CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001748

WSAS WATER STEWARDSHIP ASSURANCE SERVICES

SITE DETAILS

Site: **Boehringer Ingelheim Shanghai Pharmaceuticals Co., Ltd.**
Address: No. 1010, Longdong Avenue, Pilot Free Trade Zones, 201203, Shanghai, Shanghai, P.R. CHINA
Contact Person: Tommy Shen
AWS Reference Number: AWS-000801
Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Core
Date of certification decision: 2025-Nov-26
Validity of certificate: 2028-Nov-25

AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)
Audit Type(s): Initial Audit
Audit Start Date: 2025-Sep-02
Audit End Date: 2025-Sep-03
Lead Auditor: Lorry Long

Audit team participants:
Nemo Fang

Site Participants:
Mr. Chen, EHS Manager
Mr. Shen, Associate EHS Manager
Mr. Wang, Technical Operations Director
Mr. Xu, EHS Supervisor
Ms. Chen, Sourcing Manager
Ms. Hou, EHS Supervisor
Mr. Yang, Infrastructure & Utility Engineer
Mr. Diao, Infrastructure & Utility Manager
Mr. Ma, REFM Site Supervisor
Mr. Ma, Assistant Infra. & Utility Engineer

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ADDITIONAL INFO

Summary of Audit Findings: During the certification audit 1 of non-conformity 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 by 10/09/2025.

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 17/11/2025].

The audit team recommends certification of Boehringer Ingelheim Shanghai Pharmaceuticals Co., Ltd. at Core level pending approval of the corrective actions plan and closure of the non-conformities.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of Boehringer Ingelheim Shanghai Pharmaceuticals Co., Ltd. against the AWS International Water Stewardship Standard Version 2.

The site, Boehringer Ingelheim Shanghai Pharmaceuticals Co., Ltd. was established in 1998, is located at No. 1010, Longdong Avenue, Pilot Free Trade Zones, Shanghai, China, covering the land area of 240000 square meters, with about 250 employees. The site includes 5 package production lines and 1 manufacturing line, the production capability is 100 million boxes per year. The site is a pharmaceutical plant, and their products cover important therapeutic areas such as respiratory, cardiovascular metabolism, central nervous system, oncology, and dermatology. The main products include Otangning, Mobike, Aiquanle, and Meikasu. The manufacturing process mainly includes mixing, tableting, packing.
The site only uses municipal water supplied by four water plants: Lingqiao water plant, Jinhai water plant, Jujiaqiao water plant and Linjiang water plant, all the water plants were operated by Pudong Weiliya Water Co., Ltd. The ultimate water source of all plants is Qingcaosha reservoir.
The wastewater generated in the site includes industrial wastewater and domestic sewage. The site also has one wastewater water treatment plant. The wastewater will be treated by onsite WWTP, and then discharge to Bailonggang Wastewater Treatment Plant for further treatment. Afterwards, it finally flows into the Yangtze River.
The audit was conducted onsite on 02-03/09/2025.
The onsite site visit included the site visit covering production lines, wastewater treatment plant, chemical warehouse, stakeholder interviews, and documents review.

FINDINGS

Observation	1
Observation	1
Non-Conformity	1

FINDING DETAILS

Finding No:	TNR-022372
Checklist Item No:	1.7.1
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	It is suggested that the site add the timeframe and potential costs in the spreadsheet.

Finding No:	TNR-020188
Checklist Item No:	3.6.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-17
Checklist item:	Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.
Findings:	The site provided direct drinking water and bottled drinking water for employees but did not post the drinking water testing report around the bottled drinking water facilities.
Corrective action:	Post the water quality monitoring report around the bottled water facility.
Evidence of implementation:	The facility had posted the water quality monitoring report around the bottled drinking water facility.

Finding No:	TNR-020189
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:	It is suggested that the site conduct test for drinking water of all direct drinking water point.

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WSAS WATER STEWARDSHIP ASSURANCE SERVICES

Report Details

Report	Value
Report prepared by	Lorry Long
Report approved by	Siew M. LEONG
Report approved on (Date)	26/11/2025

Surveillance

Proposed date for next audit
2026-Sep-02

Comment The first surveillance audit is proposed to be performed on 02/09/2026.

