

Alliance for Water Stewardship Assessment Report as per AWS Standard Version 2.0

For

Suzhou Industrial Park Administrative Committee
No.999, Xiandai Avenue, Suzhou city, Jiangsu Province,
China

Prepared by: TÜV Rheinland

AWS Reference Number: AWS-000425

Version: 2.0

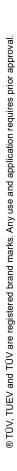
Date: November 15-17 2021





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1. Client and Certification Details

Client Name:	Suzhou Industrial Park Administrative Committee	
Audit location:	No.999, Xiandai Avenue, Suzhou city, Jiangsu Province	
Country:	China	
Activities/Processes:	NA	
Contact person:	Hou Daoli	
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Company website:	http://www.sipac.gov.cn/	
AWS Reference Number:	AWS-000425	
Type of audit:	Certification Audit	
Audit date(s):	November 15-17 2021	
Audit Standard:	V2.0	
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2. Executive Summary

The scope of service covers the conformity assessment of water management and usage for Suzhou Industrial Park Administrative Committee (SIPAC). The assessment was completed in compliance with the AWS Standard Version 2.0 dated on Mar 2019.

Suzhou Industrial Park is located in the east of Suzhou City, bordering Gusu District, Wuzhong District, Xiangcheng District and Kunshan City. The administrative area is 278km2, and the water area is 72.337km2.

SIPAC coordinates the management of the park's water environment, water ecology, water resources, water safety, and water culture related management work. Including supervision, control and implementation of the policy formulation and implementation, water distribution and supply for residents and enterprises in the area, water treatment and reuse, pollution control and water quality management, public facility planning and construction, water and soil conservation and protection, flood and drought risk emergency response, public health, and water conflict arbitration, education and publicity network work and information exchange and etc.

The site boundaries are the administrative activities related to the development, utilization and protection of water resources performed by functional departments within the administrative area of the SIPAC, including the lakes, rivers and directly managed water-related facilities covering the whole administrative divisions. Water-related infrastructure such as pump gates, public toilets, and greening facilities directly managed by SIPAC are operated by New Suzhou Industrial Park Municipal Public Development Group Co., Ltd. and Suzhou Industrial Park Municipal Service Group Co., Ltd.

TÜV Rheinland performed a pre-assessment for SIPAC's facilities and activities as per AWS Standard (Version 2.0) on 15 October 2021. During the pre-assessment, TÜV-Rheinland conducted the site tour covered the water supply company, document review and interview.

On November 15-17 2021, TÜV Rheinland conducted the on-site conformity assessment for SIPAC facilities and activities as per requirement of the AWS Standard (Version 2.0). During the audit, a half-day stakeholder meeting was held on 16 November 2021. About 5 stakeholders participated in the meeting covering NGO, Factory, Waste Treatment company, Municipal Group water conservancy Branch, WWTP and water supply company etc.

TÜV Rheinland also performed an evaluation for SIPAC's performance against the AWS advance criteria. The score of the evaluation is 71 points, which fulfills AWS Gold-level requirement.

Findings summary:

Total: 1

Major non-conformities: 0
 Minor non-conformities: 1

Observation: 0



Client's response:

SIPAC responded to the findings raised with root cause analysis and action plans. It is confirmed that all corrective action plans are acceptable.

Certification level: Gold

After thorough evaluation of the non-conformance, in compliance with the AWS Certification Requirement V2.0. TÜV Rheinland auditor team would recommend to reward SIPAC AWS Gold Certified status. Surveillance audit should be conducted on an annual basis.



3. Scope of Assessment

Client factories main products	NA NA
Client factories production	
processes	NA
Assessment preparations	
activities include:	Document review, stakeholder comments collecting
Assessment on-site activities	Document review, management interview, stakeholders
includes:	interview, onsite tour
Assessment follow-up activities	
includes (in any):	Non-conformity follow up

4. Description of the Catchment

The centralized drinking water sources in the Suzhou Industrial Park are the Taihusiqian water source and the Yangcheng Lake water source. The two water sources are adjacent to each other, and dual-source water supply has been realized. The two water source types are surface water sources.

Suzhou Industrial Park adopts a rain-sewage diversion system, and the rainwater is collected by rainwater pipes and discharged into the river nearby, and finally discharged into the Yangtze River through the Loujiang River and Wusong River. The domestic sewage and industrial waste water generated by all users in the Park are treated and incorporated into the urban effluent pipe network, and pumped by the pumping station to the effluent treatment plant (the first effluent treatment plant, the second effluent treatment plant) for centralized treatment and then discharged into Wusong Jiang.

Based on the geographical location of the Suzhou Industrial Park, the location of water source and final discharge, the Outer Boundary of Suzhou Industrial Park is Taihu Lake Catchment.

