authorities. A contact list of local government authorities had been developed. Dashan maintains the records of communication with local government authorities including water-related departments. On the 50th World Environment Day (5th June 2021), Dashan actively participated in an event organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the topic of "Harmony Between Man and Nature". The purpose of the event is to protect the water quality of YangZongHai Lake. More than 150 people respectively coming from Kunming Ecology and Environment Bureau, Kunming Bureau of Agriculture and Rural Affairs, Administrative Committee of Kunming YangZongHai National Tourist Resort, local communities, environmental volunteers, students and enterprises were involved in the event. Dashan was awarded a honorary certificate issued by Kunming Ecology and Environment Bureau for its active participation in the promotion of ecological and environmental protection in the catchment during the event.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		In addition, Dashan has maintained the support of testing drinking water quality for Songmao Village and Malang Village and provided instructions in drinking water safety to local villagers for years. REF053: Contact List of Local Catchment Management Authorities REF054: Test Report for Drinking Water of Songmao Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020. REF055: Test Report for Drinking Water of Malang Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020 REF056: Recommendations to Songmao Village Committee for treating its non-compliance drinking water REF057: Recommendations to Malang Village Committee for treating its non-compliance drinking water REF041: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Songmao Village REF042: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Malang Village REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature" REF059: Honorary Certificate Issued by Kunming Ecology and Environment Bureau in June 2021 for Dashan's Active Participation in the Promotion of Ecological and Environmental Protection in the Catchment
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.	Dashan has identified the "Water Law of the People's Republic of China", which specifies that any entity and individual's water diversion, water interception, water impoundment and water discharge cannot damage the public interests and the legal rights of others. No violation of water rights of others has ever happened in Dashan based on the interviews with government officials from local village committees and people from local communities. In addition, the interviewees also confirmed that there are no indigenous peoples surrounding the site.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF036: Dashan's Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003) REF037: List of national and local applicable laws, regulations and standards related to water and water use rights updated in May 2021 REF038: Relevant articles of national and local water-related laws, regulations and standards applicable to Dashan's water stewardship and their compliance assessment updated in May 2021
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.	Dashan has developed a procedure for identification of laws, regulations and other requirements and compliance assessment (YNDS-COP-SHE-003), and an update list of national and local applicable laws, regulations and standards related to water and water use rights was prepared in May 2021. Meanwhile, the compliance assessment to the relevant articles of applicable laws, regulations and standards was conducted and no non-compliance was found. REF036: Dashan's Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003) REF037: List of national and local applicable laws, regulations and standards related to water and water use rights updated in May 2021 REF038: Relevant articles of national and local water-related laws, regulations and standards applicable to Dashan's water stewardship and their compliance assessment updated in May 2021
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.	Refer to the Criterion 3.1.2
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.	Dashan's yearly target set for the quantity of water intake for unit product in 2021 is 1.189m^3/t, which is lower than1.2m^3/t, a yearly target set by Dashan in 2020. Based on the review of Dashan's implementation of Water Stewardship Plan - Improvement Action List

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		(Year 2021) and the site water balance for the first four months of 2021, Dashan had successfully achieved its target, and the average quantity of water intake for unit product is 1.17m^3/t. The quantity of water intake for unit product in January, February, March and April 2021 is 1.19m^3/t, 1.19m^3/t, 1.15m^3/t and 1.15m^3/t respectively. The review of Dashan's implementation of Water Stewardship Plan - Improvement Action List (Year 2021) showed that another new action towards meeting site water balance had been successfully completed. In addition, Dashan actively carries out water stewardship and monitoring, and a procedure for water source control has been established. Its groundwater extraction has been far less than the permitted water withdrawal for many years. REF052: Water Stewardship Plan - Improvement Action List (Year 2021) REF012: Monthly Statement of Borehole Operation and Water Usage in 2021 (from January to April) REF060: YNDS-COP-QA-020 Procedure for Water Source Control
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.	Although the catchment where the site is located has never faced water scarcity, Dashan has been still setting up more stringent annual target and implemented a water saving project to increase its water use efficiency. Refer to the Criterion 3.3.1. REF052: Water Stewardship Plan - Improvement Action List (Year 2021)
3.3.3	Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.	Not applicable. No legally-binding documentation is issued by local government authorities to Dashan for the re-allocation of water to social, cultural or environmental needs.
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.	Dashan has developed well water, product water and wastewater monitoring program. The review of testing reports showed that the quality data meet the national or local standards. REF014: Test report for deep well water of ZK1 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF015: Test report for deep well water of ZK2 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF016: Test report for deep well water of ZK3 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF017: Test report for deep well water of ZK1bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF018: Test report for deep well water of ZK2bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF019: Testing report for 550 ml bottled water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021 REF020: Testing report for 18.9 l HOD water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021 REF021: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 22 February 2021 REF022: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 27 May 2021
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.	Although water quality is not a shared water challenge at the catchment where the site is located, Dashan has developed a "Procedure for Monitoring and Control of Wastewater Pollutants", which defines stricter discharge limits for its effluent, e.g. 90% of the permitted discharge levels specified in the level A of the first grade of Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002). The reviews of testing report for effluent in 2021 confirmed Dashan's compliance with stricter discharge limits than permitted national standards for its effluent. REF061: Procedure for Monitoring and Control of Wastewater Pollutants REF021: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 22 February 2021 REF022: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 27 May 2021
3.5	**Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.**	