Stakeholder Announcements

Date of publication	Location
30/06/2025	https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.tuv.com%2Fcontent-media-files%2Fgreater-china%2Fabout-us%2Fdownloads%2Faws-000801_boehringer-ingelheim-(china)-investment-co.-ltd._stakeholderannouncement_monthyy_v3.0-billingual.docx&wdOrigin=BROWSELINK
30/06/2025	https://a4ws.org/wp-content/uploads/2025/07/AWS-000801_Boehringer-Ingelheim-China-Investment-Co.-Ltd._StakAnn.pdf
30/06/2025	Published at the bulletin board and canteen

Catchment Information

Taihu lake Shanghai section.png

0 Catchment boundary.jpg

Catchment Information

Introduction to the Taihu Basin
Taihu Basin is located in the south wing of the Yangtze river delta, administrative division belongs to jiangsu province, zhejiang province, shanghai and anhui province, the total area of 36895km2, accounting for 0.4% of the national area. Basin to Taihu Lake as the center, was around the high, low in the middle of the dish-shaped terrain, the main camas creek, south river, Tao Ge Ge, Huangpu River, through the Yangtze River and Hangzhou Bay and other water systems. Taihu Basin is China's most economically developed, the most densely populated, ecological environment has an important demonstration of one of the regions.
Economic value: Covering southern Jiangsu, northern Zhejiang and most of Shanghai, the Taihu Basin is one of the most economically dense regions in China, contributing about 15% -20% of the country's GDP, clustering the core cities of the Yangtze River Delta (e.g., Shanghai, Suzhou, Wuxi, and Hangzhou), and serving as the core agglomeration area for the country's manufacturing, financial, and high-tech industries.
Social Value: With a resident population of more than 150 million, an urbanization rate of more than 70% (much higher than the national average), perfect urban and rural infrastructure, and abundant public service resources such as education, medical care, science and technology, the watershed is one of the regions in China with the highest quality of urbanization and the most mature development of urban-rural integration. It is one of the regions with the highest quality of urbanization and the most mature development of urban-rural integration in China. It has nurtured distinctive regional cultures such as Wu culture, Yue culture and Jiangnan water town culture, and has a large number of cultural heritages such as Suzhou gardens, Hangzhou West Lake and Zhouzhuang Ancient Town.
Ecological value: As an important freshwater lake in the middle and lower reaches of the Yangtze River, Taihu Lake has the role of regulating floods, conserving water, regulating the distribution of regional water resources through the network of rivers in the basin (e.g., the Beijing-Hangzhou Grand Canal and the Taipu River), and guaranteeing water supply in the dry season and flood control in the rainy season, making it a core part of the Yangtze River Delta's flood control system. The lakes and the surrounding wetlands and forests form a complex ecosystem with the functions of purifying water, sequestering carbon and releasing oxygen, and maintaining biodiversity, etc. The basin has a number of national nature reserves and wetland parks, and it is an important station for migratory birds.
Challenges and Management: In 2024, the per capita integrated water consumption in the Taihu Basin will be 152 cubic meters, which is only about 8% of the national per capita water consumption (1,918.8 cubic meters). The shortage of water resources in the Taihu Basin is much smaller than the actual total water consumption, which is mainly compensated by the transfer of water from the Yangtze River and upstream and downstream reuse.
The Lake Tai Basin faces challenges of water scarcity, pollution, and the effects of climate change. To address these challenges, the Lake Tai Basin has implemented an integrated water resources management strategy, including water resource protection, pollution control and ecological restoration programs.
In conclusion, the Taihu Basin is an area of significant ecological, economic and cultural value. Its sustainable management is essential to ensure water security, protect the environment and support regional development.
The Taihu Basin in the Shanghai area enters from Zhao-tun in Qingpu District, passes through Wusong River, hippodrome, hippodrome, Luo hippodrome, Xinchuansha River, and enters into Huangpu River by Waibaidu Bridge, and has a length of about 53 kilometers in the territory of Shanghai, with a width of the river generally between 50 meters and 70 meters, flowing through 8 districts, such as Qingpu, Jiading, Minhang, Changning, Putuo, Jing'an, Huangpu, Hongkou, and so on, and it is the backbone of the river throughout the urban area of Shanghai, which is also the " Mother River" of Shanghai. Mother River".

Client Description and Site Details

Client/Site Background

The site, Boehringer Ingelheim Shanghai Pharmaceuticals Co., Ltd. was established in 1998, is located at No. 1010, Longdong Avenue, Pilot Free Trade Zones, Shanghai, China, covering the land area of 240000 square meters, with about 250 employees. The site includes 5 package production lines and 1 manufacturing line, the production capability is 100 million boxes per year. The site is a pharmaceutical plant, and their products cover important therapeutic areas such as respiratory, cardiovascular metabolism, central nervous system, oncology, and dermatology. The main products include Otangning, Mobike, Aiquanle, and Meikasu. The manufacturing process mainly includes mixing, tableting, packing.

The site only uses municipal water supplied by four water plants: Lingqiao water plant, Jinhai water plant, Jujiaqiao water plant and Linjiang water plant, all the water plants were operated by Pudong Weiliya Water Co., Ltd. The ultimate water source of all water plants is Qingcaosha reservoir.

The wastewater generated in the site includes industrial wastewater and domestic sewage. The site also has one wastewater water treatment plant. The wastewater will be treated by onsite WWTP, and then discharge to Bailonggang Wastewater Treatment Plant for further treatment. Afterwards, it finally flows into the Yangtze River.