5. Summary of the Stakeholder meeting

Stakeholder	Stakeholder	Summary
name	type	
Mr. Li Ning	Municipal Group	It is the water administrative department directly under the park, responsible
	water	for the scheduling and operation of the park's water conservancy projects,
	conservancy	the maintenance of rivers and lakes, the installation, operation, maintenance
	Branch	and management of water conservancy facilities, etc. The water quality of the
		river body is gradually improving, and it often participates in meetings,



		training, etc. on environmental protection held by the SIPAC. SIPAC provide corresponding support if they needed.
Mr. Zhang	Sludge	Engaged in the collection, treatment and reuse of sludge in the park. The
	treatment plant	sludge drying facility is one of the water facilities directly managed by the
		Suzhou Industrial Park, it is operated by the company. The SIPAC invests in
		the maintenance of water-related facilities and equipment every year, and
		also invests in new facilities. SIPAC provide corresponding support if they
		needed.
Mrs. Zhang	NGO	It is NGO organization on environmental protection, established in 2017. It
Qianqian		held about 400 environmental protection activities. About 100,000 people
		were affected. There were volunteer teams of 200 to 300 people. The SIPAC
		provides support in terms of funds, venues, personnel, etc.
Mrs. Ding	Factory	The factory produces industrial waste water. At present, there is zero
Xiang		discharge of industrial waste water. Domestic waste water discharge into the
		municipal pipe network. The main water used by the factory is domestic
		water. The SIPAC provided financial subsidies to the factory for
		environmental protection.
Mr. Chen	Water service	Responsible for the construction and operation management of the tap water
Yong	company	and effluent plant network in the administrative area of Suzhou Industrial
		Park. The water supply pipe network and effluent pipe network have fully
		covered the Suzhou Industrial Park. The current effluent discharge standard
		is the highest implementation standard in the province. The SIPAC
		supervises its operation. And SIPAC provide corresponding support if they
		needed.

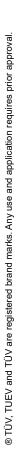


6. Summary of Shared Water Challenges

Water-related challenges	Initiatives by related public institutions	Relevance to stakeholders	Relevance to site	Priority 1 to 5 (high to low)	Reason for prioritization
River and lake water pollution	Establish a long-term salvage mechanism and formulate a work plan for the prevention and control of cyanobacteria and aquatic plants to reduce the impact of cyanobacteria and aquatic plants.	Administrative risks, water safety, hygiene and health, causing diseases	Water safety, hygiene and health, cause diseases	High	Frequent occurrence of cyanobacteria in Taihu Lake, perennial pollution -induced water shortage, and serious drinking water source safety issues.
Insufficient local water resources in the catchment	(Suyuan Guangui Zi [2019] No. 2) Special Funds Administrative Measures for Environmental Protection Guidance in Suzhou Industrial Park	Administrative risks, water safety, domestic and industrial water security	Water safety, domestic and industrial water security	High	The ability to divert water resources from the Yangtze River is low, Seasonal engineering water shortage is serious in dry years, while water demand continues to increase.
Water ecological environment problems are increasingly prominent	Carry out comprehensive treatment of the water environment, comprehensively promote the prevention and control of water pollution and water ecological protection of Yangcheng Lake, Jinji Lake, and Dushu Lake, and continue to improve the water quality of the lakes.	Sustainable water ecological environment	Sustainable water ecological environment	High	The prevention and control of water pollution is lagging, the quality of the water environment is declining, and the water quality of the river network exceeds the standard
Water efficiency is low in the catchment	Carry out the "Green Partner" environmental management capacity	Water safety, compliance	Water safety, compliance	Middle	Extensive water management and low water



	improvement plan implementation plan to improve water use efficiency.				efficiency
Extreme weather	Formulate the park drainage and waterlogging prevention plan, relying on the catchment and region to provide the safety guarantee of flood control and drainage for the park, and through engineering and nonengineering measures, to achieve the flood control goal of the park.	Production and life safety	Production and life safety	Low	Greenhouse gas emissions lead to climate warming and cause natural disasters such as torrential rains and floods, but the probability of occurrence is low





7. Indicators Checklists

Per requirements set from the AWS certification requirements V2.0, below is a checklist of all the CORE AWS indicators. The documents reviewed/ processes reviewed are also indicated.