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	Not applicable. There are no Important Water-Related Areas in the site. In addition, the site has little influence on the Important Water-Related Areas in the catchment.
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.	Dashan provides dormitories and canteen for all employees. Bathrooms and water dispensers are installed for all dormitories. Sanitation and hygiene installations and water dispensers are also installed at office buildings and all workplaces. Free barrelled drinking water is provided to all employees. In addition, a femal health room also used as mother-and-baby room has been set up at Dashan. To prevent the epidemic of COVID-19, hand sanitizers are also installed at wash basins. The review of Dashan's "Statistics of WASH Installations" showed that its WASH installations fully comply with the national "Hygienic Standards for the Design of Industrial Enterprises" (GBZ 1-2010). In addition, Dashan has adopted WSCSD self-assessment tool. The assessment results demonstrated that the site has provided adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite. The visit to employees' dormitories and workshops, as well as the interviews with employees further confirmed Dashan's compliance with this criterion. REF029: Statistics of WASH Installations REF048: Identified Best Practice for Water Stewardship REF049: Dashan's WSCSD self-assessment tool
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.	No evidence is showed that the site is impinging on the human right to safe water and sanitation of communities through their operations according to the interviews with Dashan's employees, local communities and local government authorities.
3.7	**Implement plan to maintain or improve indirect water use within the catchment.**	

Indicator	Details (Core)	Evidence Reviewed/Document Reference
3.7.1	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.	Dashan had established the list of product suppliers and water related service providers and analysed their water related risks. Dashan also helped its product suppliers and water related service providers in the development of water stewardship action plans. REF030: Summary List of Suppliers of Raw Materials and Providers of Outsourced Service and Their Associated Water Risk REF031: Analysis of water risk level by using WWF Water Risk Filter REF062: Water Stewardship Plan of Kunming Futian Food Co., Ltd. (a provider of bottle preforms) REF063: Water Stewardship Plan of Kunming Zijiang Packaging Co., Ltd. (another provider of bottle preforms) REF064: Water Stewardship Plan of Xuehui Xuehua Laundry (a service provider of washing HOD container covers)
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.	Based on the evaluation, because of the implementation of water stewardship action plans, one supplier saved water of 3,000m^3/a, and another utilized reuse water of 300m^3/a. REF065: Water Stewardship Plan of Kunming Futian Food Co., Ltd. (a provider of bottle preforms) REF066: Water Stewardship Plan of Kunming Zijiang Packaging Co., Ltd. (another provider of bottle preforms)
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.	Dashan keeps the records of communication with local government authorities including water-related departments. Dashan had installed a bulletin board respectively in Songmao Village Committee and Malang Village Committee. By using the bulletin board, Dashan disclosed shared water challenges in the catchment and its water stewardship plan. Furthermore, Dashan provides recommendations to Songmao Village Committee and Malang Village Committee for treating its non-compliance drinking water based on the test reports. REF067: Records of communication with local government authorities including water-related departments

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF054: Test Report for Drinking Water of Songmao Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020. REF055: Test Report for Drinking Water of Malang Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020 REF056: Recommendations to Songmao Village Committee for treating its non-compliance drinking water REF057: Recommendations to Malang Village Committee for treating its non-compliance drinking water
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.	Dashan has designated responsibility for water stewardship to top management (such as factory manager), developed and implemented a water stewardship plan which is reviewed and updated at least on a yearly basis. In addition, to promote water governance, Dashan has taken a series of actions, including: • Engaging villagers from Songmao Village and Malang Village and local public-sector agencies to share Dashan's water stewardship and address water-related challenges. • On International Children's Day 2021, Dashan organized a WET program to promote students' awareness of cherishing, saving and protecting water at Songmao Primary School and Malang Primary School. • On the 50th World Environment Day 2021, Dashan actively participated in an event organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the topic of "Harmony Between Man and Nature", and was awarded a honorary certificate issued by Kunming Ecology and Environment Bureau for its active participation in the promotion of ecological and environmental protection in the catchment. • Keeping support of testing drinking water quality of Songmao and Malang Villages, and providing recommendations to Songmao Village Committee and Malang Village Committee for treating its non-compliance drinking water. REF068: Dashan's Summary Report of Best Practice Related to Water Governance

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF069: Records of Organizing a WET Program to Promote Students' Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School and Malang Primary School REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature" REF059: Honorary Certificate Issued by Kunming Ecology and Environment Bureau in June 2021 for Dashan's Active Participation in the Promotion of Ecological and Environmental Protection in the Catchment REF054: Test Report for Drinking Water of Songmao Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020 REF055: Test Report for Drinking Water of Malang Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020 REF056: Recommendations to Songmao Village Committee for treating its non-compliance drinking water REF057: Recommendations to Malang Village Committee for treating its non-compliance drinking water
3.9.2	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.	Based on the review of Dashan's implementation of Water Stewardship Plan - Improvement Action List (Year 2021) and the site water balance in 2021, Dashan has undertaken a detailed study on how water is used in the site and introduce water efficient technology into production process. The renovation of barrel-washing process has been successfully completed in 2021. Dashan has also established a procedure for water source control, which elaborates the monitoring and control of water use. Meanwhile, an online water level monitor has been installed for each borehole and production line. The water level figuer can be displayed at each borehole room and production line simultaneously. If the water level approaches to the given warning level and water pump fails to stop automatically, operators at the production line can switch off water pump mannually.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		Because of its stringent water stewardship, Dashan's groundwater extraction has been far less than the permitted water withdrawal for many years, and the groundwater level of the five boreholes is fairly static with very little variability. In addition, water efficient fittings are installed for toilets, wash rooms, equipment washing facilities, bath installations, etc. Water saving marks are installed at visible places such as canteen, dormitories, wash rooms and toilets. REF052: Water Stewardship Plan - Improvement Action List (Year 2021) REF060: YNDS-COP-QA-020 Procedure for Water Source Control REF013: Analytical Chart of Water Level and Water Usage of the Five Boreholes from 1st January 2013 to 1st January 2021 REF070: Pictures of Water Efficient Fittings and Water Saving Marks
3.9.3	Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.	Water quality is classified in accordance with the different water use such as use for production purpose, use for domestic purpose and use for other purpose. Dashan periodically monitors all kinds of water, and the testing results fully comply with relevant national or local standards. In addition, on-line monitoring devices had been installed at Dashan's wastewater treatment station, and stricter discharge limits than permitted national standards for its effluent had been implemented by Dashan. REF014: Test report for deep well water of ZK1 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF015: Test report for deep well water of ZK2 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF016: Test report for deep well water of ZK3 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF017: Test report for deep well water of ZK1bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021 REF018: Test report for deep well water of ZK2bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF019: Testing report for 550 ml bottled water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021 REF020: Testing report for 18.9 l HOD water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021 REF061: Procedure for Monitoring and Control of Wastewater Pollutants REF021: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 22 February 2021 REF022: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 27 May 2021
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.	Not applicable. There are no Important Water-Related Areas on the site.
3.9.5	Actions towards achieving best practice related to targets in terms of WASH shall be implemented.	Dashan has adopted WSCSD self-assessment tool. The assessment results demonstrated that the site has provided adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite. REF049: Dashan's WSCSD Self-assessment Tool
4	**EVALUATE**	
4.1	**Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.**	
4.1.1	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.	Based on Dashan's Water Stewardship Plan - Improvement Action List (Year 2021), a total of 8 actions will be taken to achieve water stewardship outcomes related to water balance, water quality, water governance and WASH. The implementation schedule has defined for each action. Currently, Dashan has successfully completed 6 actions specified in the water stewardship plan, especially the renovation of barrel-washing process related to water balance, which can greatly reduce the consumption of fresh water and a benefit of 130,000 RMB can be achieved per year. REF052: Water Stewardship Plan - Improvement Action List (Year 2021)