The site had a pure water systema which relying on the existing water supply system to generate pure water, and the generated water is used for mold cleaning and laboratory. The site also had a reclaimed water reuse system to collect the concentrated water from the first-stage RO and cooling tower drainage and treated to reuse for greening and cooling tower water replenishment. Two cooling towers with a circulation capacity of 300m ^{3} /h have been built, mainly for the air conditioning system. One fire pool with capacity of 700 m3 also was used in the facility. The fire water is from municipal water plants.

All the rainwater and sewage discharge outlets of the site are located on Li Shizhen Road. Two wastewater discharge outlets are set up on the southeast and southwest sides respectively, and two stormwater discharge outlets are set up on the southeast and southwest sides respectively. The drainage system implements the separation of rainwater and sewage. The rainwater flows through the municipal stormwater network to Zhangjia River and eventually joins the Yangtze River Estuary.

site layout with potential pollutant source.jpg

site map.png

Summary of Shared Water Challenges

Summary of Shared Water Challenges
The site identified the shared water challenges via catchment report and the engagement of stakeholders (questionaries, seminar and visiting etc..).
The shared water challenges include:
1. Water stress leads to production disruptions. Level 4
2. Gradual increase in environmental requirements. Level 3
3. The intensification of climate change may lead to frequent extreme weather events. Level 2
4. Deterioration of surface and groundwater quality. level 2
5. Ecosystems are less resilient to disturbance and vulnerable to destruction. level 1
Meanwhile, based on the analysis of relevance/rationale for stakeholders and relevance/rational for the site, the site has prioritized the shared challenges. The risk level went from low (Level 1) to high (Level 4). The level of risk is determined by attention, impact, and outcome.

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.*	No
Comment	Due to the water sources and the final wastewater discharge points being controlled by water supply and wastewater treatment infrastructure, which are located at a considerable distance from the site, and constrained by the audit schedule, the audit team is unable to visit these external areas.	

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 has developed a Background Investigation Report, and it contains the physical scope of the site. It contains: • Map of site boundaries with the source of water supply and discharge points of wastewater and rainwater. • Map of water-related infrastructures at the site such as pipeline, wastewater treatment plant. • Map of water supply: 4 water plants (Jiujiaqiao Water Plant, Jinhai Water Plant, Lingqiao Water Plant, and Linjiang Water Plant) form a water supply circle, and the site draws water from the circle). And their ultimate water source: Qingcaosha Reservoir, Shanghai City. • Map of municipal WWTP (Shanghai Bailonggang Wastewater Treatment Plant) and its ultimate receiving water body (Yangtze River). • Map of catchment that the site affects and is reliant upon for water (Taihu Basin).	
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 has established Boehringer Ingelheim Shanghai Pharmaceuticals AWS Management Manual (Document No.: Nil, Version: 3.0, issue date: 25 August 2025), identification scope of stakeholders is clarified.
The site has identified stakeholders such as the government, employees, NGOs, surrounding residents, suppliers, infrastructures, and surrounding companies.
The site has developed an analysis table of stakeholders, and has established diversified communication channels with different stakeholders, such as phone calls, e-mails, meetings, questionnaires, visits, supplier reviews, and government official websites.
The site also consulted different types of stakeholders on the shared water challenge through questionnaires.

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

The site 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

The site has developed a comprehensive response plan for environmental emergencies, including special emergency response plans for chemical and hazardous waste leakage and its wastewater treatment, wastewater pipeline leakage, which are all related to water. The plan has registered with Shanghai Pudong New Area Ecological Environment Bureau, No.02-310115-2023-285-L.
The site has prepared a comprehensive emergency plan for production safety, including response procedures for natural disasters (such as flood, rainstorm, typhoon and earthquake).
The site has also developed a water cut-off emergency plan, identified the response process for sudden water supply anomalies such as water quality abnormalities, power outages, water supply pipeline leaks, water supply facility failures, and water storage facility leaks at the site.
The site prepares an 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.

1.3.2 *Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped*

Yes

Comment

The site has recorded the income and input and output data via meter reading, evaporated water and loss water via estimation or calculation, and developed a water balance map based on the data. The water balance map reflected the water inflows, losses, reuses and outflows.
The site tracks the readings of each water meter every day and carries out water balance analysis every year.

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

The site has recorded the income and input and output data via meter or estimation, and developed a water balance map based on the data. The water balance map reflected the water inflows, losses, reuses and outflows.
The site tracks the readings of each water meter every day and carries out water balance analysis every year. The input, loss, storage and output of water are quantified. And analyzed the annual trend of changes.

