CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001783

WSAS WATER STEWARDSHIP ASSURANCE SERVICES

SITE DETAILS

Site: **Mengniu Hi-tech Dairy (Beijing) Co., LTD**

Address: North side of No. 1, Food Industrial Park,Tongzhou District, Beijing, 101107, Beijing, Beijing, P.R. CHINA

Contact Person: weichun hou

AWS Reference Number: AWS-000781

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Gold

Date of certification decision: 2025-Dec-04

Validity of certificate: 2028-Dec-03

AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)

Audit Type(s): Initial Audit

Audit Start Date: 2025-Sep-08

Audit End Date: 2025-Sep-10

Lead Auditor: Sibyl Zhu

Audit team participants:

Rhiannon Li

Site Participants:

Hou Weichun, Energy Management Engineer
Pan Xiaoyan, Sustainable Development Officer
Wang Ruihua, wastewater treatment engineer
Yu Sujia, Environmental protection and carbon reduction engineer
Zeng Hao, Safety and Environmental Protection Manager
Guo Yongli, Factory director

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ADDITIONAL INFO

Summary of Audit Findings: During the certification audit, 6 non-conformities and 2 observations were raised.

The Client is requested to perform a root cause analysis and define corrective actions for each of the non-conformities and to submit these to WSAS within 7 days of receipt of the audit report.

The non-conformities must be closed within 90 days of the end of the audit. In order to meet this timeline evidence is to be submitted to WSAS (within 75 days) by 25/11/2025.

The audit team recommends certification of Mengniu Hi-tech Dairy Products (Beijing) Co., Ltd. at Gold level pending closure of the non-conformities.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of Mengniu Hi-Tech Dairy Products(Beijing) Co., Ltd. against the AWS International Water Stewardship Standard Version 2.

The site covers an area of 93333.8 m3 and employs 260 staff members. The site has a total of 11 production lines, with its main product being fermented milk and an annual production capacity of 110000 tons. The site includes main workshops: one dairy collection workshop, one low-temperature three-dimensional storage warehouse, one production workshop, one low-temperature supply warehouse, one soft water room, and several auxiliary facilities, including chemical warehouse, waste warehouses, power distribution room, refrigeration workshop, air compressor room, power workshop, car wash area, office building, etc. The site only uses municipal water supplied by Beijing Donglianhuan Water Engineering Co.,Ltd. The water resource is groundwater, and the water intake well is located in the Chaobai River catchment. The site also has one wastewater treatment plant. The wastewater will be treated by onsite WWTP, and then discharged into municipal WWTP, and then flows to the North Canal.
The facility is located in the North Canal and Chaobai River catchment which are the sub-catchment of Hai River.

The audit was conducted onsite on 2025.09.08 to 2025.09.10.
The onsite site visit included the assessment of production lines, wastewater treatment plant, chemical warehouse, hazardous waste storage area, soft water room, stakeholder interviews and documents review. A 0.5-day stakeholder interview was performed on 2025.09.09 and the following external stakeholders were interviewed during the audit: Supplier / Mr. Zhang; Supplier / Mr. Yuan; Neighbor community/Mr. Zhang; Neighbor community/Mr. Liu; Local Water Affairs Bureau/ Mr. Zhai; Water supply plant/Mr. Liu; Employee/Ms. Bai; Employee/Mr. Zheng.

FINDINGS

NUMBER OF FINDINGS PER LEVEL

Observation	2
Non-Conformity	6

FINDING DETAILS

Finding No:	TNR-020059
Checklist Item No:	1.4.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-25
Checklist item:	The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.
Findings:	The site has not obtained water quality information from suppliers/service providers within the same catchment.
Corrective action:	Identify suppliers in the same watershed and obtain water quality test reports.

Finding No:	TNR-020603
Checklist Item No:	2.3.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-25
Checklist item:	A water stewardship plan shall be identified, including for each target: - How it will be measured and monitored - Actions to achieve and maintain (or exceed) it - Planned timeframes to achieve it - Financial budgets allocated for actions - Positions of persons responsible for actions and achieving targets - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.
Findings:	The water stewardship plan does not include an action plan for indirect water use, and it also lacks a budget.
Corrective action:	Establish a plan specifically for key suppliers or those who can effectively respond to demands from suppliers alone.

Finding No:	TNR-020604
Checklist Item No:	2.3.5
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-25
Checklist item:	Advanced Indicator Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.
Findings:	The evaluations of the 2025 water stewardship plan by the stakeholders have not been collected.
Corrective action:	Reiterate to the relevant parties, collect and evaluate the plans

Finding No:	TNR-022284
Checklist Item No:	3.2.1
Status:	Open
Finding level:	Observation
Checklist item:	A process to verify full legal and regulatory compliance shall be implemented.
Findings:	3.2.1 The site has not to follow the reference standards when sampling and testing the wastewater before discharging into the final receiving water body.

Finding No:	TNR-020680
Checklist Item No:	3.7.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-25
Checklist item:	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.
Findings:	The indirect water usage targets need to be clearly defined and quantified, and the achievement of these targets in the sustainable water stewardship plan should also be quantified, such as through supplier audit specifications, audit records, CAP follow-up records, etc.
Corrective action:	Quantify the indirect water usage targets to the suppliers, track the progress of their improvement efforts and document the results.

Finding No:	TNR-022285
Checklist Item No:	3.9.5
Status:	Open
Finding level:	Observation
Checklist item:	Actions towards achieving best practice related to targets in terms of WASH shall be implemented.
Findings:	3.9.5 There is no display of the drinking water test report or the QR code for the test report near the water dispenser in the workshop.

Finding No:	TNR-020681
Checklist Item No:	4.3.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-25
Checklist item:	Consultation efforts with stakeholders on the site’s water stewardship performance shall be identified.
Findings:	No feedback from relevant parties regarding the 2024 water stewardship achievements was collected.
Corrective action:	Recollect the feedback results and compile them into a record.

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001783

Finding No:	TNR-022075
Checklist Item No:	4.4.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-25
Checklist item:	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.
Findings:	No feedback from relevant parties regarding the 2024 water stewardship achievements was collected.
Corrective action:	Recollect the feedback results and compile them into a record.

CERTIFICATION REPORT

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Report Details

Report	Value
Report prepared by	Sibyl Zhu
Report approved by	Leong Siew Mui
Report approved on (Date)	04 December 2025

Surveillance

Proposed date for next audit
2026-Sep-10

Stakeholder Announcements

Date of publication	Location
08/09/2025	https://a4ws.org/wp-content/uploads/2025/06/AWS-000781_Mengniu-Beijing_StakAn_billingual.pdf
08/09/2025	https://www.tuv.com/content-media-files/greater-china/about-us/downloads/aws-000781_mengniu-beijing_stakeholderannouncement_monthyy_v3.0-billingual20250625.docx
Comment	https://www.mengniu.com.cn/sustainable.html#sustainable4

Catchment Information

Location in the catchment.png

Catchment.png

Catchment Information

"The water source used in the site is municipal water. The municipal water is supplied by Beijing Donglianhuan Water Engineering Co.,Ltd. The water source for the water supply plant is groundwater, and the water intake well is located 800 meters south of Xinggezhuang, within the Chaobai River catchment. The well depth is 300.28 meters, with a rock layer thickness of 20.28 meters.
The industrial wastewater and domestic wastewater are treated by onsite wastewater treatment plant. After meeting the municipal Level III discharge standards, it is sent to the Gantang Recycled Water Treatment Plant which is located in 019 Caoda Road, Lucheng Town, Tongzhou District for further treatment. After treatment, the water is discharged into Wuda Ditch, which ultimately flows into the North Canal. The rainwater is discharged into the municipal rainwater pipeline and then finally flows to the North Canal.
Through literature comparison, on-site observation, and interviews, the North Canal catchment and the groundwater of Beijing section of the Chaobai River were selected as the catchment boundary and water source dependent catchment boundary for the discharge impact of Mengniu site respectively for this water resource management. Both of these basins are sub-catchments of Hai River.
The North Canal is one of the tributaries of the Hai River. The North Canal originates from the areas of Changping District and Haidian District in Beijing. It flows southward into Tongzhou District, where it is called the Wenyu River upstream of Beiguan in Tongzhou. It then flows through Xianghe County in Hebei Province, Wuqing District in Tianjin, and finally joins the Hai River at Dahong Bridge in Tianjin. The North Canal catchment covers an area of 6166 square kilometers, with a length of 160 kilometers and an average width of 38 kilometers. Within Beijing, the North Canal catchment covers an area of 4,423 square kilometers. The North Canal serves as the main drainage river for the urban areas of Beijing.
The Chaobai River is one of the five major rivers of the Hai River system and flows through Beijing, Tianjin, and Hebei Province. The Chaobai River has a total length of 458 kilometers and a basin area of 19500 square kilometers. In the upper reaches of the Chaobai River, the mountainous areas are characterized by deep valleys and narrow river channels. Below Suzhuang, the river enters the plains, where the riverbed gradient decreases, the river valley broadens, and flooding becomes more likely. In 1950, the Chaobai New River was excavated, and later, the Miyun and Huairou Reservoirs were constructed to control floods in the mountainous areas. The Miyun Reservoir discharges water in two directions into the Chaobai River system. One branch flows to Tianjin and into the sea, supplying domestic water for Tianjin. The other branch flows through the Jingmi Diversion Canal and Huairou Reservoir into urban Beijing, serving as one of Beijing's important water sources. The Chaobai River is located in the eastern part of Tongzhou District and enters the district boundary at Gangbei Village, which lies at the junction of Northeast Tongzhou, Shunyi District, and Sanhe City in Hebei Province. Within the Tongzhou District, the Chaobai River runs for 41.7 kilometers, with 36.6 kilometers of embankment. The riverbed has an average width of 350 meters, while the river bottom is 200 meters wide. The river basin in Tongzhou covers an area of 69.6 square kilometers and provides flood control and drainage for an area of 142666380 square kilometers. The annual flood season lasts from June 1 to September 15.
According to the latest information published by the People’s Government of Tongzhou District, on its official website regarding the water quality of rivers within the Tongzhou section of the North Canal and the Chaobai River system, both the Chaobai River and the North Canal are classified as Class III for water quality.
The Hai River Basin is bordered by the Bohai Sea to the east, the Taihang Mountains to the west, the Yellow River to the south, and the Mongolian Plateau to the north. The basin covers a total area of 318,200 square kilometers, accounting for 3.3% of the national territory. The Hai River system consists of five major tributaries (the Chaobai River, Yongding River, Daqing River, Ziya River, and the South Canal) and one smaller tributary (the North Canal). The Hai River Basin lies within the temperate monsoon climate zone. The key characteristics of its water resources are the small total availability, uneven spatial and temporal distribution of precipitation, frequent occurrences of consecutive dry years, and a gradual decline in water resources. The Hai River Basin is one of China's regions most severely affected by floods, waterlogging, drought, and salinity disasters."