Indicator	Details (Core)	Evidence Reviewed/Document Reference
4.1.2	Value creation resulting from the water stewardship plan shall be evaluated.	Dashan analysed its costs and value creation resulting from the implementation of water stewardship plan. Through the implementation of renovation of barrel-washing process related to water balance, Dashan can achieve benefit of 130,000 RMB per year. Through the organization of a WET program on International Children's Day 2021, a total of 582 people including 532 students and 50 faculty at Songmao Primary School and Malang Primary School were involved and their awareness of cherishing, saving and protecting water was greatly raised. In addition, Dashan's provision of barrelled water to local villagers at half price also wins their high praise. The interviews with local villagers further confirmed the above information. REF052: Water Stewardship Plan - Improvement Action List (Year 2021) REF069: Records of Organizing a WET Program to Promote Students' Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School and Malang Primary School
4.1.3	The shared value benefits in the catchment shall be identified and where applicable, quantified.	Dashan shared AWS and addressed water-related challenges through the participation in an event organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the topic of "Harmony Between Man and Nature" on the 50th World Environment Day. More than 150 people respectively coming from Kunming Ecology and Environment Bureau, Kunming Bureau of Agriculture and Rural Affairs, Administrative Committee of Kunming YangZongHai National Tourist Resort, local communities, environmental volunteers, students and enterprises were involved in the event. Tthe purpose of the event is to protect the water quality of YangZongHai Lake, which has been improved from poor V class water quality in 2008 to current class III water quality. In addition, Dashan has kept testing drinking water quality of Songmao and Malang Villages, and providing recommendations to Songmao Village Committee and Malang Village Committee for treating its non-compliance drinking water for many years. What Dashan does can effectively improve local people's drinking water quality and their health. REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature"

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF054: Test Report for Drinking Water of Songmao Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020. REF055: Test Report for Drinking Water of Malang Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020 REF056: Recommendations to Songmao Village Committee for treating its non-compliance drinking water REF057: Recommendations to Malang Village Committee for treating its non-compliance drinking water REF041: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Songmao Village REF042: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Malang Village
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.	Not applicable. No water-related emergencies and extreme events occurred at the site in recent years.
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.	Dashan has implemented CRP 2.0 for many years. The communication meeting with Songmao Village Committee and Malang Village Committee is held on a quarterly basis. Dashan introduces shared water challenges in the catchment and its water stewardship plan during the communication meeting. The first-quarter and second-quarter meeting records were reviewed during site visit. Based on Dashan's stakeholder consultation plan, a comprehensive stakeholder consultation regarding the site's water stewardship performance is scheduled on a yearly basis and normally arranged in the following January. During the re-assessment, the comprehensive

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		stakeholder consultation in 2021 has not been conducted, and it has been scheduled in January 2022. Thus, the 01OBS was raised. REF071: First-Quarter Meeting Records Between Dashan and Songmao Village Committee REF072: Second-Quarter Meeting Records Between Dashan and Songmao Village Committee REF073: First-Quarter Meeting Records Between Dashan and Malang Village Committee REF074: Second-Quarter Meeting Records Between Dashan and Malang Village Committee REF075: Stakeholder Consultation Records in 2020
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.	Based on the feedback information from communication with local stakeholders, Dashan has always incorporated any relevant information into its water stewardship plan. For example, according to the stakeholder consultation results in 2020, the stakeholders' main concern is Dashan's management of water resources. Dashan has incorporated the management of water resources and the promotion of water resources protection into its CRP 2.0 and water stewardship plan in 2021 including strict monitoring and control of groundwater extraction and water level, continuous organization of WET education program at local primary schools and coomunities, and organization of environmental protection events on the World Water Day or World Environment Day. In addition, during the re-assessment, some interviewees mentioned their concerns about the potential risk of land subsidence caused by over-pumping of groundwate. Dashan has incorporated the conducting of geological safety evaluation into its water stewardship plan in 2021. REF075: Stakeholder Consultation Records in 2020 REF052: Water Stewardship Plan - Improvement Action List (Year 2021)
5	**COMMUNICATE & DISCLOSE**	
5.1	**Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.**	