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

Comment

The site has developed a water quality monitoring inventory, which includes monitoring requirements for sewage, incoming water, drinking water, recycled water, and pure water for production, including monitoring points, monitoring methods, pollutant names, monitoring frequency, and control standards. For example:
1) Domestic wastewater and industrial wastewater:
• According to the requirements of the wastewater discharge permit, the site regularly entrusts a third-party laboratory to test the discharged wastewater
• The site has installed online monitoring facilities at the wastewater discharge outlet to monitor COD and ammonia nitrogen per 6 hours, PH and residual chlorine in real-time.
2) Drinking water
• The site entrusts a third-party laboratory twice a year to test the water quality of the secondary water supply in the site area.
• The site provides employees with free drinking water, equipped with 16 water dispensers, and entrusts a third-party laboratory once a year to test the quality of drinking water, in accordance with the standard: Drinking Water Hygienic standard (GB5749).
3) Rainwater:
• The site entrusts a third-party laboratory to test the water quality of rainwater outlets quarterly.
3) Environmental water quality
• The site commissions a third-party laboratory to conduct water quality monitoring of the Zhangjia River (a surrounding river, an important waterway, receiving water bodies for rainwater, and one of the IWRAs identified by the site) annually, monitoring the main pollutant parameters such as water temperature, DO, transparency, redox potential, pH, permanganate index, ammonia nitrogen, TP.
All of the testing reports are below the limit, and the variance is 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 chemical inventory, which includes information on the names, suppliers, uses, quantities, storage locations, quantities, and compatibility of the chemicals used on the site. And a map was drawn, identifying and marking the storage and use areas of chemicals.
The site has compiled an inventory of rainwater pollution sources, identified potential sources of rainwater pollution, including sewage treatment stations, hazardous waste warehouses, chemical warehouses, chemical storage areas, and drew a distribution map of potential pollution sources. 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.*	N/A

Comment

As per the site tour, document review, and interview, no IWRA is within the site.

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

Comment	The water-related costs sheet was provided for review, including 1. Water supply invoice. 2. Cost of wastewater discharge rights. 3. Wastewater treatment plant operating costs, including electricity of pumps, consumables, depreciation and maintenance of facilities, etc. 4. Water/wastewater/rainwater quality testing, peripheral water testing. 5. Operation and maintenance of wastewater online testing facilities. 6. Cost of water dispenser cartridge replacement. 7. AWS related expenses.	
1.3.8	*Levels of access and adequacy of WASH at the site shall be identified.*	Yes
Comment	The site provides a canteen for employees. Sanitation and hygiene installations and water purifiers are also installed at office buildings and all workshops. The WASH installations fully comply with the national “Hygienic Standards for the Design of 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.*	Yes
Comment	The site identified and screened the top 35 suppliers with transaction amounts and through the investigation questionnaires. The site analyzed the water related risk level of suppliers by the intensity of water consumption, water management, Environmental violation records, WWF water risk screening results. The total annual water consumption of the 5 suppliers within the catchment is approximately 87,808 tons.	
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 also collects the water consumption of its outsourced services such as hazardous waste disposal unit (142,639 m3 in Y2024), non-hazardous waste disposal unit (1,460 m3 in Y2024) and catering service provider (1,544 m3 in Y2024) through questionnaires.	
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 the Catchment Background Survey Report provided by the site; The initiatives included national, provincial and local level, including the catchment development plan, industrial development plan, environmental and ecological conservation plan etc.	
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 list of laws and regulations that contain all legal actions. 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 provides a detailed analysis of water balance for Shanghai City which covered the area of the catchments. The water balance in the catchment is analyzed based on the rainfall (mm), precipitation (m3), surface water resources (m3), groundwater resources(m3), transit water resources (m3), total water supply (m3) and total water consumption(m3). All the data is collected from government websites and publish reports. According to the Shanghai Water Resources Bulletin (2023), the precipitation is 8.12 billion cubic meters. The total water resources in Shanghai in 2023 are 4.150 billion cubic meters, an increase of 0.842 billion cubic meters from 2022. Among them, the surface water resources are 3.480 billion cubic meters, and the groundwater resources are 0.670 billion cubic meters. The amount of transit water in 2023 is 19.54 billion cubic meters, an increase of 70.1% over the multi-year average and 6.8% over the previous year. In 2023, the total water consumption in the city is 10.481 billion cubic meters, including 1.368 billion cubic meters for agricultural water consumption, 6.595 billion cubic meters for industrial water consumption, 2.418 billion cubic meters for domestic water consumption, and 0.099 billion cubic meters for ecological environmental water consumption. From 2019 to 2023, the water consumption in Shanghai remained stable. Overall, relative scarcity and uneven spatial and temporal distribution of local water resources, despite the large volume of transit water resources.	
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 related information from the government website. (Mainly from the Environmental and Ecological Bureau). The data includes the water quality of the water source, the final discharged water body, the water from municipal water plant. The data is published monthly or annually; therefore, the annual variances could be identified. The surface water environment quality in Shanghai City has improved than previous year. The water quality of main water source area in Shanghai city has not experienced any water quality non-compliance in 2024.	
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 from government published documents, including 'Ecological protection red line of Shanghai City', 'Ecological environment zoning of three lines and one list'. The status of the IWRAs is collected from the manage 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, flood control and drainage, wastewater treatment, emergency response at provincial, catchment and city levels and water-related objectives. Based on the available information, the water-related infrastructure in the catchment is relatively good.	
1.5.7	*The adequacy of available WASH services within the catchment shall be identified.*	Yes