Client Description and Site Details

water resources map.png

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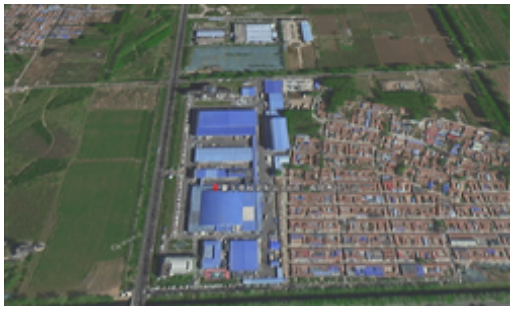
River Basin Impact Map.png

Site_layout.png



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Client/Site Background

"Mengniu Hi-Tech Dairy Products (Beijing) Co., Ltd. is located at North side of No.1 Food Industrial Park, Tongzhou District, Beijing. It was established in May 2003 and covers an area of 93333.8 square kilometers. The site's geographic coordinates are 116°46′35.796″E, 39°51′26.734″N. It is located between the Beiyun River and the Chaobai River. To the east is Xiaogantang Village, to the south is Baiyu Food Co., Ltd., to the west is agricultural land, and to the north is BorgWarner Automotive Transmission Co., Ltd.

The site employs 260 staff members. It is equipped with 11 fully automated low-temperature production lines, primarily using the pasteurization process to produce stirred and set-type fermented milk. The daily designed production capacity reaches 411 tons, covering 29 product items. Focused on low-temperature yogurt as the core, the product range includes series such as Probiotic Yogurt, Digestive Health, Light Balance, Traditional Yogurt, and Single Fruit Yogurt.

All water used at the site is supplied by municipal water provided by Beijing Donglianhuan Water Engineering Co., Ltd., with the source being groundwater. The backup water plant is the Beijing Tongzhou Yunchao Property Management Co., Ltd. water plant, whose source is also groundwater. The water intake points of both water plants are located within the Chaobai River catchment. The water supply pipeline from the water supply plant enters the site from the west side and supplies municipal water to offices, employee showers, the ice water system, the heat exchange station, refrigeration systems, car washing area and other departments and facilities. Another portion of the water supply enters the soft water station, where it undergoes softening treatment before being sequentially supplied to production line processes in each workshop.

The onsite wastewater treatment plant is approximately 1 kilometer from the site. Industrial and domestic wastewater is collected through underground pipelines and sent to the onsite wastewater treatment facility. After being treated to meet municipal Level III discharge standards, it is discharged through drainage points into the municipal sewage system, which leads to the Lucheng Town Gantang Recycled Water Treatment Plant for further processing. After treatment, the effluent is eventually flows into the North Canal.

Rainwater is collected through the rainwater pipe network and eventually discharged into the North Canal.

Summary of Shared Water Challenges

Summary of Shared Water Challenges
"Based on the consultant, survey with the stakeholders, and analysis of the catchment information, the site identified the shared challenges and prioritized according to the relevance/rationality.
Ranking from highest to lowest, the shared water challenges are list as below:
1.Water shortage.Water shortage is a common problem in both the mainstream and tributaries of the Hai River (including the Chaobai River and the North Canal), constraining local economic and social development. The main characteristics of water resources in the Haihe River Basin are a low total amount of water resources, uneven temporal and spatial distribution of precipitation, frequent occurrence of consecutive drought years, and a gradual decline in water resource availability.Within the catchment, Beijing is classified as a resource-based city facing extreme water.
2.Rainstorm and flood disasters. In 2012, 2016, 2023, and 2025, large-scale rainstorm and flood disasters occurred. To address the 2025 flood disaster in the Chaobai River catchment, Beijing formulated the 'Beijing Flood Control Emergency Plan (2025 Revision).'
3.Climate Change Mitigation: The site identified two urban development plans:
•Beijing Climate Change Adaptation Action Plan"" (Beijing Municipal Ecology and Environment Bureau, Document No. [2024] 1 - February 2024)
https://sthjj.beijing.gov.cn/bjhrb/index/xxgk69/zfxxgk43/fdzdgknr2/zcfb/2024bzcwj/543352535/index.html
•Beijing's 14th Five-Year Plan for Addressing Climate Change and Energy Conservation"" (Beijing Municipal Ecology and Environment Bureau, Document No. [2024] 16 - July 2022)

https://sthjj.beijing.gov.cn/bjhrb/index/xxgk69/zfxxgk43/fdzdgknr2/zcfb/2024bzcwj/543392054/index.html
Meeting the goals of the plans, including improving the ecological environment, adapting to climate change and reducing carbon emissions as the key indicators for future development are the challenge of the site.".

0.0.1 Water Source & Discharge Locations

0.01 *Have any water source or discharge locations been visited during the audit, if so, which and where? If none were visited, please provide justification.*

Yes

Comment: The water resource is groundwater, and the water intake well is located in the Chaobai River catchment. The water intake well is visited during the audit.

1	STEP 1: GATHER AND UNDERSTAND	
1.1	*Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.*	
1.1.1	*The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:* *- Site boundaries;* *- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;* *- Any water sources providing water to the site that are owned or managed by the site or its parent organization;* *- Water service provider (if applicable) and its ultimate water source;* *- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;* *- Catchment(s) that the site affect(s) and is reliant upon for water.*	✓ Yes
Comment	The site draws a few maps covered the physical scope which identify the site boundary and the related catchment, the maps including following content: - Site boundaries - Water-related infrastructure, including soft water station, wastewater treatment plant, drainage piping network, wastewater pipeline network. --Map of water supply (Beijing Donglianhuan Water Engineering Co., Ltd., main water supply infrastructure; Tongzhou Yunchao Property Management Co., Ltd. Water Factory, backup water supply infrastructure, no longer in use) and its ultimate water source (ground water, with the hydrogeology testing report). - Map of municipal WWTP (Gantang reclaimed Water Treatment Plant), sewage discharge point and its ultimate receiving water body (North Canal). - Map of rainwater ultimate receiving water body (North Canal) - Map of catchment that the site affects (North Canal) and is reliant upon for water (Ground water and Chaobai River).	
1.2	*Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.*	
1.2.1	*Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:* *- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;* *- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;* *- Provide evidence of stakeholder consultation on water-related interests and challenges;* *- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;* *- Identify the degree of stakeholder engagement based on their level of interest and influence.*	✓ Yes