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	Besides the disclosure of its water-related governance and contact information through Dashan's WeChat Public Platform, the most popular channel for an enterprise to disclose its information in China now, Dashan also discloses its relevant information on the bulletin board respectively installed at the site, the Songmao Village Committee and the Malang Village Committee. In addition, Dashan has issued a "Procedure for Identification of Laws, Regulations and Other Requirements and Compliance Assessment" (YNDS-COP-SHE-003), which specifies all departments' responsibilities of collection, registration and management of laws and other requirements. REF076: Dashan's WeChat Public Platform REF077: Bulletin board installed at Songmao Village Committee REF078: Bulletin board installed at Malang Village Committee REF079: Bulletin board installed at Employees' Canteen of Dashan REF036: Dashan's Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003)
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.	Dashan communicates its water stewardship plan with stakeholders through many ways, including: • Communicating with local government authorities and communities through the implementation of CRP2.0; • Communicating with stakeholders through Dashan's WeChat Public Platform; • Bulletin board respectively installed at the site, the Songmao Village Committee and the Malang Village Committee; and • Public events organized on the World Water Day and the World Environment Day; and • WET program for local schools and communities. REF080: Dashan CRP2.0 Report in 2020 REF076: Dashan's WeChat Public Platform

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF077: Bulletin board installed at Songmao Village Committee REF078: Bulletin board installed at Malang Village Committee REF079: Bulletin board installed at Employees' Canteen of Dashan REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature" REF069: Records of Organizing a WET Program to Promote Students' Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School and Malang Primary School
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.	Dashan discloses a summary of its water stewardship performance, including quantified performance against targets through issuing of CRP2.0 implementation report and Dashan's WeChat Public Platform on a yearly basis. During site visit, we reviewed the summary of Dashan's water stewardship performance in 2020. Since Dashan has not summarized its water stewardship performance in 2021, which will be summarized and disclosed in January 2022 according to Dashan's water stewardship plan , the 02OBS was raised. REF080: Dashan CRP2.0 Report in 2020 REF076: Dashan's WeChat Public Platform
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.	Dashan has disclosed its shared water-related challenges and efforts made to address these challenges through Dashan's WeChat Public Platform, CRP2.0 implementation report, bulletin board respectively installed at the site, the Songmao Village Committee and the Malang Village Committee, and the events held on the World Environment Day. REF076: Dashan's WeChat Public Platform REF080: Dashan CRP2.0 Report in 2020

Indicator	Details (Core)	Evidence Reviewed/Document Reference
		REF077: Bulletin board installed at Songmao Village Committee REF078: Bulletin board installed at Malang Village Committee REF079: Bulletin board installed at Employees' Canteen of Dashan REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature"
5.4.2	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	Dashan has implemented CRP2.0 program for many years, and the communication meeting with Songmao Village Committee and Malang Village Committee is held on a quarterly basis In addition, Dashan actively participated in an event organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the topic of "Harmony Between Man and Nature" on the World Environment Day 2021. Dashan introduced shared water challenges in the catchment and its efforts made to address these challenges during the communication meeting and the event. REF071: First-Quarter Meeting Records Between Dashan and Songmao Village Committee REF072: Second-Quarter Meeting Records Between Dashan and Songmao Village Committee REF073: First-Quarter Meeting Records Between Dashan and Malang Village Committee REF074: Second-Quarter Meeting Records Between Dashan and Malang Village REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature"
5.5	**Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.**	
5.5.1	Any site water-related compliance violations and associated corrections shall be disclosed.	No water-related compliance violations occurred at the site to date. The interviews with officials from local village committees and local villagers also confirmed Dashan's compliance with national and local water related regulations.
5.5.2	Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	Refer to the Criterion 5.5.1. No water-related compliance violations occurred at the site to date.

Indicator	Details (Core)	Evidence Reviewed/Document Reference
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.	Refer to the Criterion 5.5.1. No water-related compliance violations occurred at the site to date.

6.2 ADVANCED-LEVEL AWS INDICATORS

SGS also conducted a benchmarking exercise for Dashan's performance against the AWS Advanced-Level Criteria. The evaluation results are presented in the following Table 6.2.

Table 6.2 Evidence Reviewed by SGS Against Advanced-Level AWS Criteria

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
1	**GATHER AND UNDERSTAND**		
1.4.3	The embedded water use of primary inputs in catchment(s) of origin shall be quantified. (7 points)	Dashan has identified embedded water use of primary inputs in catchment of origin including product suppliers and outsourced services and analysed the intensity of water consumption and water pollution based on their water quantity and quality. Meanwhile, by using WWF's map of water risk filter, Dashan has also analysed the water related risk level in the catchment where its suppliers and outsourced service providers are located. Taking the water use of its suppliers of bottle preforms as an example, Dashan compared the water use of its suppliers of bottle preforms with the Water Quota of Yunnan Province (DB53/T168-2013) issued by Yunnan Provincial Bureau of Quality and Technical Supervision in 2013. Based on the DB53/T168-2013, the water quota for the production of 1t plastic products (bottles, barrels) is 8 m^3/t. Currently, Dashan has two suppliers of bottle preforms, the water use of one supplier is 5.8 m^3/t	7