Criteria	Documents Reviewed
STEP 1: Gather and	Understand
1.1 Define the physical scope:	☐ Documentation or map of the site's boundaries
1.1.1 Map site boundaries;	Names and location of water sources
1.1.2 Water-related infrastructure, including piping network,	☑ Names and location of effluent discharge points
owned or managed by the site or its parent organization	☐ Other :
1.1.3 Any water sources providing water to the site that are	
owned or managed by the site or its parent organization	SIPAC's water management boundary is the
1.1.4 Water service provider (if applicable) and its ultimate	administrative management activities related to the
water source	development, utilization and protection of water
1.1.5 Discharge points and waste water service provider (if	resources performed by the functional departments in
applicable) and ultimate receiving water body or bodies	its administrative area, covering the entire
1.1.6 Catchment(s) that the site affect(s) and is reliant upon	administrative area of 278 square kilometers.
for water	An administrative boundary map is available, which
	includes the municipal water supply infrastructure and
	its water source, municipal wastewater treatment
	facilities and the final receiving water body of the
	treated municipal wastewater, and the main municipal
	water supply and drainage network
	Evidences:
	SIPAC's administrative boundary map
1.2 Understand relevant stakeholders:	☐ List of stakeholders
1.2.1 Stakeholders and their water-related challenges shall	
be identified. The process used for stakeholder identification	☐ Current and potential degree of influence
shall be identified	Other:
1.2.2 Current and potential degree of influence between site	
and stakeholder shall be identified	SIPAC has established a stakeholder engagement
	procedure, including establishing communication
	channels with stakeholders.
	SIPAC has identified stakeholders such as the Higher
	government departments, NGOs, Public infrastructure
	operation and management unit, Residents,
	enterprises and institutions in the park, and has established diversified communication channels with
	different stakeholders. Stakeholder's water-related
	interests and challenges were collected
	interests and challenges were collected
	Evidences:
	SIPAC's Water Management Stakeholder Analysis
	on 7.0 5 Water Management State Holder Analysis



Criteria	Documents Reviewed		
1.3 Gather water-related data for the site:	Water-related incident response plans		
1.3.1 Existing water-related incident response plans	⊠ Site water balance (in Mm³ or m³)		
1.3.2 Site water balance, including inflows, losses, storage,	Water quality of the site's water source(s),		
and outflows	provided waters, effluent and receiving water		
1.3.3 Site water balance, inflows, losses, storage, and	bodies, such as water test reports		
outflows, including indication of annual variance in water	☐ Other :		
usage rates. An indication of annual high and low variances			
shall be quantified for risky water-related challenge	A series of emergency plans for water-		
1.3.4 Water quality of the site's water source(s), provided	related/environmental emergencies have been		
waters, effluent and receiving water bodies. An indication of	formulated。		
annual, and where appropriate, seasonal, high and low	SIPAC draws and quantifies the water balance in its		
variances shall be quantified for risky water-related	administrative area in terms of municipal annual water		
challenge	supply and drainage		
1.3.5 Potential sources of pollution, including chemicals	SIPAC has identified the potential risks of the water		
used or stored on site	source of Yangcheng Lake (within the scope of the		
1.3.6 Mapping on-site Important Water-Related Areas,	park); SIPAC also maintains a list of key water, soil,		
including a description of their status including Indigenous	and gas supervision units		
cultural values	SIPAC has identified the cost of water management-		
1.3.7 Annual water-related costs, revenues, and a	related activities (water quality monitoring,		
description or quantification of the social, cultural,	environmental remediation, infrastructure renovation,		
environmental, or economic water-related value	etc.)		
1.3.8 Levels of access and adequacy of WASH at the site			
1.4 Gather data on the site's indirect water use:	List of primary inputs		
1.4.1 The embedded water use of primary inputs, including	List of outsourced services		
quantity, quality and level of water risk within the site's	☐ Other :		
catchment			
1.4.2 The embedded water use of outsourced services shall	SIPAC, as a government agency, exercises		
be identified, and where those services originate within the	administrative supervision and management		
site's catchment, quantified	responsibilities within its jurisdiction. Discussions on		
	indirect water use topics within its administrative		
	boundaries are not applicable		