Comment	The facility obtained the WASH status in Shanghai from Shanghai Statistical Yearbook for 2023, including the tap water penetration rate, wastewater treatment rate and other data. Overall, the WASH services is good in Shanghai City.	
1.6	*Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.*	
1.6.1	*Shared water challenges shall be identified and prioritized from the information gathered.*	Yes
Comment	The site identified the shared water challenges via Catchment Background Survey Report and the engagement of stakeholders (questionaries, seminar and visiting etc..). The shared water challenges include: 1. Water stress leads to production disruptions. Level 4 2. Gradual increase in environmental requirements. Level 3 3. The intensification of climate change may lead to frequent extreme weather events. Level 2 4. Deterioration of surface and groundwater quality. level 2 5. Ecosystems are less resilient to disturbance and vulnerable to destruction. level 1 Meanwhile, based on the analysis of relevance/rationale for stakeholders and relevance/rational for the site, the site has prioritized the shared challenges. The risk level went from low (Level 1) to high (Level 4). The level of risk is determined by attention, impact, and outcome.	
1.6.2	*Initiatives to address shared water challenges shall be identified.*	Yes
Comment	Initiatives to address shared water challenges are included in the Catchment Background Report identifies the shared challenges within the catchment. For example, the site develops the following response program to address the common water challenge of water stress: Promoting water conservation within the company; Installation of water reuse facilities; Establishing an intelligent and dynamic water monitoring system in the site; Encourage suppliers to implement water conservation measures, etc.	
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 them in a spreadsheet. They categorized the water risk into physical risk, regulatory risk and reputation risk. The spreadsheet that lists the water risks faced by the site. The site scored the frequency of the risk and severity of the impact and then multiply two scores to evaluate the level of the risk. The potential impact and control measures are also included in the spreadsheet.	
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 9 major business opportunities considering how the site may participate. The potential value includes cost saving, image enhancement, sustainability of enterprise operation, and customer trust, and ranked their importance.	
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 facility has established a best practices list to collect the best practices towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. Example collected like: Carry out study and calculation of direct water footprint.	
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 facility has established a best practices list to collect the best practices towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. Example collected like: Study for the installation of an automatic water leak detection system; smart meters with a sensor interconnected with the BMS system for leak detection, with meters that measure excessive variations in flow that deviate from the expected threshold including fire system and sprinklers.	
1.8.3	*Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.*	Yes
Comment	The facility has established a best practices list to collect the best practices towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. Example collected like: More stringent wastewater discharge limits than the permitted limits for internal control.	
1.8.4	*Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.*	Yes
Comment	The facility has established a best practices list to collect the best practices towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. Example collected like: Sponsor NGOs for wetland protection and personally participate in the protection activities.	
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 facility has established a best practices list to collect the best practices towards achieving AWS outcomes including water governance, water balance, water quality, IWRA and WASH. Example collected like: Using the WBCSD evaluation form to evaluate the WASH level of the plant.	

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 General Manager of the site. The commitment includes all the necessary element and has been displayed on Boehringer Ingelheim' Website. https://www.boehringer-ingelheim.cn/pdf/commitment-site-head-bispl	
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 has prepared its own Sustainable Water Management Manual, which defines the water management responsibilities of each department and regular process for reviewing compliance with all applicable legal and regulatory requirements. The site collected the related laws and regulations every week. The site also established Procedure for EHS Legal and Other Requirements (4015.012.01) to perform the regularly compliance assessment.	
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. 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. 1. Establish Good Water Governance Specific Target 1: Develop comprehensive water-management policies and procedures, ensuring 100 % compliance of all water intake and discharge activities with national and local laws and regulations. Specific Target 2: Enhance flood prevention and emergency-response capacity of the site and the catchment, and initiate discussions with at least one neighboring company to establish a joint flood-emergency cooperation mechanism. 2. Achieve Sustainable Water Balance Specific Target 3: Install a water-resource monitoring, metering and reporting system that keeps the difference between incoming and outgoing water volumes less than 5%, with continuous monitoring and quarterly disclosure. Specific Target 4: Reduce municipal-water consumption by at least 10 % by 2030 (2024 baseline). Specific Target 5: By 2030, encourage at least five suppliers to develop and implement water-saving programs. 3. Ensure Excellent Water Quality Specific Target 6: Implement advanced wastewater-treatment technologies to guarantee that concentrations of active pharmaceutical ingredients (APIs) in discharged effluent remain below the effect level. Specific Target 7: Ensure that all wastewater discharges meet or were better than national and local water-quality standards. 4. Protect the Health of Important Water-Related Areas (IWRAs) Specific Target 8: Guarantee that storm-water discharges comply with standards and maintain the health of IWRAs. Monitor the water quality of storm-water receiving bodies once per year and publish the data. 5. Provide Safe Water, Sanitation and Hygiene (WASH) Specific Target 9: Provide all employees with safe drinking water that meets national standards and conduct at least one WASH-awareness activity for employees. The site develops annually Water Stewardship Plan rely on the water management strategy.