Comment	The site established AWS stakeholder management process which includes the stakeholder identification procedure. Their communication with stakeholders follow the Negotiate and Participate in the communication procedure(S-9.4.7-9-2018-0). They also identified key stakeholders such as the other company belong to Mengniu Group, village around, government, surrounding factories, parks around, water service company, important water-related areas, suppliers, subcontractors and NGO, etc. All the stakeholders are list in a spreadsheet. The spreadsheet contains the information such as the key contacts of different stakeholders, the degree of influence, the communication way and etc. Considering the location of the stakeholder and the degree of stakeholders' level of interest and influence, the site communicated with stakeholder via different approaches, such as onsite visit, stakeholder meetings, phone calls, Wechat communication, publicity activities, seminars, etc. Water-related challenges are identified via above engagement.	
1.2.2	*Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.*	Yes
Comment	Mengniu Hi-Tech has developed an analysis table of stakeholders, the degree of influence between site and stakeholder has been identified of each stakeholder.	
1.3	*Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.*	
1.3.1	*Existing water-related incident response plans shall be identified.*	Yes
Comment	Mengniu Hi-Tech has developed a comprehensive response plan for environmental emergencies. The plan was registered with Tongzhou District Ecological Environment Bureau, No.110112-2025-089-L. Mengniu Hi-Tech prepares an EHS emergency drill plan every year, which includes all the drill needs planned for the year (including water-related emergency drills), and the drill topics, participants, drill time, etc. are defined. Mengniu Hi-Tech has also prepared specific emergency drill plans, exercise records, and evaluation reports for flood controls, hazardous waste leakage, non-compliance with wastewater discharge standards, water cut-off, drowning incidents, ammonia leakage in the power equipment energy group.	
1.3.2	*Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped*	Yes
Comment	Mengniu Hi-Tech has recorded the income and discharged water data via meter, and evaporation water data via estimation. The site has developed a water balance map based on the data. The water balance map reflected the water inflows, losses, reuses and outflows, including the incoming municipal water, production consumption, domestic wastewater, car washing, cooling and etc. The domestic wastewater from two nearby food processing plants and one automobile parts assembly plant is also treated by the onsite wastewater treatment plant. The three plants belong to different companies. The Mengniu wastewater treatment plant has installed flow meters at the inlet of each of these plants to monitor and record the wastewater flow entering the treatment facility. These flow meters provide real-time measurements of the inflow and outflow, ensuring the accuracy of the data. The corresponding inflows and outflows are reflected in the water balance map. The site tracks the readings of each water meter every month and carries out water balance analysis every year. Therefore, the annual high and low variances of water changes could be quantified.	
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.*	Yes

Comment	Mengniu Hi-Tech has recorded the income and discharged water data via meter, and evaporation water data via estimation. The site has developed a water balance map based on the data. The water balance map reflected the water inflows, losses, reuses and outflows, including the incoming municipal water, production consumption, domestic wastewater, car washing, cooling and etc. The domestic wastewater from two nearby food processing plants and one automobile parts assembly plant is also treated by the onsite wastewater treatment plant. The three plants belong to different companies. The Mengniu wastewater treatment plant has installed flow meters at the inlet of each of these plants to monitor and record the wastewater flow entering the treatment facility. These flow meters provide real-time measurements of the inflow and outflow, ensuring the accuracy of the data. The corresponding inflows and outflows are reflected in the water balance map. The site tracks the readings of each water meter every month and carries out water balance analysis every year. Water analysis for year 2023, 2024 and 2025 were provided for audit. Therefore, the annual high and low variances of water changes could be quantified. For example, the total tap water consumption in 2023 was 731,237 tons, 608,037 tons in 2024, and 255,215 tons in the first half of 2025. Compared to 2023, the consumption in 2024 decreased by 16.85%.The total wastewater volume in 2023 was 889,310 tons, 642,939 tons in 2024, and 241,054 tons in the first half of 2025. Compared to 2023, the wastewater volume in 2024 decreased by 27.7%.

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

Comment	Mengniu Hi-Tech has developed an Energy Quality Monitoring Plan(No. T\DS02-6.1.7-1-2025-1), which covers the incoming water, soft water, purified water, cooling water, reclaimed water, including monitoring points, testing methods, pollutant names, monitoring frequency, and control standards. Mengniu Hi-Tech has also developed a Self-Monitoring Plan for Environmental Protection according to the requirements of the wastewater discharge permit, which covers the discharged wastewater and rainwater. For example: - Provided water: • Internal laboratory conducts monthly testing of municipal water following the limit of Mengniu Raw Water Product Quality Standards(No.T\CS-2.3.6-4-2024-5) • The site also provided test reports of drinking water, municipal water and soft water. - Industrial and domestic wastewater: • According to the requirements of the wastewater discharge permit, the site regularly entrusts a third-party laboratory to test the discharged wastewater once per quarter • The site has installed online monitoring facilities at the wastewater discharge outlet to monitor pH, COD, NH3-N, TN and TP in real-time • Internal laboratory conducts daily testing of industrial wastewater discharge outlet and wastewater treatment processes • According to the wastewater testing report, all pollutant discharge meet demand. - Rainwater: • Internal laboratory conducts suspended solids and COD testing of rainwater discharge outlet once a month during the rainy season. Environmental water quality • The North Canal is the final receiving water bodies for rainwater and wastewater. The site entrusts a third-party laboratory to test the water quality and provided the testing report. There are a total of 4 sampling points: at the wastewater discharge outlet via Xiaxie Ditch to the North Canal, as well as upstream and downstream of the North Canal. The site tracks the testing result of water quality, so the variance could be quantified. The testing result are all compliant with the limit, and the trend is descending/rising/not obvious

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

Comment	The site has established a distribution map, identifying and marking potential sources of pollution, including the storage and use areas of chemicals, the storage and use areas of acid and alkali, the hazardous waste storage area. In addition, the site has also drawn diagrams of domestic and industrial wastewater pipelines, including the layout of the wastewater pipeline network, wastewater treatment facilities, and the location of wastewater tanks.	
1.3.6	*On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.*	Yes
Comment	There is no important water related area onsite.	
1.3.7	*Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.*	Yes
Comment	The site has identified and quantified water related costs and revenues. The water-related costs including 1. Water supply invoice 2. Cost of water treatment (including labor costs, equipment maintenance, material consumption, energy costs, and depreciation) 3. Cost of wastewater treatment (including labor costs, equipment maintenance, material consumption, electricity, depreciation and renting) 4.Electricity fees of water dispenser 5.Water/wastewater/rainwater quality testing 6.Cost of wastewater discharge permit 7.AWS related activities expenses There is no water related revenue. The site is helping three neighboring factories to treat their wastewater and not charging cost.	
1.3.8	*Levels of access and adequacy of WASH at the site shall be identified.*	Yes
Comment	The site provided the sufficient drinking water, sanitation and hygiene facility to the employees. -Drinking water The site provides employees with free drinking water, equipped with 1 water dispenser. Drinking water is sourced from the workshop's ingredient water, which undergoes softening and purified water preparation processes. The site entrusts a third-party laboratory to test the quality of drinking water, in accordance with the standard:GB/T 5750.5-2023: Standard Examination Methods for Drinking Water - Part 5: Inorganic Non-Metallic Indicators; GB/T 5750.4-2023: Standard Examination Methods for Drinking Water - Part 4: Sensory Characteristics and Physical Indicators; GB/T 5750.12-2023: Standard Examination Methods for Drinking Water - Part 12: Microbial Indicators. The site also follows the shared Ingredient Water Quality Monitoring Plan, Code: T\ZA-6.1.3-15-2023-0, to perform the test of drinking water (ingredient water) quality once daily. As per the testing report, the quality complied with the related standards. For sanitation and hygiene facility like toilet and washing faucet, via the assessment, the number and allocation comply with the requirements of the Hygiene Standards for Industrial Enterprises (GBZ 1-2010). The site also conducts WBCSD self-assessment to evaluate the level of onsite WASH. The result is satisfied.	
1.4	*Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.*	
1.4.1	*The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.*	No

Comment

The main raw materials of the product of the site are milk, sheet material, fruit pieces and packaging materials. The site identified and screened the Top 25 suppliers with transaction amounts. The site questionnaire to suppliers to understand their water-related situation, included water quantity, product capacity, water source and wastewater discharge. The site has also identified suppliers located in the same catchment.
And the site analyzed the water related risk level of suppliers by the intensity of water consumption, water stewardship, Environmental violation records. The site also uses WWF to understand catchment risk of suppliers, which included water shortage, floor, water quality, status of ecosystem services and environment.

Finding No: TNR-020059

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

Yes

Comment

The site collects the water consumption of its outsourced services such as solid waste treatment service company, hazardous waste disposal units and workwear cleaning service provider through questionnaires.

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

Yes

Comment

The site investigated 25 suppliers of primary inputs within and outside the site's catchment.
The site has established a list of product suppliers covering suppliers of main materials, suppliers of accessories, suppliers of packing materials. Then they send the questionaries to suppliers to investigate the water-related information. Via the data of suppliers' total water consumption, the production volume and production volume proportion, the site could calculate the embedded water use of the main suppliers.
The site also investigated the industry-average water consumption of white sugar and milk powder. The embedded water use of materials is about 2784424 tons by calculation.

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

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

Yes

Comment

Water governance initiatives were identified in Catchment Background Survey Report by the site.
The report lists administrative departments related to water-related catchment, such as the National Development and Reform Commission, the Ministry of Ecology and Environment, the Beijing Water Authority, and the Beijing Municipal People's Government.
The report lists water-related governance initiatives and plans at the national and local level. For example:
1.The notification from the National Development and Reform Commission on the issuance of the ""14th Five-Year Plan for Comprehensive Water Environment Management in Key River Basins"" mentions ""promoting comprehensive water environment management in the Haihe River Basin and intensifying pollution control efforts in the Yongding River, Luan River, North Canal, Daqing River, South Canal, and Chaobai River.""
2.The ""Beijing Chaobai River Water Ecological Space Control Plan"" issued by the Beijing Water Authority delineates the water ecological control lines and water ecological functional zones.
3.The Beijing Water Authority has launched the 2024 ecological water replenishment project for the Chaobai River and North Canal.

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

Yes

Comment

The site presents a laws and regulations list that contains all legal actions covering the aspects below:
Watershed environmental management, environmental impact assessment, discharge permits, water resource extraction and utilization, drinking water safety and sanitation, water treatment facilities and wastewater discharge, emergency management, measurement and monitoring calibration, and water stewardship systems.
The document is used by the site to monitor the status of each of the site's legal obligations.