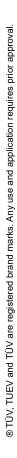
Criteria **Documents Reviewed** 1.5 Gather water-related data for the catchment: 1.5.1 Water governance initiatives shall be identified, Applicable water-related legal and regulatory including catchment plan(s), water-related public policies, requirements major publicly-led initiatives under way, and relevant goals ☐ Catchment water balance (in Mm³ or m³) to help inform site of possible opportunities for water □ Documentation identifying Important Waterstewardship collective action Related Areas (IWRAs) 1.5.2 Applicable water-related legal and regulatory Other: requirements shall be identified, including legally-defined SIPAC has established a legislation and regulatory requirement collection procedure. The legislation and and/or stakeholder-verified customary water rights regulatory is reviewed and updated regularly. SIPAC 1.5.3 The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, can identify the catchment plan(s), water-related public and where appropriate, seasonal, variance policies, major publicly-led initiatives, and legal 1.5.4 Water quality, including physical, chemical, and requirements. biological status, of the catchment shall be identified, and SIPAC collected the water resource public report of where possible, quantified Suzhou and water quality public report of Taihu Lake 1.5.5 Important Water-Related Areas shall be identified, and catchment, which contained the water-balance and where appropriate, mapped, and their status assessed water quality information of the catchment. including any threats to people or the natural environment, Important Water-Related Areas in the Park are using scientific information and through stakeholder identified by SIPAC, including Yangcheng Lake, Dushu Lake, Jinji Lake. Main lakes and rivers: engagement 1.5.6 Existing and planned water-related infrastructure shall Dongsha Lake, Wusong River, Sushen Waigang Line, be identified, including condition and potential exposure to Loujiang, Qingqiupu, Jiepu River, etc., Ecological parks and wetlands and Taihusigian water source. extreme events 1.5.7 The adequacy of available WASH services within the SIPAC revised and issued the "Suzhou Industrial Park catchment Emergency Plan for Environmental Incidents", "Suzhou Industrial Park Water Supply Emergency Plan", and "Suzhou Industrial Park Centralized Drinking Water Source Site Emergency Plan for Environmental Incidents" in 2021, including condition and potential exposure to extreme events and etc. The centralized treatment rate of urban sewage and water supply rate in the park have reached 100%. It indicates that the WASH services in the Park are adequate. Evidences: Suzhou Industrial Park (SIP) Sustainable Water Management Assessment Report



Criteria	Documents Reviewed
1.6 Understand current and future shared water challenges in the	☐ List of shared water challenges
catchment:	Other:
1.6.1 Shared water challenges shall be identified and	SIP Sustainable Water Management Assessment
prioritized from the information gathered	Report identified 5 shared challenges in the
1.6.2 Initiatives to address shared water challenges	catchment, and addressed initiatives are also
	established.
	Evidences:
	SIP Sustainable Water Management Assessment
	Report
1.7 Understand the site's water risks and opportunities:	
1.7.1 Water risks faced by the site shall be identified, and	
prioritized, including likelihood and severity of impact within	Other:
a given timeframe, potential costs and business impact	
1.7.2 Water-related opportunities shall be identified,	SIPAC has identified its water risks and opportunities
including how the site may participate, assessment and	covering factors inside of the SIP, stakeholder and
prioritization of potential savings, and business opportunities	catchment effects. Based on risk and opportunities
	analysis, SIPAC has prioritized its water risks and
	opportunities according to potential impact, likelihood
	within a given time and difficulty of detection.
	Meanwhile, corresponding response strategies and
	implementation plan are also identified.
	Evidences:
	Water risk and opportunity assessment analysis record
	of SIPAC.

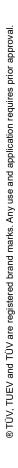


Criteria	Documents Reviewed
1.8 Understand best practice towards achieving AWS outcomes:	☐ Relevant catchment best practices
1.8.1 Relevant catchment best practice for water	☐ Other :
governance	
1.8.2 Relevant sector and/or catchment best practice for	SIPAC has identified relevant catchment best practice
water balance (either through water efficiency or less total	for water governance, water balance, water quality,
water use)	IWRAS and WASH.
1.8.3 Relevant sector and/or catchment best practice for	Best practice for water governance identified by SIPAC:
water quality, including rationale for data source	- Implement AWS management on the site and carry out
1.8.4 Relevant catchment best practice for site maintenance	AWS certification;
of Important Water-Related Areas	- Implement ISO 14001:2015 management system on
1.8.5 Relevant sector and/or catchment best practice for site	site and carry out certification;
provision of equitable and adequate WASH services	Best practice for water quality identified by SIPAC:
	- Regarding the water quality assessment indicators in
	the jurisdiction, 100% of the water body sections (3 in
	total) assessed at the provincial and municipal levels
	meet the Class 3 standard of surface water;
	- Municipal wastewater treatment facilities implement
	discharge standards that are stricter than GB 18918-
	2002, Level 1A, namely DB32-1072-2018 "Emission
	Standards for Major Water Pollutants for Urban Sewage
	Treatment Plants and Key Industrial Industries in Taihu
	Region" and "Suzhou Special Discharge Limits"
	Best practice for IWRAS identified by SIPAC:
	- Conduct biodiversity surveys in the jurisdiction every
	3 years; and carry out ecological restoration work
	Best practice for WASH identified by SIPAC:
	- The coverage of water supply and drainage pipe
	network in the jurisdiction reaches 100%
	Evidences:
	Best practice for water governance, water balance,
	water quality, IWRAS and WASH, including the
	benchmarking standard.
STEP 2: Commit	and Plan