2.3.2	*A water stewardship plan shall be identified, including for each target:* *- How it will be measured and monitored* *- Actions to achieve and maintain (or exceed) it* *- Planned timeframes to achieve it* *- Financial budgets allocated for actions* *- Positions of persons responsible for actions and achieving targets* *- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.*	✔ Yes
Comment	The site has developed a Water Stewardship Plan (Year 2025), 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, IWRA and WASH, such as: • Establish a flood control emergency collaboration mechanism with surrounding enterprises • Install reclaimed water reuse facilities to collect and treat the concentrated water and rainwater produced in the preparation of pure water, and then reuse them for greening, cleaning of photovoltaic panels and replenishing water for cooling towers. • Establish internal control indicators for wastewater discharge, which is 10% lower than the wastewater discharge permit requirements. • Regularly test the quality of drinking water • Cooperate with local NGO to formulate long-term cooperation plans for water ecological protection projects, and participate in water ecological protection projects within the basin at least once a year.	

2.4	*Demonstrate the site's responsiveness and resilience to respond to water risks*	
2.4.1	*A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.*	Yes
Comment	The site has established Emergency environmental emergency plan, water related topics were also included. The emergency plan had been registered in Shanghai City Pudong New District Ecological Environment Bureau. After communicating with the Zhangjiang Town Government and Zhangjiang Town River Chief Office, the site formulated a water risk mitigation and adaptation plan.	

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, participate in seminars, and training hosted by government. In 2025, the site participated in two seminars hosted by government.
2. The invited a third agency to monitor the water quality once a year of the receiving water body (Zhangjiabang River) of its rainwater and disclosed the report outside of the site.
3. On October 21, 2024, the site invited a third party to carry out a one-day training on water management standards to help it implement and improve its water management system. On February 29-March 1, 2024, 2 employees were invited to participate in a two-days' AWS Standard System Training and obtained the completion certificate.
4. In April 2023, the site was awarded the honor of National-level "Green Factory" by Industry and Information Technology Department.

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 is 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.* ✓ Yes

Comment

The site has established EHS Legal and Other Requirements (4015.012.01). The site has identified the applicable laws and regulations, and performance the compliance check. The site provided the latest identification and evaluation form of EHS laws, regulations and other requirements for review.
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 water rights are respected under legal and regulatory mechanisms, and there is no indigenous people in the catchment area.
The site has established a procedure to ensure the operation of the site meets the provisions of relevant laws, regulations and other requirements.
1) Domestic wastewater and industrial wastewater:
• According to the requirements of the wastewater discharge permit, the site regularly entrusts a third-party laboratory to test the discharged wastewater
• The site has installed online monitoring facilities at the wastewater discharge outlet to monitor COD and ammonia nitrogen per 6 hours, PH and residual chlorine in real-time.
2) Drinking water
• The site entrusts a third-party laboratory twice a year to test the water quality of the secondary water supply in the site area.
• The site provides employees with free drinking water, equipped with 16 water dispensers, and entrusts a third-party laboratory once a year to test the quality of drinking water, in accordance with the standard: Drinking Water Hygienic standard (GB5749).
3) Rainwater:
• The site entrusts a third-party laboratory to test the water quality of rainwater outlets quarterly.
3) Environmental water quality
• The site commissions a third-party laboratory to conduct water quality monitoring of the Zhangjia River (a surrounding river, an important waterway, receiving water bodies for rainwater, and one of the IWRAs identified by the site) annually, monitoring the main pollutant parameters such as water temperature, DO, transparency, redox potential, pH, permanganate index, ammonia nitrogen, TP.

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 (Year 2025), which specifies targets, required actions, measurement, status, effectiveness evaluation, accountable and deadline, etc.
The actions for improving water balance including:
1. Add a reclaimed water reuse system, to collect the concentrated water from the first-stage RO and cooling tower drainage which was previously directly discharged to municipal wastewater network. Now, it is collected and treated to reuse for greening and cooling tower water replenishment.
2. Install three-level smart water meters throughout the site to monitor the water usage and drainage at 90% water usage point, thereby supervising potential leakage and making plans for more efficient and economical water use.