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
		which is far lower than the required water quota (8 m^3/t), and another is 8.7 m^3/t which is little higher than the required water quota (8 m^3/t). REF030: Summary List of Suppliers of Raw Materials and Providers of Outsourced Service and Their Associated Water Risk REF031: Analysis of water risk level by using WWF Water Risk Filter	
1.5.8	Efforts by the site to support and undertake catchment level water-related data collection shall be identified. (4-7 points)	There are two communities, Songmao Village and Malang Village in the area where Dashan is located. Based on the interviews with officials from Songmao and Malang Village Committees, groundwater is used by both villages as their drinking water, and tap water supply system has been built at the two villages. Although simple facilities had been installed for the treatment of drinking water, it is unknown whether the drinking water quality can comply with the national standards for drinking water quality because of no testing data available. Dashan entrusts Yunnan Institute of Product Quality Supervision and Inspection, an accredited laboratory to conduct a test of drinking water quality of Songmao Village and Malang Village on a yearly basis. Based on the testing results in 2020, the total bacterial count of drinking water used by both Songmao Village and Malang Village exceeded its regulatory standard. Besides providing the testing reports to Songmao and Malang Village Committees, Dashan also recommends the measures to control the total bacterial count of drinking water. During the re-assessment, we reviewed the contracts signed between Dashan and Yunnan Product Quality Supervision and Inspection Institute regarding the test of drinking water quality of Songmao Village and Malang Village in 2021. REF054: Test Report for Drinking Water of Songmao Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020. REF055: Test Report for Drinking Water of Malang Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020 REF056: Recommendations to Songmao Village Committee for treating its non-compliance drinking water REF057: Recommendations to Malang Village Committee for treating its non-compliance drinking water REF041: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Songmao Village	6

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
		REF042: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Malang Village	
1.6.4	Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water. (4 points)	Dashan has been implementing CRP 2.0 program for many years. The CPR program evaluates Dashan's potential social impacts, especially the water-related impacts and relevant mitigation measures have been brought into Dashan's water stewardship plan. REF080: Dashan CRP2.0 Report in 2020 REF052: Water Stewardship Plan - Improvement Action List (Year 2021)	4
2	**COMMIT AND PLAN**		
2.1.2	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. (1 point)	A water stewardship commitment that explicitly covers all requirements set out in Indicator 2.1.1 has been signed by Dashan Plant Manager. The commitment has been disclosed on Dashan's WeChat Public Platform which is used for disclosing its AWS policies and performance, and the bulletin board respectively installed at the site, the Songmao Village Committee and the Malang Village Committee. REF050: Dashan's Commitment to Water Stewardship REF076: Dashan's WeChat Public Platform REF077: Bulletin board installed at Songmao Village Committee REF078: Bulletin board installed at Malang Village Committee REF079: Bulletin board installed at Employees' Canteen of Dashan	1
2.3.5	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. (7 points)	One target of Dashan's water stewardship plan is to organize a WET program aiming at promoting local students' awareness of cherishing, saving and protecting water resources. The program was held on 1st June 2021, the International Children's Day. A total of 582 people including 532 students and 50 faculty at Songmao Primary School and Malang Primary School were involved in the WET program. During the program, Dashan introduced its water stewardship plan. All participants gave high praise to the progam and confirmed that the program greatly promoted their awareness of protecting water resources. In addition, based on the interviews with officials and villagers from Songmao Village and Malang Village during the re-assessment, all interviewees spoke highly of Dashan's contributions to the promotion of local people's awareness of saving water, especially the water saving education to local primary school students. Dashan was also awarded a honorary certificate issued by Kunming Ecology	7

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
		and Environment Bureau for its active participation in the promotion of ecological and environmental protection in the catchment on 5th June 2021. REF052: Water Stewardship Plan - Improvement Action List (Year 2021) REF069: Records of Organizing a WET Program to Promote Students' Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School and Malang Primary School REF059: Honorary Certificate Issued by Kunming Ecology and Environment Bureau in June 2021 for Dashan's Active Participation in the Promotion of Ecological and Environmental Protection in the Catchment	
3	**IMPLEMENT**		
3.1.3	Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified. (2 points)	Dashan has made great improvements in water governance capacity since the implementation of AWS certification, including: • Designate responsibilities of each department regarding water stewardship, especially the responsibilities of top management; • Encourage employees to provide practicable suggestions for saving water; • Post up water-saving signs and slogans at visible places including office area, workplace, canteen, dormitories, etc.; and • Evaluate and update the site's water stewardship plan at least on a yearly basis. REF081: Organization Chart of Dashan Factory AWS Team REF082: Dashan's Management Review Report in 2020	2
3.1.4	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. (2 points)	Dashan's contributing to the good water governance of the catchment has obtained consensus among many stakeholders. It was awarded a Water-Saving Enterprise issued by the People's Government of Kunming Municipality as early as 2016. Because of Dashan's best practice in water governance, it was commissioned by Yunnan Provincial Administration of Quality and Technology Supervision to participate in the development of "Bottled (Barrelled) Drinking Natural Spring Water (Spring Water) Standard (DB53/118-2009, updated in 2015)", which is a local mandatory standard and adopted in Yunnan Province. Dashan is the key drafting body of this local standard.	2

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
		In addition, Dashan receives many visitors to study its water stewardship every year, and a detailed record of received visitors is kept by Dashan. REF083: Plaque of Water-Saving Enterprise issued by the People's Government of Kunming Municipality in 2016 REF084: Bottled (Barrelled) Drinking Natural Spring Water (Spring Water) Standard (DB53/118-2009, updated in 2015) REF085: Record of Received Visitors	
3.6.3	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. (5 points)	Dashan has taken series of actions to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness, including: • Provision to all employees of access to safe drinking water, adequate sanitation and hygiene awareness, and adoption of WSCSD self-assessment tool; • Provision of barrelled water and bottled water to local communities, primary schools and kindergartens for free every year; • Establishment of sales shop respectively at Songmao Village and Malang Village to provide barrelled water at a half-price to local villagers; and • Donation of 3,400 packages of driking water to Yangbi County of Dali Prefecture, Yunnan Province, where an earthquake of magnitude 6.4 occurred on 21st May 2021. REF049: Dashan's WSCSD Self-assessment Tool REF026: Statistical Table of Sponsoring Local Communities and Schools in 2021 REF086: Sales of HOD Water at Sales Shop Respectively Installed at Songmao Village and Malang Village in 2021 REF027: Donation for Quake-Striken Area at Yangbi County of Dali Prefecture, Yunnan Province	5
3.9.6	Achievement of identified best practice related to targets in terms of good water governance shall be quantified. (8 points)	Dashan's achievements of best practice related to good water governance include: • Establishment of AWS management team, which specifies the responsibilities of each department, especially the plant manager and his responsibilities and the process for AWS management; • Evaluation and update of the site's water stewardship plan at least on a yearly basis;	8