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

Yes

Comment

The Catchment Background Survey Report uses the water balance data of Beijing City which cover the catchment as a simulation and provides a detailed analysis of water balance from 2022 to 2024.
The water balance is analyzed based on the rainfall (mm), surface water resources (m3), groundwater resources(m3), total water resources(m3), allocated water resource(m3), allocated water utilization(m3), reclaimed water utilization(m3), production and domestic water consumption(m3). All the data is collected from Beijing Water Resources Bulletin on the government website.
In 2024, the total production and domestic water consumption in Beijing City was 2.262 billion cubic meters. In 2022, it was 2.232 billion cubic meters, and in 2023, it was 2.265 billion cubic meters.
Beijing's total water supply has seen a slight increase each year from 2022 to 2024. In 2024, the total water supply in Beijing City was 1.98 billion cubic meters. In 2022, it was 1.91 billion cubic meters, and in 2023, it was 1.958 billion cubic meters.
Due to significant variations in annual rainfall, Beijing's surface water resources fluctuate greatly, which in turn results in substantial changes in the total water resources.
Beijing utilizes various water resources, including surface water, groundwater, reclaimed water, and water from the South-to-North Water Diversion Project. The total allocated water resources were 4.083 billion m^3 in 2022, 4.003 billion m^3 in 2023, and 4.211 billion m^3 in 2024, with relatively small variation over the years.
Additionally, the depth of the groundwater extraction wells is between 100 to 200 meters, with an aquifer thickness of 14 meters. Water is extracted at a depth of 80 meters, and the water level in the aquifer is rising, increasing every year.

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

Yes

Comment

The Catchment Background Survey Report provides a detailed analysis of water quality for the catchment. The site obtained the relate information from the Beijing Ecological and Environmental Status Bulletin. The data includes the surface water quality, river water quality, lake water quality, reservoir water quality, groundwater quality. The Chaobai River system and the North Canal system have both achieved the planned water quality categories. Since 2022, there have been no Grade V or worse water bodies in Beijing.The overall groundwater quality remains stable, and the groundwater level is slowly rising. The data is published annually. Therefore, the annual variances could be identified.
The Catchment Background Survey Report also provides a detailed analysis of the statistical data on river water quality sections in Tongzhou District from 2022 to 2025. According to the statistical results, the overall water quality of river sections within the catchment has been continuously improving. Since September 2023, there have been no occurrences of Grade V or worse water. Starting from September 2024, Grade V water has not appeared. As of 2025, most river sections have generally maintained Grade II and Grade III water quality, with Grade IV water appearing only three times in the first seven months of 2025.

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

Yes

Comment

The Catchment Background Survey Report lists the Important Water-Related Area of the catchment.
The Important Water-Related Areas are collected based on stakeholder engagement and government published documents, including:
1. Parks: Grand Canal Forest Park, Green Heart Forest Park, Zhangjiawan Park, Tongzhou Canal Park, Xihazi Park, Chaobai River National Forest Park.
2. Reservoirs: Miyun Reservoir, Huairou Reservoir.
3. Groundwater extraction wells of the Donglianhuan Water Plant.
4. Rivers: Chaobai River, North Canal.
The status of the IWRAs is collected from the managing authorities and descripted in the list.

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

Yes

Comment

The Catchment Background Survey Report lists the existing and planned water-related infrastructure including water supply, water supply pipeline, flood control and drainage, wastewater treatment at district, catchment and city levels and water-related objectives.
Based on the available information, the current condition of the water supply facilities within the catchment is good, and the water supply capacity is continuously being enhanced with urban development. The wastewater treatment facilities within the catchment are in good condition, with the treatment capacities of wastewater treatment plants and reclaimed water plants continuously expanding; the scale of using reclaimed water for ecological replenishment is also steadily increasing. Flood control and drainage facilities are also being continually strengthened.

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

Yes

Comment

The site obtained the WASH status through the government websites.
The ""Three-Year Action Plan for Promoting High-Quality Water Supply Development in Beijing (2023-2025)"" proposed that by 2025, a water supply infrastructure system covering both urban and rural areas will be essentially complete. The People's Government of Tongzhou District, Beijing, publishes the water quality of centralized domestic drinking water sources at district, town, and village levels online every quarter. According to the published data, the water source quality meets the corresponding water source standards, and the quality of supplied tap water meets the limits set by the Standards for Drinking Water Quality.
As of December 2022, Tongzhou District had built 167 wastewater and reclaimed water treatment plants (or stations), including Bihui, Hedong, and Zhangjiawan plants, with a daily wastewater treatment capacity of approximately 574,000 tons and an annual capacity of about 1379.88 million tons for treating domestic wastewater. By the end of 2025, the district aims to achieve a wastewater treatment rate of over 98%, with the rate in the 155-square-kilometer urban sub-center area reaching 99.9%. At the same time, efforts will be made to achieve full coverage of rural wastewater treatment facilities, resulting in governance that ensures "no wastewater discharge and no outdoor exposure.".
The Tongzhou District Government has introduced a series of policy measures to promote the construction of a ""Healthy Tongzhou,"" including content related to improving personal hygiene. These policies provide institutional support and assurance for improving personal hygiene.
Based on existing information, stakeholder interviews, and survey results of local residents, Tongzhou District has taken active measures in tap water supply, sanitation, and personal hygiene, ensuring that WASH within the district is relatively sufficient.

1.5.8 *Advanced Indicator*
Efforts by the site to support and undertake catchment level water-related data collection shall be identified.

Yes

Comment	Mengniu Hi-Tech sample monitoring points in upstream of the North Canal rainwater discharge outlet, upstream of the North Canal stormwater discharge outlet, upstream of the North Canal municipal wastewater discharge outlet, downstream of the North Canal municipal wastewater discharge outlet. Mengniu Hi-Tech entrust a third party to perform the water quality testing at its own expense. The site shares the testing result to suppliers in the AWS training and local Water Affairs Bureau in onsite visit.	
1.5.9	*Advanced Indicator* *The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.*	Yes
Comment	The site investigated the supplier of primary inputs within and outside the site's catchment. The site has established a list of 49 product suppliers covering suppliers of main materials, suppliers of fruit pieces, suppliers of packing materials. The site has collected and investigated information on the water supply coverage rate (%) and wastewater collection and treatment rate (%) in the locations of these suppliers. Overall, the cities and counties where the suppliers are located have relatively high tap water coverage, with all achieving rates above 95%. However, at the town and township levels, water supply coverage decreases. The lowest water supply coverage rate, 73.80%, is found in a supplier located in Shaanxi Province at the township level. For other suppliers, the township-level water supply coverage in their provinces reaches at least 85%. Wastewater treatment rates show greater variation. The average wastewater treatment rate is 98.58% at the city level, 97.91% at the county level, 71.26% at the town level, and 63.11% at the township level. At the city and county levels, the wastewater treatment rate for all suppliers exceeds 94%. However, at the town level, 2% of areas have a wastewater treatment rate below 60%. At the township level, 50.7% of areas have a wastewater treatment rate below 60%. Notably, the township-level wastewater treatment rates in Beijing, Hebei, Shaanxi, and Jilin are generally below 40%, with two locations (in Shaanxi and Jilin) even falling below 30%. This indicates that while the cities and counties where the suppliers are located generally have sufficient WASH (Water, Sanitation, and Hygiene) infrastructure, there is a clear insufficiency in WASH at the town and township levels.	
1.6	*Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.*	
1.6.1	*Shared water challenges shall be identified and prioritized from the information gathered.*	Yes
Comment	Based on the consultant, survey with the stakeholders, and analysis of the catchment information, the site identified the shared challenges and prioritized according to the relevance/rationality. Ranking from highest to lowest, the shared water challenges are list as below: 1. Water shortage. 2. Rainstorm and flood disasters. 3. Climate Change Mitigation	
1.6.2	*Initiatives to address shared water challenges shall be identified.*	Yes

Comment

In response to the aforementioned shared water challenges, the site has identified measures to address them, including the public initiatives and site's action plan.
For example:
1.In order to address the common water challenges of water scarcity, the site has been promoting low water consumption products and low water consumption production processes. For example, in 2024, 11 water-saving projects were identified and completed, which saved approximately 92,000 tons of water per year.
2.In order to address the common water challenges posed by heavy rain and flood disasters, the site will organize or participate in campaigns to promote the protection of flood discharge channels and flood control facilities in the year 2026.
For public action, Beijing City government has formulated the "Beijing Flood Control Emergency Plan (2025 Revision)," which clarifies that flood control work adheres to the principles of unified leadership, coordinated linkage, hierarchical responsibility, and locality-based management.
3.In order to address the common water challenges of mitigating climate change, the site closely follows Mengniu Group's goals of "achieving carbon peak by 2030 and carbon neutrality by 2050" and is currently planning energy-saving and carbon reduction initiatives. It aims to achieve a carbon emission intensity of no more than 165 kgCO2e/t per ton of dairy products by 2025.