Criteria	Documents Reviewed
2.1 Commit to water stewardship:	
2.1.1 A signed and publicly disclosed site statement OR	☐ Other:
organizational document	
	A water stewardship commitment to follow all the AWS
	core criteria has been signed by the director of SIPAC.
	The commitment has been displayed on SIPAC's
	official WeChat public account "Park Ecological
	Environment".
	Evidences:
	SIPAC's official WeChat public account "Park
	Ecological Environment"
2.2 Develop and document a process to achieve and maintain	⊠Documented description of system
legal and regulatory compliance:	□Other :
2.2.1 The system to maintain compliance obligations for	
water and wastewater management shall be identified	SIPAC has established a procedure to ensure it to meet
	the provisions of relevant laws, regulations and collect,
	implement the requirements communicated by superior
	authorities
	Evidences:
	Procedure for Compliance Evaluation of Laws and
	Other Requirements





Criteria	Documents Reviewed
2.3 Create a water stewardship strategy and plan:	☑ Water stewardship strategy
2.3.1 A water stewardship strategy shall be identified that	Water stewardship Plan
defines the overarching mission, vision, and goals of the	☐ Other :
organization towards good water stewardship in line with	
this AWS Standard	SIPAC has formulated the "14th Five-Year" Ecological
2.3.2 A water stewardship plan shall be identified	Environmental Protection Plan for Suzhou Industrial
	Park, with the basic principles of:
	- green efficiency;
	- reform and innovation;
	- integration and co-governance;
	- openness and leadership.
	And formulated a five-year action plan around the
	following topics:
	- The natural ecological environment is well restored;
	- Green development continues to maintain the leading
	level in the country;
	- Environmental quality is improving steadily;
	- Environmental risks are well controlled;
	- Continue to improve ecological environment
	governance capabilities
	Evidences:
	"14th Five-Year" Ecological Environmental Protection
	Plan for Suzhou Industrial Park
2.4 Demonstrate the site's responsiveness and resilience to	☑ Water risk mitigation plan
respond to water risks:	Other:
2.4.1 A plan to mitigate or adapt to identified water risks	
developed in co-ordination with relevant public-sector and	A series of emergency plans for water-
infrastructure agencies	related/environmental emergencies have been
-	formulated.
	SIPAC draws and quantifies the water balance in its
	administrative area in terms of municipal annual water
	supply and drainage
STEP 3: Imple	ement



Criteria	Documents Reviewed		
3.1 Implement plan to participate positively in catchment	☐ Good catchment governance evidence		
governance:	☑ Identified measures		
3.1.1 Evidence that the site has supported good catchment governance	☐ Other :		
3.1.2 Measures identified to respect the water rights of	SIPAC collects and implements the policy		
others including Indigenous peoples, that are not part of 3.1	requirements issued by the superior authorities in a		
	timely manner, E.g:		
	- Implement ecological red line governance		
	- Implement the most stringent water resources		
	management system		
	- Implement a cross-regional river chief system		
	Evidences:		
	Report on the work of water environment treatment in		
	Yangcheng Lake, Report on the implementation of the		
	work of the river chief system in the park, Report on the		
	prevention and control of cyanobacteria in Suzhou		
	Industrial Park, etc.		
3.2 Implement system to comply with water-related legal and	☐ Legal and regulatory compliance verification		
regulatory requirements:	process		
3.2.1 A process to verify full legal and regulatory compliance	☐ Identified measures (if applicable)		
3.2.2 Where water rights are part of legal and regulatory	Other:		
requirements, measures identified to respect the water	SIDAC has patablished a propedure to angure it to most		
rights of others including Indigenous peoples	SIPAC has established a procedure to ensure it to meet the provisions of relevant laws, regulations and collect,		
	implement the requirements communicated by superior		
	authorities		
	The superior department evaluates the performance of		
	SIPAC's water management policy implementation		
	every year. SIPAC submits the water management		
	system assessment technical data to its superior		
	department every year, and reports on its water		
	management performance.		
	SIPAC regularly cooperate with superior departments		
	to carry out environmental protection inspections, and		
	follow up and rectify problems found		
	Evidences:		
	Technical data for the assessment of the most stringent		
	water resources management system in the industrial		
	park in 2020, Follow-up rectification records of		
	environmental protection inspectors finding points		