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
		• Organization of a WET program with a total of 582 people including 532 students and 50 faculty from Songmao Primary School and Malang Primary School were involved on 1st June 2021 to promote local students' awareness of cherishing, saving and protecting water resources; and • Active participation of an event organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the topic of "Harmony Between Man and Nature" on 5th June 2021, with the involvement of more than 150 people respectively coming from Kunming Ecology and Environment Bureau, Kunming Bureau of Agriculture and Rural Affairs, Administrative Committee of Kunming YangZongHai National Tourist Resort, local communities, environmental volunteers, students and enterprises. REF081: Organization Chart of Dashan Factory AWS Team REF082: Dashan's Management Review Report in 2020 REF069: Records of Organizing a WET Program to Promote Students' Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School and Malang Primary School REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of "Harmony Between Man and Nature"	
3.9.7	Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified. (8 points)	According to the national Norm of Water Intake for Beverage Processing (QB/T 2931-2008), the quantity of water intake for unit product is defined as three levels. The first level represents the advanced international level, the second level represents advanced domestic level, and the third level means the average domestic level. For drinking water production, the three levels defined in the national Norm are 1.6m^3/t, 1.8m^3/t and 2m^3/t respectively. Based on Dashan's records of water use over the years, the quantity of water intake for unit product successfully achieved 1.2m^3/t in 2014, a target set by Dashan according to the analysis of its reality. To further improve water efficiency and reduce fresh water consumption, Dashan established a more ambitious annual target regarding the quantity of water intake for unit product in 2021, e.g. 1.189m^3/t, which is quite lower than 1.6 m^3/t, the first level defined in the national Norm (QB/T 2931-2008). The review of Dashan's water balance for the first four months of 2021 showed that Dashan had successfully achieved its target, and the average quantity of water intake for unit product is 1.17m^3/t, which is lower than 1.189m^3/t, the target set	8

<table>
<tr><th>Indicator</th><th>Details (Advanced-Level)</th><th>Evidence Reviewed/Document Reference</th><th>Score</th></tr>
<tr><td></td><td></td><td>in 2021. The quantity of water intake for unit product in January, February, March and April 2021 is 1.19m³/t, 1.19m³/t, 1.15m³/t and 1.15m³/t respectively.
The information mentioned above demonstrates Dashan's good water stewardship and sustainable water balance.
REF012: Monthly Statement of Borehole Operation and Water Usage in 2021 (from January to April)</td><td></td></tr>
<tr><td>3.9.8</td><td></td><td>Dashan has developed a "Procedure for Monitoring and Control of Wastewater Pollutants", which defines internally stricter discharge limits for its effluent, e.g. 90% of the permitted discharge levels specified in the "Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)".
The reviews of testing reports prepared by a qualified third party in 2021 showed that Dashan's effluent fully complied with its internally defined discharge limits, and was far lower than the level A of the first grade of Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002). The testing results of main water pollutants are as follows:
<table>
<tr><th>Pollutant</th><th>Testing result</th><th>Discharge standard</th><th>Dashan's discharge limit</th></tr>
<tr><td>COD</td><td>10-13 mg/l</td><td>50 mg/l</td><td>45 mg/l</td></tr>
<tr><td>BOD_5</td><td>2.5-4.0 mg/l</td><td>10 mg/l</td><td>9 mg/l</td></tr>
<tr><td>SS</td><td>4-8 mg/l</td><td>10 mg/l</td><td>9 mg/l</td></tr>
<tr><td>TN</td><td>7.18-10.4 mg/L</td><td>15 mg/L</td><td>13.5 mg/L</td></tr>
<tr><td>TP</td><td>0.02-0.14 mg/l</td><td>0.5 mg/l</td><td>0.45 mg/l</td></tr>
</table>
In addition, on-line monitoring devices had been installed at Dashan's wastewater treatment station to monitor TN, TP and COD.
REF061: Procedure for Monitoring and Control of Wastewater Pollutants
REF021: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 22 February 2021
REF022: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 27 May 2021</td><td>8</td></tr>
</table>

Indicator	Details (Advanced-Level)	Evidence Reviewed/Document Reference	Score
3.9.10	Achievement of identified best practice related to targets in terms of WASH shall be quantified. (4 points)	The review of Dashan's statistics of WASH installations showed that they fully comply with the national "Hygienic Standards for the Design of Industrial Enterprises" (GBZ 1-2010). In addition, Dashan has adopted the WSCSD self-assessment tool. The assessment results demonstrate that the site has provided adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite. The interview with employees, the document and record review and the site observation demonstrated Dashan's compliance with this criterion. REF029: Statistics of WASH Installations REF049: Dashan's WSCSD self-assessment tool	4
Total			**62**

Based on the re-assessment of Dashan's water stewardship performance against the AWS advanced indicators (Version 2.0), the total of Dashan's cumulative advanced indicators scores is 62, which is up to the AWS Gold level.

7 AUDIT FINDINGS

7.1 AUDIT FINDINGS IN PREVIOUS AUDIT

Two minor non-conformities were raised during the re-evaluation process on 26th-27th October 2020. It was considered partially meeting the AWS Core criterion requirement, and some small adjustments were requested to make to the documentation in order to be considered fully compliant. Based on this re-assessment, Dashan had taken corrective actions for the two minor non-conformities and all corrective evidences were available. The document review showed that Dashan's corrective evidences were effective. Therefore, the two minor non-conformities were closed out. The following table 7.1 shows the details of the minor non-conformity and Dashan's corrective evidences.