1.6.3 *Advanced Indicator*
Future water issues shall be identified, including anticipated impacts and trends

Yes

Comment

The site analyzed the trends in population changes, important water body quality changes, water related facilities, agricultural, industrial, and domestic water use demand, water pollution, influence to water quality by industry development, and climate within the catchment by querying reports published by government or academic institutions. And based on research reports and WRI Aqueduct Water Risk Tool, predictions were made for future water issues in the catchment:
1.Overall, with the increasing population size and the intensifying trend of aging, the total water demand in Beijing is expected to remain stable or grow slightly.
2.Under the combined influence of policy guidance, technological progress, and socio-economic factors, water quality in Beijing will continue to improve. The proportion of high-quality water bodies will further increase, and drinking water quality will be more effectively safeguarded.
3.Beijing's water-related infrastructure, such as water treatment plants, wastewater treatment plants, flood control facilities, and water supply and drainage networks, will continue to develop, improve, and upgrade.
4.The continuous rise in average temperatures and uneven regional precipitation have led to an increasing frequency of natural disasters such as droughts and floods. Government departments within the watershed are taking various measures to improve their capacity to cope with these natural disasters.
5.The increasing frequency of extreme weather events caused by climate change has heightened the need for residents and the economy within the watershed to enhance their ability to adapt to climate change.
6.By 2030, the water risk in the catchment where the site is located is expected to be at an ""extremely high"" level (≥80%, according to the WRI Aqueduct Water Risk Tool).

1.6.4 *Advanced Indicator*
Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.

Yes

Comment

The site has prepared the social impact assessment report, which included the water-related social impacts.
The report evaluated the positive impact and negative impact of the water by the site's operation, such as factory water use on surrounding water use, factory drainage on surrounding water quality, impact on community water awareness, impact on direct and indirect employment, impact on water resource compliance management in the same industry, etc. For the negative impact, the report also listed the mitigation plans for the influence.

1.7 *Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.*

1.7.1 *Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.* Yes

Comment: The site identified its water risks and summarized in a table. In the table, the frequency of the risk, the severity of the impact, potential costs and business impact are evaluated by the site. Water risks are divided into three categories: physical, legal and reputation. The site scored the likelihood of the risk and severity of the impact, and then multiple two scores to prioritize the level of the risk.
The potential costs and business impact are also included.

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

Comment: The site has identified seven major water related opportunities in a table, considering following factors:
possible actions, how the site may participate, assessment and prioritization of potential savings, magnitude of business opportunities. The site analyzes the water opportunities that might arise if each water risk is properly addressed.
Some water-related opportunities are listed below:
1. Developing an emergency plan for water supply interruptions and conducting regular drills can enhance the company's ability to manage risks related to water supply interruptions.
2. Fully leveraging the capacity of existing wastewater treatment facilities while learning about advanced wastewater treatment technologies can reduce the cost of facility upgrades by 4 million yuan.
3. Strengthening internal water-saving management and replacing various high-efficiency water-saving equipment can reduce water usage and mitigate the rise in water costs caused by increased water prices.
4. Developing a site-specific emergency response plan for rainstorm-induced floods and conducting drills can enhance the site's ability to respond to such events, reducing potential losses from rainstorm-induced floods by 560000 yuan.

1.8 *Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.*

1.8.1 *Relevant catchment best practice for water governance shall be identified.* Yes

Comment: The site has collected the best practices from occupation standard (local and national recommendation standard). The site has identified and established a best practices list to collect all best practice towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH.
For example:
1.According to the AWS International Water Stewardship Standard 2.0, continuously carry out sustainable water stewardship activities within the company and the watershed where the company operates.
2.Tongzhou District strengthens the oversight of water-related issue rectification and establishes a ""five-dimensional integrated"" water environment management system.

1.8.2 *Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.* Yes

Comment	The site has collected the best practices from occupation standard(local and national recommendation standard). The site has identified and established a best practices list to collect all best practice towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. For example: 1. According to the Cleaner Production Standard for Dairy Industry (Pure Milk and Whole Milk Powder) (HJ/T 316-2006), water consumption secondary indicators (representing the advanced level of domestic cleaner production) specified key equipment and pipelines use CIP (Clean-In-Place) cleaning, with water consumption less than or equal to 3.5 cubic meters per ton 2.The 2024 Edition of the Beijing Industrial Water Quota Compilation specifies water intake quotas for pasteurized milk and sterilized milk. For pasteurized milk, Beijing's advanced value is 4.5 m^3/t, while the Ministry of Water Resources' benchmark value is 3.5 m^3/t. For sterilized milk, Beijing's advanced value is 3 m^3/t, while the Ministry of Water Resources' benchmark value is 2.4 m^3/t. 3.The wastewater from purified water machines in nearby villages is extracted and stored using pumping machines and is used for free car washing, enabling the reuse of water resources.

1.8.3	*Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.*	Yes

Comment	The site has collected the best practices from occupation standard(local and national recommendation standard). The site has identified and established a best practices list to collect all best practice towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. For example: According to the Cleaner Production Standard for Dairy Industry (Pure Milk and Whole Milk Powder) (HJ/T 316-2006), the pollutant COD (Chemical Oxygen Demand) generation in the dairy industry (before end-of-pipe treatment) should meet the secondary indicator (representing the advanced level of domestic cleaner production) of less than or equal to 7 kg/t.

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

Comment	The site has collected the best practices from occupation standard(local and national recommendation standard). The site has identified and established a best practices list to collect all best practice towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. For example: 1. Beijing's Tongzhou District has delineated the boundaries of urban drinking water source protection zones. 2. The urban sub-center has organized canal clean-up and running activities. 3.Beijing, Hebei Province, and Tianjin City have collaborated on river management to improve the water ecological health of the Chaobai River and North Canal. 4.Tongzhou District takes multiple measures to address pollution in surrounding rivers□control sewage inflow, carrie out rainwater and sewage diversion upgrades, advance the construction of wastewater treatment facilities and implement water network and ecological restoration projects.

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

Comment	The site has collected the best practices from occupation standard(local and national recommendation standard). The site has identified and established a best practices list to collect all best practice towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. For example: 1. The voluntary clause of the GBZ 1-2010 Hygienic standards for the design of industrial enterprises. GBZ 1-2010 is a national occupational hygiene standard. The sector standard includes requirements and recommendations for ensuring safe and adequate water, sanitation, and hygiene (WASH) services for employees. For example, for Level 1 and Level 2 hygiene workshops, it is recommended that each faucet serves 20-30 people. Toilets should not be too far from the workplace and should include measures for odor control and fly prevention. Toilets within workshops are generally required to be flush-type and should be equipped with handwashing sinks and cleaning basins. 2. Beijing Healthy Enterprise Construction Evaluation Technical Guide 3.Tongzhou District is fully implementing the Beautiful Countryside Supporting Wastewater Treatment Facilities Project, the Beautiful Countryside Wastewater Pipeline Renovation Project, and the "Tongzhou District 2024-2025 Water Supply Project Implementation Plan.""

2	STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	*Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.*	
2.1.1	*A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:* *- That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes* *- That the site implementation will be aligned to and in support of existing catchment sustainability plans* *- That the site's stakeholders will be engaged in an open and transparent way* *- That the site will allocate resources to implement the Standard.*	Yes
Comment	A water stewardship commitment to follow all the AWS core criteria has been signed by the top manager of the site. The commitment includes all the necessary element. The commitment is posted in the lobby of the site, and it is also showed on the official website https://www.mengniu.com.cn/sustainable.html#sustainable4 Direct link: https://img.mengniu.com.cn/Uploads/Mnnew/File/2025/05/07/u681af26c056d6.pdf	
2.1.2	*Advanced Indicator* *A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified.*	Yes
Comment	A water stewardship commitment to follow all the AWS core criteria has been signed by the top manager of the site. The commitment includes all the necessary element. The commitment is posted in the lobby of the site and it is also showed on the official website https://www.mengniu.com.cn/sustainable.html#sustainable4 Direct link: https://img.mengniu.com.cn/Uploads/Mnnew/File/2025/05/07/u681af26c056d6.pdf	
2.2	*Develop and document a process to achieve and maintain legal and regulatory compliance.*	
2.2.1	*The system to maintain compliance obligations for water and wastewater management shall be identified, including:* *- Identification of responsible persons/positions within facility organizational structure* *- Process for submissions to regulatory agencies.*	Yes
Comment	The site disclosed the information of its water stewardship organizational structure and members of the compliance responsible team in the lobby of the site. The site has prepared 'AWS Management System Manual', which defines the water stewardship responsibilities of each department. The site has also established a procedure to ensure the operation of the site meet the provisions of relevant laws, regulations and other requirements, S\DS019-9.5.3-1(18)-2025-0. EHS department is in charge of collecting and reviewing the relevant laws, regulations and other requirements annually. The conformance evaluation is conducted annually by EHS department.	
2.3	*Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.*	

2.3.1	*A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.*	Yes

Comment

The site has developed a water stewardship strategy and announced it on its official website (https://www.mengniu.com.cn/contact/detail/24858.html).
The strategy expounds the site's long-term plan for water stewardship in terms of standardized management, corporate social responsibility and implementation of best practices, including:
1. Must operate in compliance with laws and regulations, and be responsible for exercising social care and responsibilities, environmental protection, water stewardship, water resource utilization, circular economy initiatives, energy conservation and emission reduction plans, etc.
2. Respect every employee and citizen's right to safe and healthy water use.
3. Carry out continuous publicity and communication to promote water conservation and sustainability awareness among every employee and other relevant stakeholders.
4. Conduct risk assessments related to water scarcity and develop strategic business responsibilities.
5. Produce safe and hygienic products, acting as a positive advocate for national products.
6. Promote the development of water pollution prevention technologies and wastewater treatment measures.
7. Continuously improve the company's performance in sustainable water stewardship, striving to achieve the five outcomes of the AWS International Sustainable Water Stewardship Standard: sustainable water balance, good water quality, sound management systems, healthy important water-related areas, and adequate safe drinking water and sanitation facilities.
8. Continuously and actively support and cooperate with local and watershed policy action plans, engage in the protection of watershed water resources and environments, and contribute to the establishment of effective water stewardship mechanisms.
9. Maintain interactions with stakeholders in an open and transparent manner and regularly disclose performance and progress in water stewardship.
10. Regard water resource protection as a responsibility and mission equally important as food safety and provide the necessary resources to fulfill the above commitments, working together to create a sustainable and beautiful global environment.