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 set water consumption in the water stewardship strategy. The target is reducing water consumption by 10% in 2030 compared to 2024.

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

Legally-binding documentation for the re-allocation of water to social, cultural or environmental needs is not applicable in the catchment.

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

A series of water stewardship plans are implemented to achieve the site's water quality targets.
According to the water quality monitoring plan, the site entrusts a third-party laboratory to test its various water quality. According to the test report and analysis record provided by the site, the water quality is 100% in line with its internal control standard.
The site also upgraded the facility to improve the discharged water quality, included:
1. Conduct inspection and repair of rainwater and sewage pipelines;
2. Set up online wastewater monitoring;
3. Monitor the APIs in the discharged wastewater discharged once every three years;
4. Monthly arrange third-party maintenance of the wastewater treatment plant.

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

The main pollutant indicators are inorganic nitrogen and phosphates; the site is unable to improve the water quality of the sea and public water body by itself. So, the site set a more stringent internal discharge standard, the concentration of TN and TP is lower than Permit requirements and reduce discharge of TN and TP.

The specific details are as follows: Internal control index of discharged wastewater: COD 450 mg/L; TP 7.2 mg/L; NH3-N 36mg/L; TN 54 mg/L (Permit requirements: COD 500 mg/L; TP 8 mg/L, NH3-N 40 mg/L; TN 60 mg/L). According to the test report and analysis record provided by the site, the water quality is 100% in line with its internal control standard.

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

On June 3, 2025, the site trusts an external agency to test the surface water quality of Zhangjia River, the rainwater receiving body (test parameters include temperature, DO, transparency, ORP, pH, permanganate, NH3-N, TP, a total of 8 parameters) according to the national standard: Surface Water Environmental Quality Standard GB 3838-2002;
On May 13-14,2025, the site combined "Hands On Shanghai" (a local NGO) organized a Beach cleaning activity in surrounding river (Chuanyang River), totally 10 persons attended the activity.

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.*

No

Comment

1. The WASH installations fully comply with the national "Hygienic Standards for the Design of Industrial Enterprises" (GBZ 1-2010).
2. The site conducts WBCSD self-assessment to evaluate the level of onsite WASH and the final result was 87% in 2025.
3. The site carried out a questionnaire survey on employee satisfaction regarding drinking water, sanitation, and facilities, and according to the survey results, the satisfaction was high.
4. The site obtained test reports of bottled drinking water to ensure safe drinking water. The site also conducted testing of direct drinking water from water dispenser since 2025 and planned to test one water dispenser each year.
5. Sanitation and hygiene installations were checked and cleaned daily, water purifiers were checked daily and maintained when needed.

Finding No: TNR-020188

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.	
3.7	*Implement plan to maintain or improve indirect water use within the catchment:*	
3.7.1	*Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.*	Yes
Comment	Indirect water uses targets not applicable in the water stewardship plan. In 2025, the site provided AWS training to 3 suppliers and service providers to promote their awareness. The site plans to establish a cooperative relationship with at least one supplier within the same catchment every year, encourage and support suppliers to formulate and implement water-saving plans, and share water-saving achievements.	
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 uses targets not applicable in the water stewardship plan. 1. In 2025, the site provided AWS training to 3 suppliers and service providers to promote their awareness. 2. The site encouraged one supplier to conduct CCTV monitoring for the stormwater and wastewater pipe and promote them conduct recovery for equipment.	
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 e-mail 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	The site performed following action to achieve the best practice: 1. On October 21, 2024, the site invited a third party to carry out a one-day training on water management standards to help it implement and improve its water management system. On February 29-March 1, 2024, 2 employees were invited to participate in a two-days' AWS Standard System Training and obtained the completion certificate. 2. In April 2023, the site was awarded the honor of National-level "Green Factory" by Industry and Information Technology Department.	

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 (Year 2025) , which specifies targets, required actions, measurement, status, effectiveness evaluation, accountable and deadline, etc. The actions for improving water balance including: Add a reclaimed water reuse system, to collect the concentrated water from the first-stage RO and cooling tower drainage which was previously directly discharged to municipal wastewater network. Now, it is collected and treated to reuse for greening and cooling tower water replenishment.	
3.9.3	*Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.*	Yes
Comment	A series of water stewardship plans are implemented to achieve the site's water quality targets. Including: 1. Monitoring the APIs in the wastewater every three years. 2. Set the emission target as pollution concentration is 90% or lower than the regulatory standard	
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	On May 13-14,2025, the site combined "Hands On Shanghai" (a local NGO) organized a Beach cleaning activity in surrounding river (Chuanyang River), totally 10 persons attended the activity. During July and August 2025, the site combined with Zhangjiang Hi-Tech Park Management Committee organized "Zhangjiang Science Talks Science Popularization Season" activity. Popularize knowledge about Important Water-related Areas in Shanghai among primary and secondary school students and advocate collective actions to protect these areas. Totally about 500 people participated in the event.	
3.9.5	*Actions towards achieving best practice related to targets in terms of WASH shall be implemented.*	Obs.
Comment	A series of water stewardship plans are implemented the WASH. One disabled toilet and one mother-and-baby room are set up in the site to facilitate the use of vulnerable groups The site conducts WBCSD self-assessment to evaluate the level of onsite WASH and the final result was 87% in 2025. The site carried out a questionnaire survey on employee satisfaction regarding drinking water, sanitation, and facilities, and according to the survey results, the satisfaction was high.	