Table 7.1 Minor Non-Conformities Raised during the AWS Re-evaluation Process and Dashan's Corrective Evidences

No.	Type	Ref.	Details	Close-out Evidence	Relevant References
1	Minor Non-Conformance	04MINCAR	Indicator 1.3.5: Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site. A name list of chemicals was prepared by Dashan. It contains the chemical name, MSDS, usage and user, specification, location, inventory, etc. However, Dashan had not mapped the identified potential sources of pollution.	Dashan has identified and mapped the potential sources of pollution including chemicals used or stored on site, hazardous waste storage, wastewater treatment station, outlet of wastewater discharge, outlet of rainwater discharge, etc.	REF025: Map of Potential Sources of Pollution Identified
2	Minor Non-Conformance	05MINCAR	Indicator 1.5.7: The adequacy of available WASH services within the catchment shall be identified. Dashan failed to identify the adequacy of available WASH services within the catchment.	Dashan has identified the adequacy of available WASH services within the catchment through the collection and analysis of Kuming Statistical Yearbooks and Yunnan Statistical Yearbooks. Based on the reviews of Kuming and Yunnan Statistical Yearbooks in 2019, the adequacy of available WASH services in Kunming, the capital of Yunnan Province is in a leading position.	REF043: Kunming Statistical Yearbook 2019 REF044: Yunnan Statistical Yearbook 2019

7.2 AUDIT FINDINGS IN THIS RE-ASSESSMENT

Two observations were raised during the re-assessment process. It was considered that Dashan has an opportunity for improvement to meeting the AWS Core criterion requirement. The following table 7.2 shows the details of the two observations.

Table 7.2 Observations Raised during the AWS Re-assessment

No.	Type	Ref.	Details	Response by Dashan
1	Observation	01OBS	Indicator 4.3.1: Consultation efforts with stakeholders on the site's water stewardship performance shall be identified. Dashan's stakeholder consultation regarding its water stewardship performance in 2021 has not been conducted, and has been scheduled in January 2022.	Based on Dashan's stakeholder consultation plan, a comprehensive stakeholder consultation regarding its water stewardship performance is scheduled on a yearly basis and normally arranged in the following January.
2	Observation	02OBS	Indicator 5.3.1: A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum. The summary and disclosure of Dashan's water stewardship performance in 2021 has not been conducted, and has been scheduled in January 2022.	Based on Dashan's water stewardship plan, a summary of the site's water stewardship performance in 2021 will be summarized and disclosed in January 2022.

8 SUMMARY

Although it has been fully acquired by Tsingtao Beer Purefamily, Dashan has no changes to its management systems including water stewardship. Based on the review of documents presented by Dashan, the interview with local stakeholders, Dashan's managers and employees, and the site reconnaissance, Dashan is still paying close attention to strengthening its water stewardship. The two minor non-conformities raised during the re-evaluation process on 26th-27th October 2020 was cleared and closed. In addition, a considerable quantity of effort and work has been put into the preparation for the re-assessment.

Two observations were raised during the re-assessment process. It was considered that Dashan has an opportunity for improvement to meeting the AWS Core criterion requirement. SGS will check Dashan's improvement actions taken for the two observations during the surveillance audit.

Based on the re-assessment of Dashan's water stewardship performance against the AWS International Stewardship Standard Version 2.0, the total of Dashan's cumulative advanced indicators scores is 62, which is up to the AWS Gold level.

9 OPPORTUNITIES FOR IMPROVEMENT

This is the re-assessment for Dashan against the AWS Standard, and more attention is paid to the evaluation of Dashan's performance against the AWS Standard indicators and how this is monitored and presented as compliance. In addition, stakeholder consultation is another key focus of the re-assessment. SGS recommends that Dashan maintain its communication with relevant stakeholders in a transparency way, and keep the monitoring of its performance against the AWS Standard indicators. In addition, Dashan may further strengthen its management of indirect water use. Finally, Dashan should well keep all relevant records in anticipation of future audits.

10 CONCLUSIONS AND RECOMMANDATIONS

Given the review of evidence presented and the site reconnaissance performed at Dashan, SGS recommends that Dashan be awarded the AWS Gold Certified status with a surveillance audit interval of annual frequency.

11 REFERENCES

REF001: Dashan Site Layout Map

REF002: Dashan General Drawing of Site Piping Network for Rain Water and Sewage

REF003: Water Resource Sustainability Assessment for Dashan developed by Antea Group (France) in July 2016

REF004: Hydrogeological Survey Report for Dashan developed by Golder Associates in July 2014

REF005: Dashan Stakeholder Mapping in 2020

REF006: BCP8.9- Emergency Response Plan for Water Interruption

REF007: BCP8.10- Emergency Response Plan for Contamination of Water Resources

REF008: BCP8.11- Emergency Response Plan for Water Pipeline Frozen

REF009: YNDS-COP-SHE-019 Business Continuity Plan (BCP)

REF010: Dashan-Watermapping-2020

REF011: Monthly Statement of Borehole Operation and Water Usage in 2020

REF012: Monthly Statement of Borehole Operation and Water Usage in 2021 (from January to April)

REF013: Analytical Chart of Water Level and Water Usage of the Five Boreholes from 1st January 2013 to 1st January 2021

REF014: Test report for deep well water of ZK1 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

REF015: Test report for deep well water of ZK2 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

REF016: Test report for deep well water of ZK3 provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

REF017: Test report for deep well water of ZK1bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

REF018: Test report for deep well water of ZK2bis provide by Yunnan Institute of Product Quality Supervision & Inspection on 13 May 2021

REF019: Testing report for 550 ml bottled water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021

REF020: Testing report for 18.9 l HOD water prepared by Yunnan Product Quality Supervision and Inspection Institute on 12 March 2021

REF021: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 22 February 2021

REF022: Testing report for effluent performed by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 27 May 2021