2.3.2	*A water stewardship plan shall be identified, including for each target:* *- How it will be measured and monitored* *- Actions to achieve and maintain (or exceed) it* *- Planned timeframes to achieve it* *- Financial budgets allocated for actions* *- Positions of persons responsible for actions and achieving targets* *- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.*	No

Comment

The site has developed a Water Stewardship Plan, which specifies targets, required actions, measurement, status, effectiveness evaluation, accountable and deadline, etc.
The Water Stewardship Plan is associated with five main outcomes of AWS, including good water governance, sustainable water balance, good water quality status WASH and IWRA, such as:
• Complete the establishing of AWS system; Improve the AWS system management manual
• Participate in government meetings related to water issues
• The quality of the discharged wastewater meets 100% of the law requirements.
• Optimize the production process to reduce the water consumption and increase the proportion of wastewater reuse. Project for Reducing Steam Consumption through Waste Heat Heating and the water saving is 2m³ per day; Improve the efficiency of using purified water and the water saving is 700m³ per month; Adjust the frequency of soft water backwashing operation and the water saving is 1800m³ per year, etc.
• Periphery Bathroom Improvement Project; The peripheral drivers have added the water dispenser drinking service.

Finding No: TNR-020603

2.3.3	*Advanced Indicator* *The site's partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organisational ownership) shall be identified and described.*	Yes
Comment	1. In 2025, the site organized 6 'river patrol' activities around the ditches and rivers in the catchment. On 5 March 2025, the site organized 'river patrol' activity for Wuxing Ditch and Liuda Ditch which are around the facility. Totally 20 persons attended the activity and collected approximately 10 kilograms of garbage. On 5 June 2025, the site organized 'river patrol' activity with community residents and surrounding enterprises for Yuwu Ditch which is around the nearby community. Totally 20 persons attended the activity and collected approximately 15 kilograms of garbage. 2. The site respectively selects 4 points of the Beiyun River (final receiving water body) and arranges the water quality testing by trusts external agencies once per year (test parameters include permanganate, TP, TN, COD, NH3-N, Dissolved Oxygen).	
2.3.4	*Advanced Indicator* *The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.*	Yes
Comment	In April 2025, the site collaborated with its Wuhan brother company and carried out an ecological area conservation activity at the Wuhan factory (in the Yangtze River Basin), planting in the vegetable gardens and flower beds. Through this activity, the employees are aware of the pollution risks of pesticides and fertilizers to water bodies and learned about scientific and environmentally friendly farming methods.	
2.3.5	*Advanced Indicator* *Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.*	No
Comment	The site communicates its sustainable water stewardship performance with various stakeholders through interviews, meeting and questionnaires, including wastewater treatment service provider, freshwater service provider, local ecological environment bureaus and enterprises. For example, in August 2025, the site communicates its sustainable water stewardship performance with community resident through meeting about community water stewardship, the site' behave on water stewardship, etc. ***Finding No: TNR-020604***	
2.4	*Demonstrate the site's responsiveness and resilience to respond to water risks*	
2.4.1	*A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.*	Yes
Comment	1. The emergency plan for sudden environmental events has been formulated, including special emergency plans for chemical and hazardous waste leakage and its disposal of cleaning wastewater, wastewater pipeline leakage, etc., and has been registered with local ecological environment bureau, No.110112-2025-089-L. 2. Several emergency response SOP has established, such as Sudden Public Health Emergency Plan, Wastewater Station Emergency Plan. 3. A series of business continuity control procedures have been developed by referring to water quality and water supply emergencies identified by water-related infrastructure.	
2.4.2	*Advanced Indicator* *A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.*	Yes

Comment	In August 2025, the site updated its existing emergency response plans for typhoons and flood prevention in response to the risks posed by extreme weather under climate change. During this period, communication was conducted with the park management committee. The park's emergency response plans, the list of personnel in the command center, and an overview of flood prevention and typhoon prevention information for the park were collected. This included the contact information and communication numbers of the flood prevention contact persons for each enterprise within the park, the statistics of flood prevention materials for each enterprise, and the information on the flood prevention rescue teams for each enterprise within the park.

3	STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	*Implement plan to participate positively in catchment governance.*	
3.1.1	*Evidence that the site has supported good catchment governance shall be identified.*	Yes
Comment	1. The site actively cooperates with the government supervision department to conduct supervisory inspections and visits. 2. The site also shares the water quality monitoring reports of the stakeholder, such as surrounding enterprises, local government. 3. The site shared their AWS system and Water Stewardship Plan with local government.	
3.1.2	*Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.*	Yes
Comment	The water rights are respected under legal and regulatory mechanisms, and there are no indigenous people in the catchment area.	
3.2	*Implement system to comply with water-related legal and regulatory requirements and respect water rights.*	
3.2.1	*A process to verify full legal and regulatory compliance shall be implemented.*	Obs.
Comment	The site has prepared 'AWS Management System Manual', which defines the water stewardship responsibilities of each department. the site has also established a procedure to ensure the operation of the site meet the provisions of relevant laws, regulations and other requirements, DOC-15608. EHS department is in charge of collecting and reviewing the relevant laws, regulations and other requirements quarterly. The conformance evaluation is conducted quarterly by EHS department. According to IPE and monitoring reports, the facility operated in accordance with laws and regulations.	
3.2.2	*Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.*	Yes
Comment	The site has also established a procedure to ensure the operation of the site meet the provisions of relevant laws, regulations and other requirements, DOC-15608. EHS department is in charge of collecting and reviewing the relevant laws, regulations and other requirements quarterly. The conformance evaluation is conducted quarterly by EHS department. The site has developed a water quality monitoring plan, including discharged wastewater, domestic wastewater to ensure that the drainage water quality and pollutant concentrations meet the requirements of laws and regulations. A brief summary of monitoring point information and monitoring frequency is as follows: 1. The site has established water quality pollution management regulations, which include outsourced monitoring requirements for discharged water quality, including parameters and frequency. 2. The site has installed online monitoring facilities at the wastewater discharge outlet to monitor the parameters of the discharged wastewater in real time. 3. According to the water quality monitoring plan, the site entrusts a third-party laboratory to test its various water quality quarterly. According to the test report and analysis record provided by the site, the water quality is 100% in line with law requirement in 2024. The parameters included pH, COD, ammonia nitrogen, TN, TP, Suspended solids, sulfides, animal and vegetable oils, BOD, anionic surfactants, color/dissolved solids.	

3.3 *Implement plan to achieve site water balance targets.*

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

Comment: The site has developed a Water Stewardship Plan improvement action list, which specifies targets, required actions, measurement, status, effectiveness evaluation, accountable and deadline, etc.

The site set a water usage rate target of 2.65t/t for 2024. The actual WUR target for 2024 was 2.62t/t. The factory set a WUR target of 2.71t/t for 2025.

The site analyzed its value creation resulting from the implementation of water stewardship plan, especially the implementation of water-saving projects.
For example, the site implemented a total of 9 water-saving projects in 2025, including Project for Reducing Steam Consumption through Waste Heat Heating and the water saving is 2m³ per day; Improve the efficiency of using purified water and the water saving is 700m³ per month; Adjust the frequency of soft water backwashing operation and the water saving is 1800m³ per year, etc.

In 2024, 11 water-saving projects were identified and completed, which saved approximately 92,000 tons of water per year. Such as Recycle the softening water of bacterial virus elimination machines which save 2,482 tons water; 8# Filling Machine and Feeding Line Combined Cleaning Project which save 9,300 tons water, etc.

3.3.2 *Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.* Yes

Comment: The site has developed a Water Stewardship Plan improvement action list, which specifies targets, required actions, measurement, status, effectiveness evaluation, accountable and deadline, etc. The site analyzed its value creation resulting from the implementation of water stewardship plan, especially the implementation of water-saving projects.
The site set a water usage rate target of 1.0L/kg for 2024. However, due to changes in product types and production volume, the target was not achieved. The actual WUR target for 2024 was 1.13L/kg. The factory set a WUR target of 1.08L/kg for 2025.

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

Comment: No legally-binding documentation is issued by local government authorities to the site for the re-allocation of water to social, cultural or environmental needs.

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

Comment: The site does not perform this indicator.