Criteria	Documents Reviewed
 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 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 3.3.3 Legally-binding documentation, if applicable, for the 	 ☑ Status of progress ☑ Water use efficiency annual target (if applicable) ☑ Legally-binding documentation (if applicable) ☐ Other: Technical data for the assessment of the strictest water resources management system in the industrial park in
re-allocation of water to social, cultural or environmental needs	2020-January 2021, Suzhou Industrial Park Water Affairs Bureau
 3.4 Maintain or improve site water quality: 3.4.1 Status of progress towards meeting water quality targets set in the water stewardship plan 3.4.2 Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's 	 ☑ Status of progress ☑ Site's effluent best practice (if applicable) ☐ Other : SIPAC has developed a monitoring plan to monitor the
effluent shall be identified and where applicable, quantified	water bodies in its jurisdiction (about 282 monitoring points) and monthly evaluate the water quality of each monitored water body SIPAC has formulated and implemented a series of measures to improve the water quality of water bodies within its jurisdiction, such as carrying out beautiful river and lake construction projects, lake blue algae prevention and control projects, etc.
	Evidences: Water quality monitoring plan and monthly assessment records, implementation plan for blue algae salvage in 2021, beautiful river and lake construction projects
3.5 Implement plan to maintain or improve the site's and/or catchments IWRAs:3.5.1 Practices set in the water stewardship plan to maintain	☑ Practices set in the water stewardship plan☐ Other :
and/or enhance the site's IWRAs shall be implemented	SIPAC implemented the protection plan for the ecological red line area of the Suzhou Industrial Park and the 2021 lake blue algae prevention and control plan to maintain and improve the IWRAs it identifies
	Evidences: Protection plan for the ecological red line area of the Suzhou Industrial Park, 2021 lake blue algae prevention and control plan



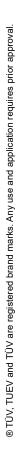
Criteria	Documents Reviewed
3.6 Implement plan to provide access to WASH:	⊠ Evidence of site's provisions of WASH
3.6.1 Evidence of the site's provision of adequate access to	☑ Evidence of site operations not affecting water
safe drinking water, effective sanitation, and protective	rights of surrounding environment
hygiene (WASH) for all workers onsite shall be identified	☐ Other :
and where applicable, quantified	
3.6.2 Evidence that the site is not impinging on the human	The water supply and drainage network coverage of
right to safe water and sanitation of communities through	Suzhou Industrial Park has reached 100%
their operations, and that traditional access rights for	
indigenous and local communities are being respected, and	Evidences:
that remedial actions are in place where this is not the case,	Technical data for the assessment of the strictest water
and that these are effective	resources management system in the industrial park in
	2020-January 2021, Suzhou Industrial Park Water
	Affairs Bureau
3.7 Implement plan to maintain or improve indirect water use	☐ List of suppliers and service providers
within the catchment:	☐ Evidence of engagement with suppliers and
3.7.1 List of suppliers and service providers, along with the	service providers
actions they have taken as a result of the site's engagement	☐ Other :
relating to indirect water use	
3.7.2 Evidence of engagement with suppliers and service	SIPAC, as a government agency, exercises
providers, as well as, when applicable, actions they have	administrative supervision and management
taken in the catchment as a result of the site's engagement	responsibilities within its jurisdiction. Discussions on
related to indirect water use, shall be identified	indirect water use topics within its administrative
	boundaries are not applicable
3.8 Notify the owners of shared water-related infrastructure of any	☑ Evidence of engagement
concerns:	☐ Other :
3.8.1 Evidence of engagement, and the key messages	
relayed with confirmation of receipt	A series of emergency plans for water-
	related/environmental emergencies have been
	formulated
	SIPAC draws and quantifies the water balance in its
	administrative area in terms of municipal annual water
	supply and drainage
	SIPAC, in conjunction with water-related infrastructure,
	carried out emergency drills on environmental
	emergencies in water sources in June 2020
	Evidences:
	Emergency drill records for environmental emergencies
	in water sources



Criteria	Documents Reviewed
3.9 Implement actions to achieve best practice towards AWS	□ Actions related to water governance
outcomes:	□ Actions related to water balance
3.9.1 Actions towards achieving best practice, related to	□ Actions related to water quality
water governance	□ Actions related to IWRAs
3.9.2 Actions towards achieving best practice, related to	□ Actions related to WASH
targets in terms of water balance	☐ Other:
3.9.3 Actions towards achieving best practice, related to	
targets in terms of water quality	SIPAC has collected the best practices for AWS
3.9.4 Actions towards achieving best practice, related to	outcomes, actions were also implemented to achieve
targets in terms of the site's maintenance of IWRAs	these outcomes.
3.9.5 Actions towards achieving best practice, related to	
targets in terms of WASH	Evidences:
	Detailed Rules for the Implementation of Sustainable
	Water Management in Suzhou Industrial Park
STEP 4: Eva	uate
4.1 Evaluate the site's performance:	☑ Performance against targets
4.1.1 Performance against targets in the site's water	
stewardship plan and the contribution to achieving water	☐ The shared value benefits (if applicable)
stewardship outcomes shall be evaluated	
4.1.2 Value creation resulting from the water stewardship	Other:
plan shall be evaluated	SIPAC has established targets, the SIPAC has:
4.1.3 The shared value benefits in the catchment shall be	Established the AWS management system.
identified and where applicable, quantified	Established Suzhou Industrial Park "14th Five-Year"
	Ecological Environment Protection Plan November 2021
	The value created by each project was evaluated, it was also including the value benefits in the catchment.
4.2 Evaluate the impacts of water-related emergency incidents:	
•	_
4.2.1 A written annual review and (where appropriate)	Other:
root-cause analysis of the year's emergency incident(s)	No water-related emergencies or extreme events
shall be prepared and the site's response to the incident(s)	occurred at the site in recent years.
shall be evaluated and proposed preventative and	SIPAC has developed several water-related incident
corrective actions and mitigations against future incidents	response plans, which contained the analysis and
shall be identified	improvement procedure.
	Evidences:
	SIPAC's website, Environmental Emergency Plan and