REF023: Name List of Chemicals (including their MSDS, storage,etc)

REF024: BCP8.2-Emergency Plan for Chemical Leakage and Hazardous Waste

REF025: Map of Potential Sources of Pollution Identified

REF026: Statistical Table of Sponsoring Local Communities and Schools in 2021

REF027: Donation for Quake-Striken Area at Yangbi County of Dali Prefecture, Yunnan Province

REF028: Dashan CRP & WASH Action Plan

REF029: Statistics of WASH Installations

REF030: Summary List of Suppliers of Raw Materials and Providers of Outsourced Service and Their Associated Water Risk

REF031: Analysis of water risk level by using WWF Water Risk Filter

REF032: Test Report for Wastewater Generated from Kunming Ke'en Drug Container Manufacturing Co. , Ltd. (one supplier of bottle preforms) prepared by Yunnan Chenqing Environmental Monitoring Co., Ltd. on 30 March 2020

REF033: Test Report for Wastewater Generated from Kunming Futian Food Co. , Ltd. (another supplier of bottle preforms) prepared by Yunnan Huanpu Test Technology Co., Ltd. on 2 June 2020

REF034: List of Catchment Plans, Scenarios and Notifications updated in May 2021

REF035: Relevant articles of catchment plans, scenarios and notifications applicable to Dashan's water stewardship updated in May 2021

REF036: Dashan's Procedure for Identification of Applicable Laws, Regulations and Other Requirements and Compliance Assessment (YNDS-COP-SHE-003)

REF037: List of national and local applicable laws, regulations and standards related to water and water use rights updated in May 2021

REF038: Relevant articles of national and local water-related laws, regulations and standards applicable to Dashan's water stewardship and their compliance assessment updated in May 2021

REF039: Yunnan Water Resources Bulletin 2019

REF040: Master Plan of Kunming Yang Zonghai Lake Reserve (Urban and Rural Master Planning of Yang Zonghai Lake) (2018-2035), Adminstrative Committee of Kunming Yang Zonghai Lake Scenic Area

REF041: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Songmao Village

REF042: Contract Signed with Yunnan Product Quality Supervision and Inspection Institute on 18 June 2021 Regarding the Test of Drinking Water Quality of Malang Village

REF043: Kunming Statistical Yearbook 2019

REF044: Yunnan Statistical Yearbook 2019

REF045: List of Shared Water Challenges in the Catchment

REF046: Yunnan Dashan Factory Water Risk Profile

REF047: Dashan Factory Water-Related Opportunities

REF048: Identified Best Practice for Water Stewardship

REF049: Dashan's WSCSD Self-assessment Tool

REF050: Dashan's Commitment to Water Stewardship

REF051: Dashan Stewardship Strategy

REF052: Water Stewardship Plan - Improvement Action List (Year 2021)

REF053: Contact List of Local Catchment Management Authorities

REF054: Test Report for Drinking Water of Songmao Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020.

REF055: Test Report for Drinking Water of Malang Village Prepared by Yunnan Institute of Product Quality Supervision and Inspection on 3 July 2020

REF056: Recommendations to Songmao Village Committee for treating its non-compliance drinking water

REF057: Recommendations to Malang Village Committee for treating its non-compliance drinking water

REF058: Records of Participating in the Event Organized by the Administrative Committee of Kunming YangZongHai National Tourist Resort with the Topic of “Harmony Between Man and Nature”

REF059: Honorary Certificate Issued by Kunming Ecology and Environment Bureau in June 2021 for Dashan’s Active Participation in the Promotion of Ecological and Environmental Protection in the Catchment

REF060: YNDS-COP-QA-020 Procedure for Water Source Control

REF061: Procedure for Monitoring and Control of Wastewater Pollutants

REF062: Water Stewardship Plan of Kunming Futian Food Co., Ltd. (a provider of bottle preforms)

REF063: Water Stewardship Plan of Kunming Zijiang Packaging Co., Ltd. (another provider of bottle preforms)

REF064: Water Stewardship Plan of Xuehui Xuehua Laundry (a service provider of washing HOD container covers)

REF065: Water Stewardship Plan of Kunming Futian Food Co., Ltd. (a provider of bottle preforms)

REF066: Water Stewardship Plan of Kunming Zijiang Packaging Co., Ltd. (another provider of bottle preforms)

REF067: Records of communication with local government authorities including water-related departments

REF068: Dashan’s Summary Report of Best Practice Related to Water Governance

REF069: Records of Organizing a WET Program to Promote Students’ Awareness of Cherishing, Saving and Protecting Water at Songmao Primary School and Malang Primary School

REF070: Pictures of Water Efficient Fittings and Water Saving Marks

REF071: First-Quarter Meeting Records Between Dashan and Songmao Village Committee

REF072: Second-Quarter Meeting Records Between Dashan and Songmao Village Committee

REF073: First-Quarter Meeting Records Between Dashan and Malang Village Committee

REF074: Second-Quarter Meeting Records Between Dashan and Malang Village Committee

REF075: Stakeholder Consultation Records in 2020

REF076: Dashan's WeChat Public Platform

REF077: Bulletin board installed at Songmao Village Committee

REF078: Bulletin board installed at Malang Village Committee

REF079: Bulletin board installed at Employees' Canteen of Dashan

REF080: Dashan CRP2.0 Report in 2020

REF081: Organization Chart of Dashan Factory AWS Team

REF082: Dashan's Management Review Report in 2020

REF083: Plaque of Water-Saving Enterprise issued by the People's Government of Kunming Municipality in 2016

REF084: Bottled (Barrelled) Drinking Natural Spring Water (Spring Water) Standard (DB53/118-2009, updated in 2015)

REF085: Record of Received Visitors

REF086: Sales of HOD Water at Sales Shop Respectively Installed at Songmao Village and Malang Village in 2021