3.4 *Implement plan to achieve site water quality targets*

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

Comment

The site has also established a procedure to ensure the operation of the site meet the provisions of relevant laws, regulations and other requirements, S\DS019-9.5.3-1(18)-2025-0. EHS department is in charge of collecting and reviewing the relevant laws, regulations and other requirements quarterly. The conformance evaluation is conducted quarterly by EHS department.
The site has developed a water quality monitoring plan, including rainwater, discharged wastewater, domestic wastewater to ensure that the drainage water quality and pollutant concentrations meet the requirements of laws and regulations. A brief summary of monitoring point information and monitoring frequency is as follows:
• Discharged wastewater
1. the site has established water quality pollution management regulations, which include outsourced monitoring requirements for discharged water quality, including parameters and frequency.
2. the site has installed online monitoring facilities at the wastewater discharge outlet to monitor the parameters of the discharged wastewater in real time.
• Rainwater discharge
the site has invited a third party to monitor the rainwater discharge: pH, COD, SS once per quarter.
• Environmental water quality
The site respectively selects 4 points of the Beiyun River (final receiving water body) and arranges the water quality testing by trusts external agencies once per year (test parameters include permanganate, TP, TN, COD, NH3-N, Dissolved Oxygen).

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

Yes

Comment

1. In 2024, sludge drying project is set to reduce the wastewater. The moisture content of the sludge was reduced to 30%, effectively solving the problem of wastewater treatment. This project will continue to operate in the future. The project is also adopted by the group and was then promoted in all factories.
2. In 2025, the sewage treatment plant adopts the biological catalyst technology, which can enhance the aerobic system, thereby improving the treatment efficiency of the aerobic system, while reducing the amount of sludge produced and the usage of chemical agents. This project will continue to operate in the future.

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

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

Yes

Comment

1. In 2025, the site organized 6 'river patrol' activities around the ditches and rivers in the catchment.
On 5 March 2025, the site organized 'river patrol' activity for Wuxing Ditch and Liuda Ditch which are around the facility. Totally 20 persons attended the activity and collected approximately 10 kilograms of garbage.
On 5 June 2025, the site organized 'river patrol' activity with community residents and surrounding enterprises for Yuwu Ditch which is around the nearby community. Totally 20 persons attended the activity and collected approximately 15 kilograms of garbage.
2. The site respectively selects 4 points of the Beiyun River (final receiving water body) and arranges the water quality testing by trusts external agencies once per year (test parameters include permanganate, TP, TN, COD, NH3-N, Dissolved Oxygen).

3.5.2 *Advanced Indicator*
Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including where appropriate cultural values from a site-selected baseline date shall be identified. Restored areas may be outside of the site, but within the catchment.

N/A

Comment

The site does not perform this indicator.

3.5.3	*Advanced Indicator* *Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.*	N/A
Comment	The site does not perform this indicator.	
3.6	*Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.*	
3.6.1	*Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.*	Yes
Comment	1. The WASH installations fully comply with the national "Hygienic Standards for the Design of Industrial Enterprises" (GBZ 1-2010) and "Standards for Drinking Water Quality" (GB5749-2022). 2. The site conducts WBCSD self-assessment to evaluate the level of onsite WASH and the final result was 1.9 (full score 2.0). 3. The site carried out a questionnaire survey on employee satisfaction regarding drinking water, sanitation, and facilities, and the site conducted correction according to the survey, such as fixing potable water machine and cleaning the toilet. 4. The site has set up an internal channel for employees in the service center, and employees can feedback their opinions on WASH. 5. The site conducts regular testing of drinking water and secondary water supply to ensure safe drinking water. 6. The site has formulated the water dispenser management procedure which includes requirements for water quality monitoring, regular maintenance, daily cleaning and disinfection, and relevant records are retained for tracking.	
3.6.2	*Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.*	Yes
Comment	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 the site's employees, local community and local government authorities.	
3.6.3	*Advanced Indicator* *A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be identified.*	N/A
Comment	The site does not perform this indicator.	
3.6.4	*Voluntary Advanced Indicator:* *In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.*	N/A
Comment	The site does not perform this indicator.	
3.7	*Implement plan to maintain or improve indirect water use within the catchment:*	
3.7.1	*Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.*	No

Comment

Indirect water use targets have been set in the water stewardship plan.
1. The site conducted a questionnaire survey on its existing suppliers (top 28) and analyzed their indirect water use based on the survey questionnaire. Based on the water risk assessment results of the suppliers, 9 key suppliers were selected to be kept attention.
2. The site has screened suppliers /service providers' IPE violation records (top 28). 8 suppliers have violation records and the facility had pushed them to take corrective action.

Finding No: TNR-020680

3.7.2 *Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.*

Yes

Comment

Indirect water use targets have been set in the water stewardship plan.
1. The site conducted a questionnaire survey on its existing suppliers (top 28) and analyzed their indirect water use based on the survey questionnaire. Based on the water risk assessment results of the suppliers, 9 key suppliers were selected to be kept attention.
2. The site has screened suppliers /service providers' IPE violation records (top 28). 8 suppliers have violation records and the facility had pushed them to take corrective action.

3.7.3 *Advanced Indicator*
Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and evaluated.

Yes

Comment

Indirect water use targets have been set in the water stewardship plan.
1. The site conducted a questionnaire survey on its existing suppliers (top 28) and analyzed their indirect water use based on the survey questionnaire. Based on the water risk assessment results of the suppliers, 9 key suppliers were selected to be kept attention.
2. The site has screened suppliers /service providers' IPE violation records (top 28). 8 suppliers have violation records and the facility had pushed them to take corrective action.

3.8 *Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.*

3.8.1 *Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.*

Yes

Comment

The site actively cooperates with the government supervision department to conduct supervisory inspections and visits.
The site keeps close contact with local water-related infrastructure owners through many ways such as meeting or phone call.

3.9 *Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.*

3.9.1 *Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.*

Yes

Comment

1. The site has developed its 'AWS Management System Manual' to standardize its water stewardship activities.
2. the site has established an Environment and Water Stewardship Committee to coordinate its environmental and water stewardship related affairs. An organization chart of the environment and water stewardship management team established, including the manager representative of the water stewardship and the responsible department.
3. On 26-27 June 2025, the site invited a third party to carry out a two-day training on water stewardship standards to help it implement and improve its water stewardship system.
4. On 13-14 May 2025, three factory representatives went to a sister factory to visit and learn about the AWS management experience, as well as to study advanced technologies, such as wastewater treatment and water-saving techniques.
5. In April 2025, the site arranged training on water stewardship standards for internal staff.

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

Comment

The site has developed a Water Stewardship Plan improvement action list, which specifies targets, required actions, measurement, status, effectiveness evaluation, accountable and deadline, etc.
The site set a water usage rate target of 2.65t/t for 2024. The actual WUR target for 2024 was 2.62t/t. The factory set a WUR target of 2.71t/t for 2025.
The site analyzed its value creation resulting from the implementation of water stewardship plan, especially the implementation of water-saving projects.
For example, the site implemented a total of 9 water-saving projects in 2025, including Project for Reducing Steam Consumption through Waste Heat Heating and the water saving is 2m³ per day; Improve the efficiency of using purified water and the water saving is 700m³ per month; Adjust the frequency of soft water backwashing operation and the water saving is 1800m³ per year, etc.
In 2024, 11 water-saving projects were identified and completed, which saved approximately 92,000 tons of water per year. Such as Recycle the softening water of bacterial virus elimination machines which save 2,482 tons water; 8# Filling Machine and Feeding Line Combined Cleaning Project which save 9,300 tons water, etc.

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

Comment

The site has also established a procedure to ensure the operation of the site meet the provisions of relevant laws, regulations and other requirements, S\DS019-9.5.3-1(18)-2025-0. EHS department is in charge of collecting and reviewing the relevant laws, regulations and other requirements quarterly. The conformance evaluation is conducted quarterly by EHS department.
The site has developed a water quality monitoring plan, including rainwater, discharged wastewater, domestic wastewater to ensure that the drainage water quality and pollutant concentrations meet the requirements of laws and regulations. A brief summary of monitoring point information and monitoring frequency is as follows:
• Discharged wastewater
1. The site has established water quality pollution management regulations, which include outsourced monitoring requirements for discharged water quality, including parameters and frequency.
2. The site has installed online monitoring facilities at the wastewater discharge outlet to monitor the parameters of the discharged wastewater in real time.
• Rainwater discharge
the site has invited a third party to monitor the rainwater discharge: pH, COD, SS once per quarter.
• Environmental water quality
The site respectively selects 4 points of the Beiyun River (final receiving water body) and arranges the water quality testing by trusts external agencies once per year (test parameters include permanganate, TP, TN, COD, NH3-N, Dissolved Oxygen).

3.9.4 *Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.* Yes

Comment

1. In 2025, the site organized 6 'river patrol' activities around the ditches and rivers in the catchment.
On 5 March 2025, the site organized 'river patrol' activity for Wuxing Ditch and Liuda Ditch which are around the facility. Totally 20 persons attended the activity and collected approximately 10 kilograms of garbage.
On 5 June 2025, the site organized 'river patrol' activity with community residents and surrounding enterprises for Yuwu Ditch which is around the nearby community. Totally 20 persons attended the activity and collected approximately 15 kilograms of garbage.
2. The site respectively selects 4 points of the Beiyun River (final receiving water body) and arranges the water quality testing by trusts external agencies once per year (test parameters include permanganate, TP, TN, COD, NH3-N, Dissolved Oxygen).