Criteria	Documents Reviewed	
4.3 Evaluate the stakeholders' consultation feedback:	☐ Stakeholder feedback	
4.3.1 Consultation efforts with stakeholders on the site's	☐ Other :	
water stewardship performance shall be identified	Minor non-conformities:	
	The site did not engage stakeholders at least once	
	every year to review its water stewardship	
	performance and provide written commentary from	
	identified stakeholders on the site's performance.	
	Evidences:	
	Management interview.	
4.4 Evaluate and updated the site's water stewardship plan:	Modification of water stewardship plan	
4.4.1 The site's water stewardship plan shall be modified	Other:	
and adapted to incorporate any relevant information and	The site updated the water stewardship plan for 2020-	
lessons learned from the evaluations in this step and these	2021.	
changes shall be identified		
	Evidences:	
	Water Stewardship plan 2020-2021	
STEP 5: Communication		
5.1 Disclose water-related internal governance of the site's	☐ Summary of governance	
management:	Other:	
5.1.1 The site's water-related internal governance, including	SIPAC's Organization Chart of Integrated Management	
positions of those accountable for compliance with water-	System clearly shows the manager representative of	
related laws and regulations shall be disclosed	environment and water stewardship, the responsible	
	department and person. The Organization Chart is	
	available on Suzhou Industrial Park Administrative	
	Committee's website:	
	sipac.gov.cn	
	Evidences:	
	Website	
5.2 Communicate the water stewardship plan with relevant		
stakeholders:	Other:	
5.2.1 The water stewardship plan, including how the water	The water stewardship plan is available on SIPAC's	
stewardship plan contributes to AWS Standard outcomes,	website:	
shall be communicated to relevant stakeholders	http://public.sipac.gov.cn/gkml/gbm/gwgwh/201612/t20	
	161222_516980.htm	
	Evidences:	
	Website	





Criteria	Documents Reviewed
5.3 Disclose annual site water stewardship summary: 5.3.1 A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum	☐ Water stewardship performance summary ☐ Other: The site just introduced the AWS system at the beginning of the 2021, the annual review has not been reviewed. So no performance was disclosed.
	NA
5.4 Disclose efforts to collectively address shared water challenges: 5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be disclosed 5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified	 ☑ Disclosure evidence ☑ Other : Efforts to collectively address shared water challenges are available on SIPAC's Official Accounts: Evidences: SIPAC's Official Accounts
5.5 Communicate transparency in water-related compliance: 5.5.1 Any site water-related compliance violations and associated corrections shall be disclosed 5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable 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	☐ List of water-related compliance violations with corresponding corrective actions ☐ Other: No water-related compliance violations occurred at the site to date. Evidences: Website



Advance indicators

Criteria	Evidences	Score	
1.5.8 Efforts by the site to support and undertake catchment level water-related data collection shall be identified. (4-7 points)	SIPAC participated in monitoring the water quality of Taihu Lake once per month, the report is provided for review. A biodiversity report is made by a third-party organization every 5 years in the SIPAC. Evidences: Biodiversity report, Taihu Lake monitoring report.	5	
1.6.3 Future water issues shall be identified, including anticipated impacts and trends. (3 points)	ng anticipated natural environment.		
2.1.2 A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization's senior-most executive or governance body and publicly disclosed shall be identified. (1 point)	A water stewardship commitment to follow all the AWS core criteria has been signed by the director of SIPAC. The commitment has been displayed on SIPAC's official WeChat public account "Park Ecological Environment". Evidences: SIPAC's official WeChat public account "Park Ecological Environment"	1	
2.3.3 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. (4 points)	SIPAC unites various stakeholders to carry out a wealth of activities on sustainable water management, such as: - Implementation of the cross-regional river chief system - Carrying out the beautiful river and lake construction project: Participating in the joint management of water bodies in the Suzhou area - Implementation of the Environmental Partnership Program: Promote environmental management cooperation and joint improvement between companies - Environmental protection publicity activities initiated in cooperation with NGOs Evidences: Suzhou Industrial Park Environmental Management Partnership Plan Implementation Plan, Suzhou Industrial Park beautiful river and lake construction plan, etc.	4	
3.1.3	SIPAC implement AWS management within its boundary and carry out AWS certification.	2	



Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified. (2 points)	Evidences: Procedures and records established based on AWS standards	
3.1.4 Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment shall be identified. (2 points)	SIPAC has developed a wealth of water management practices in its jurisdiction and has been recognized by stakeholders Evidences: Suzhou Environmental Management Partnership ProgramTop Ten Ecological Environmental Protection Reform and Innovation Cases in Jiangsu Province in 2019; River Chief System Assessment; Blue Sky Defense Battle Assessment; Beautiful River and Lake Construction Project Assessment	2
3.5.2 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. (6 points)	SIPAC carried out restoration work on water bodies with impaired functions in its jurisdiction. And the Heyunzhong River was restored from Class 5-water quality (worse than Class 5) to Class 3 water quality SIPAC launched Yangcheng Lake ecological restoration project	6
3.5.3 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. (2 points)	The comprehensive treatment project of Jinji Lake and surrounding water environment in Suzhou Industrial Park was selected as one of the "Top Ten People's Support Projects in Suzhou" in 2020 Evidences: "Top Ten People's Support Projects in Suzhou" of 2020	2
3.9.6 Achievement of identified best practice related to targets in terms of good water governance shall be quantified. (8 points)	SIPAC has implemented AWS standards within its jurisdiction. SIPAC has obtained ISO 14001: 2015 certification. Evidences: Detailed Rules for the Implementation of Sustainable Water Management in Suzhou Industrial Park, ISO 14001: 2015 certification	8
	of SIPAC	



Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified. (8 points)		
3.9.8 Achievement of identified best practices related to targets in terms of water quality shall be quantified. (8 points)	1. 100% of the surface water monitoring points meet the assessment requirements of the superior department, that is, the Class 3 water quality standard for surface water 2. The discharge standards of municipal effluent treatment facilities are in compliance with the "Suzhou Special Discharge Limits", and some parameters meet the Class 4 water quality standards for surface water	8
3.9.10 Achievement of identified best practices related to targets in terms of WASH shall be quantified. (4 points)	The water supply and drainage network coverage of Suzhou Industrial Park has reached 100%	4
3.9.12 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. (8-14 points)	SIPAC implemented and summarized the rich collective actions it carried out, such as: 1. Implement the environmental management partnership plan, formulate guidelines for corporate social responsibility assessment, and conduct assessments on enterprises. And create a platform to help companies improve the level of environmental management; 2. Carried out a wealth of environmental protection publicity activities in conjunction with communities, schools, and NGOs 3. Implement the cross-regional river chief system, and cooperate with other regions to carry out the monitoring and management of important water bodies	12
3.9.13 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	SIPAC launched the Environmental Management Partnership Program of Suzhou Industrial Park in 2020 to improve the environmental performance of enterprises within its jurisdiction through the processes of enterprise evaluation, expert guidance, project promotion, and performance evaluation. SIPAC compiled a work summary and quantified the results of the project	3



AWS Level		Gold	
	Total	71	
4.1.4 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. (3 points)	The Top management discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and relevant incidents. Evidences: Evaluation record	3	
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. (3-10 points)			

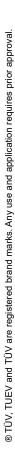


Assessment Non-conformities:

During audit. One non-conformity was raised.

Minor non-conformities:

NO.	AWS Expectations	Description of non-conformity	Client's response and Documentation provided	Auditors' assessment
1	4.3.1	The site did not engage stakeholders at least once every year to review its water stewardship performance and provide written commentary from identified stakeholders on the site's performance.	Cause analysis: SIPAC did not fully understand the requirement due to initial certification. Corrections and Corrective Action: Established procedure to ensure to communicate with stakeholders through questionnaire at least once per year. The questionnaire contains review its water stewardship performance and etc Proposed finished time: May 2022	Accepted





8. Summary and Conclusion of the Assessment

In assessment of the water stewardship performance of the Suzhou Industrial Park Administrative Committee, it is apparent that the sites put considerable efforts to adopt the AWS standard into the management system.

One minor non-conformity was identified in this audit. SIPAC has been requested to make some improvement plans to address the Non-conformity to be fully compliant to the standard.

All evidences provided to TÜV Rheinland to address the non-conformity was reviewed and evaluated to ensure the compliance to the AWS standard. All actions were accepted as sufficient to close the non-conformity. Therefore, all AWS core criteria are satisfied.

The advance-level criteria evaluation was performed and the score is 71 point, which fulfils the requirement of Gold Level (40-79 points).

In conclusion, Suzhou Industrial Park Administrative Committee met the AWS Standard (Version 2.0) Gold Level.