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 performed annual water stewardship management review. The review covered the requirements of evaluating site performance and its contribution to achieving water stewardship results based on the objectives of the water stewardship plan. A management review was conducted on August 20, 2025, to summarize the overall environmental performance in the first half year of 2025. The 2025 water stewardship plan has 27 actions. Each action has defined responsible person, start date, end date, status and actual performance.	
4.1.2	*Value creation resulting from the water stewardship plan shall be evaluated.*	Yes
Comment	The site analyzed its value creation resulting from the implementation of water stewardship plan, especially the implementation of water-saving projects. The review covered the value creation resulting from the water stewardship plan. For reclaimed water reuse system, the site has generated 4000 tons water in the 2nd quarter reduced water consumption by over 30300 tons, and reduced water costs by RMB 23,960.	
4.1.3	*The shared value benefits in the catchment shall be identified and where applicable, quantified.*	Yes
Comment	The site analyzed its value creation resulting from the implementation of water stewardship plan. For example: 1) the site has conducted one 'river patrol' activity, improving the employees' awareness, improving the catchment environment, 2) the water-related promotion activity strength the awareness of 500 people.	
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	No water-related emergencies and extreme events occurred at the site in recent years. The site presents its emergency response procedure and plan identifying proposed preventive and corrective actions, as well as measures to mitigate future incidents. The site also provides the drilling record covered the water-related topics including water suspend, malfunction of the WWTP, chemical spill, heavy rain and etc.	
4.3	*Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.*	
4.3.1	*Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.*	Yes

Comment	The site communicates its sustainable water stewardship performance and seeks feedback with various stakeholders through multiple way, such as questionnaires, interviews, visit, including local ecological environment bureaus, local town government, industrial park management committee, surrounding enterprises and supplier etc.	
4.4	*Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.*	
4.4.1	*The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.*	Yes
Comment	The site has developed Sustainable Water Management Manual, which specifies that its water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the annual evaluations. The WSP for Year 2025 was modified on August 22, 2025, after the management review, the improvement has been made. The site updates the WSP in real time and conducts at least one evaluation of the implemented water stewardship actions every quarter. The site established a water stewardship committee, within the committee, the General Manager serves as the overall person in charge, led by EHS, with members covering all departments.	

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 disclosed the site's internal governance in relation to water, and communication on sustainable water management issues on its official website. https://boehringer-ingelheim.cn/pdf/sustainable-water-management-handbook-boehringer-ingelheim-pharmaceuticals-shanghai-co-ltd
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 has communicated its water stewardship plan with stakeholders through questionnaires, interviews, and official website, including how the water stewardship plan contributes to the outcomes of the AWS Standard. https://www.boehringer-ingelheim.cn/about-us/sustainable-development/more-green/blooming-flower-water-more-green-practice
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 disclosed the water stewardship performance of 2025, including quantified performance against targets on its official website. https://www.boehringer-ingelheim.cn/about-us/sustainable-development/more-green/blooming-flower-water-more-green-practice
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 its official website. https://www.boehringer-ingelheim.cn/about-us/sustainable-development/more-green/blooming-flower-water-more-green-practice
5.4.2	*Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.* ✓ Yes
Comment	The site disclosed the effort to address shared water challenges, internal governance in relation to water, and communication on sustainable water management issues on its official website. The site advocates stakeholder participation through various means, such as conducting surveys, visiting stakeholders, and initiating joint actions with stakeholders.

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	Non-conformities and corrective action procedure (Document No.: 4015.030.01, issue date: 2 March 2018) to manage non-conformance and related corrective action is developed, there is no water-related compliance violation identified in past few years.	
5.5.2	*Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.*	Yes
Comment	Non-conformities and corrective action procedure (Document No.: 4015.030.01, issue date: 2 March 2018) to manage non-conformance and related corrective action is developed, there is no water-related compliance violation identified in past few years.	
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	Boehringer Ingelheim Shanghai Pharmaceuticals AWS Management Manual (Document No.: Nil, Version: 3.0, issue date: 25 August 2025) defines any site water-related violation that may pose significant risk and threat to human or ecosystem health is required to be immediately communicated to the relevant public.	

Previous Findings

	All non-conformities raised in the previous audit have been satisfactorily closed.	N/A
Comment	This is an initial certification audit.	