3.9.5	*Actions towards achieving best practice related to targets in terms of WASH shall be implemented.*	Obs.
Comment	1. The WASH installations fully comply with the national “Hygienic Standards for the Design of Industrial Enterprises” (GBZ 1-2010) and "Standards for Drinking Water Quality" (GB5749-2022). 2. The site conducts WBCSD self-assessment to evaluate the level of onsite WASH and the final result was 1.9 (full score 2.0). 3. The site carried out a questionnaire survey on employee satisfaction regarding drinking water, sanitation, and facilities, and the site conducted correction according to the survey, such as fixing potable water machine and cleaning the toilet. 4. The site has set up a internal channel for employees in the service center, and employees can feedback their opinions on WASH. 5. The site conducts regular testing of drinking water and secondary water supply to ensure safe drinking water. 6. The site has formulated the water dispenser management procedure which includes requirements for water quality monitoring, regular maintenance, daily cleaning and disinfection, and relevant records are retained for tracking.	
3.9.6	*Voluntary Advanced Indicator* *Achievement of identified best practice related to targets in terms of good water governance shall be quantified.*	Yes
Comment	1. The site has developed its 'AWS Management System Manual' to standardize its water stewardship activities. 2. The site has established an Environment and Water Stewardship Committee to coordinate its environmental and water stewardship related affairs. An organization chart of the environment and water stewardship management team established, including the manager representative of the water stewardship and the responsible department. 3. The site is awarded the honor of "Water-saving unit" by Beijing Municipal Water Resources Bureau in 2024.	
3.9.7	*Voluntary Advanced Indicator* *Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.*	N/A
Comment	The site does not perform this indicator.	
3.9.8	*Voluntary Advanced Indicator* *Achievement of identified best practices related to targets in terms of water quality shall be quantified*	N/A
Comment	The site does not perform this indicator.	
3.9.9	*Voluntary Advanced Indicator* *Achievement of identified best practices related to targets in terms of the site’s maintenance of Important Water-Related Areas have been implemented.*	N/A
Comment	The site does not perform this indicator.	
3.9.10	*Voluntary Advanced Indicator* *Achievement of identified best practice related to targets in terms of WASH shall be quantified.*	Yes

Comment	1. The WASH installations fully comply with the national “Hygienic Standards for the Design of Industrial Enterprises” (GBZ 1-2010) and "Standards for Drinking Water Quality" (GB5749-2022). 2. The site conducts WBCSD self-assessment to evaluate the level of onsite WASH and the final result was 1.9 (full score 2.0). 3. The site carried out a questionnaire survey on employee satisfaction regarding drinking water, sanitation, and facilities, and the site conducted correction according to the survey, such as fixing potable water machine and cleaning the toilet. 4. The site has set up a internal channel for employees in the service center, and employees can feedback their opinions on WASH. 5. The site conducts regular testing of drinking water and secondary water supply to ensure safe drinking water. 6. The site has formulated the water dispenser management procedure which includes requirements for water quality monitoring, regular maintenance, daily cleaning and disinfection, and relevant records are retained for tracking.	
3.9.11	*Voluntary Advanced Indicator* *A list of efforts to spread best practices shall be identified.*	N/A
Comment	The site does not perform this indicator.	
3.9.12	*Voluntary Advanced Indicator* *A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.*	Yes
Comment	1. In 2025, the site organized 6 ‘river patrol’ activities around the ditches and rivers in the catchment. 2. On 5 March 2025, the site organized ‘river patrol’ activity for Wuxing Ditch and Liuda Ditch which are around the facility. Totally 20 persons attended the activity and collected approximately 10 kilograms of garbage. 3. On 5 June 2025, the site organized ‘river patrol’ activity with community residents and surrounding enterprises for Yuwu Ditch which is around the nearby community. Totally 20 persons attended the activity and collected approximately 15 kilograms of garbage. 4. The site respectively selects 4 points of the Beiyun River (final receiving water body) and arranges the water quality testing by trusts external agencies once per year (test parameters include permanganate, TP, TN, COD, NH3-N, Dissolved Oxygen). 5. In April 2025, the site collaborated with its Wuhan brother company and carried out an ecological area conservation activity at the Wuhan factory (in the Yangtze River Basin), planting in the vegetable gardens and flower beds. Through this activity, the employees are aware of the pollution risks of pesticides and fertilizers to water bodies and learned about scientific and environmentally friendly farming methods.	
3.9.13	*Voluntary Advanced Indicator* *Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.*	N/A
Comment	The site does not perform this indicator.	

4	STEP 4: EVALUATE - Evaluate the site's performance.	
4.1	*Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.*	
4.1.1	*Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.*	Yes
Comment	The site Water Stewardship Plan specifies the requirements of evaluating site performance and its contribution to achieving water stewardship results based on the objectives of the water stewardship plan. The water stewardship plan states that each objective can be associated with several main outcomes of the standard. Each objective has defined good practices, actions, targets, cost/benefit, desired outcomes, responsible party, partners, start date, end date, status and priority. A management review was conducted in August 2025 to summarize the overall environmental performance in 2024, and the environmental performance in 2024 was summarized, which included water stewardship. review water stewardship plan and check each performance of targets in the plan.	
4.1.2	*Value creation resulting from the water stewardship plan shall be evaluated.*	Yes
Comment	The site analysed its value creation resulting from the implementation of water stewardship plan, especially the implementation of water-saving projects. For example, in 2024, 11 water-saving projects were identified and completed, which saved approximately 92,000 tons of water per year. Such as Recycle the softening water of bacterial virus elimination machines which save 2,482 tons water; 8# Filling Machine and Feeding Line Combined Cleaning Project which save 9,300 tons water, etc	
4.1.3	*The shared value benefits in the catchment shall be identified and where applicable, quantified.*	Yes
Comment	Provide knowledge sharing to supply chain in and outside the catchment to pay attention to or carry out AWS, enhance their understanding of AWS, and provide support for suppliers in AWS management activities. The site analyzed its value creation resulting from the implementation of water stewardship plan, for example 1. In 2024, 11 water-saving projects were identified and completed, which saved approximately 92,000 tons of water per year. 2. Help to treat about 97500 cubic meter wastewater from other company.	
4.1.4	*Advanced Indicator* *A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be identified.*	N/A
Comment	The site does not perform this indicator.	
4.2	*Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.*	
4.2.1	*A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.*	Yes

Comment	The site presents its emergency response procedure and plan identifying proposed preventive and corrective actions, as well as measures to mitigate future incidents. 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.*	No
Comment	The site communicates its sustainable water stewardship performance with various stakeholders through WeChat account, symposiums, interviews, and questionnaires, including wastewater treatment service providers, local ecological environment bureaus, client and enterprises. ***Finding No: TNR-020681***	
4.3.2	*Voluntary Advanced Indicator* *The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.*	N/A
Comment	The site does not perform this indicator.	
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.*	No
Comment	The site has developed a 'AWS Management System Manual', which specifies that its water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations annual. ***Finding No: TNR-022075***	

5	STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	*Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.*	
5.1.1	*The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.*	Yes
Comment	The site discloses the AWS Sustainable water Stewardship Report on the corporate website, which includes the responsible person and department for sustainable water stewardship. https://www.mengniu.com.cn/contact/detail/24858.html	
5.2	*Communicate the water stewardship plan with relevant stakeholders.*	
5.2.1	*The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.*	Yes
Comment	The site discloses the AWS Sustainable Water Stewardship Report on the corporate website. The site also communicates the water stewardship plan through various channels, such as stakeholder visits, online meetings. https://www.mengniu.com.cn/contact/detail/24858.html	
5.3	*Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.*	
5.3.1	*A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.*	Yes
Comment	The site discloses the AWS Sustainable Water Stewardship Report on the corporate website, which including quantified performance against targets. https://www.mengniu.com.cn/contact/detail/24858.html	
5.3.2	*Advanced Indicator* *The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.*	Yes
Comment	In the 2024 Sustainable report of the parent company Mengniu Group, the efforts and benefits of implementing AWS standards by subsidiary companies including Mengniu Hi-Tech were disclosed.	
5.3.3	*Voluntary Advanced Indicator* *Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.*	N/A
Comment	The facility does not perform this indicator.	
5.4	*Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges;engagement with stakeholders; and co-ordination with public-sector agencies.*	
5.4.1	*The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.*	Yes

Comment	The site disclosed the shared water-related challenges and the effort to address shared water challenges on the corporate website. https://www.mengniu.com.cn/contact/detail/24858.html The site also shared the related information through various channels, such as stakeholder visits, online meetings.	
5.4.2	*Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.*	Yes
Comment	To engage stakeholders and support catchment governance, river cleaning was carried out, AWS training for supplier was carried out. The pictures of this activities and training materials were provided.	
5.5	*Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.*	
5.5.1	*Any site water-related compliance violations and associated corrections shall be disclosed.*	Yes
Comment	In IPE website, no compliance violations record was found since 2004.	
5.5.2	*Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.*	Yes
Comment	In IPE website, no compliance violations record was found since 2004.	
5.5.3	*Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.*	Yes
Comment	In IPE website, no compliance violations record was found since 2004.	

Previous Findings

	All non-conformities raised in the previous audit have been satisfactorily closed.	N/A
Comment	N/A as this is Initial Certification Audit.	