

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-001293

SITE DETAILS

Site: **Samsung Electronics Viet Nam Thai Nguyen Co, Ltd. (SEVT)**

Address: Yen Binh industrial Zone, Dong Tien Ward, Pho Yen City, Thai Nguyen Province, 24000, Tha Nguyen, VIETNAM

Contact Person: THI THUY LINH NGUYEN

AWS Reference Number: AWS-000745

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Platinum

Date of certification decision: 2024-Dec-09

Validity of certificate: 2027-Dec-08

AUDIT DETAILS

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

Audit Type(s): Initial Audit

Audit Start Date: 2024-Sep-16

Audit End Date: 2024-Sep-19

Lead Auditor: Amit Singh

Audit team participants:

Dung Tri Ngo

Van Bich Nguyen

Site Participants:

JIN MYONG KOOK, Other

Tuan Hoang, Other

Hien Nguyen, Other

Geung Wook Heo, Other

Duy Mon Nguyen, Other

Tuan Giap, Other

Seung Hyun Lee, Other

Myong Kook Jin, Other

Huyen Hoang, Other

Xuan Nguyen, Other

Son Bui, Other

Kim Ki Hun, Other

Dahye Son, Consultant

Yeun Hee Kim, Consultant

Yuna Kim, Other

Sung Yuk Yu, Other

WSAS

2 Quality Street North Berwick, EH39 4HW, UNITED KINGDOM

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ADDITIONAL INFO

Summary of Audit Findings: A total of 18 findings were raised during the certification audit, 8 minor non-conformities, 10 observations.

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 30 days of receipt of the audit report by 10 December 2024.

Minor non-conformities must be closed out by the time of the next annual audit.

The audit team recommends certification of Samsung Electronics Viet Nam Thai Nguyen at Platinum level pending approval of the corrective actions plan.

CLOSURE OF FINDINGS AND CORRECTIVE ACTION PLAN:

The Client has successfully submitted the corrective action plans addressing all findings. Proof of implementation has been requested for the Minors and this will be evaluated during the Surveillance Audit. The client is requested to upload evidence of implementation prior to the Surveillance Audit.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing the conformity of Samsung Electronics Viet Nam Thai Nguyen Co. Ltd. (SEVT) site against the AWS International Water Stewardship Standard Version 2.

Samsung Electronics Viet Nam Thai Nguyen Co. Ltd. hereinafter referred as SEVT is involved in manufacturing of electronic products and accessories at the plant located in Khu Công Nghiệp Yên Bình, Dong Tiến,, Phố Yên, Thai Nguyên, Vietnam. It is situated upstream of the Cau River catchment. The site is around 65 kms away from the capital city of Hanoi. The nearest airport to site is Noi Bai International Airport which is 47 kms from site.

The site receives tap water which is supplied from Yen Binh Water Purification Plant. The tap water is treated and used as process water for cooling towers and facilities, R&D, CNC, assembly, etc., and as drinking water, toilets, firefighting, landscaping. Site water intake points, storage tanks, water treatment facility, utilities (cooling towers, boilers, etc.) and wastewater treatment plant were included in the assessment that were visited onsite as part of the audit.

The audit was conducted onsite from 16th to 19th September 2024.

SCORE

112.00

FINDINGS

NUMBER OF FINDINGS PER LEVEL

Table with 2 columns: Finding Level, Number of Findings. Rows: Observation (10), Minor (8).

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FINDING DETAILS

Finding No:	TNR-012401
Checklist Item No:	1.2.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Sep-16
Checklist item:	Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall: <ul style="list-style-type: none">- 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.
Findings:	There is no evidence of site identifying the stakeholder / stakeholder groups covering vulnerable, women, minority, and Indigenous people.
Corrective action:	<ol style="list-style-type: none">1. The site will identify additional stakeholders representing vulnerable groups, women, minorities, and indigenous groups within the catchment and continuously consult with them to reflect their opinions.2. We will add these groups to the site's list of water stakeholders.
Finding No:	TNR-013959
Checklist Item No:	1.2.2
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	The degree of influence between site and stakeholder have not been correctly identified for all of the stakeholders, e.g. the level of influence of stakeholder on site has been identified as high which does not seem to be the case.
Finding No:	TNR-014010
Checklist Item No:	1.3.1
Status:	Open
Finding level:	Observation
Checklist item:	Existing water-related incident response plans shall be identified.
Findings:	Not all possible water-related incidents or emergencies have been identified in the scenarios list.

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Finding No: TNR-012406
Checklist Item No: 1.4.1
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2025-Sep-16
Checklist item: The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.
Findings: Site has not provided any evidence of engagement or communication of site with the suppliers within the catchment for gathering water related information.
Corrective action: We will identify supplier data directly managed by SEVT site and identify water use, including water quantity, water quality, and water risk.

Finding No: TNR-013985
Checklist Item No: 1.4.2
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2025-Sep-16
Checklist item: The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.
Findings: Site has not correctly captured water consumption of outsourced services such as transport services for movement of goods and raw materials, etc.
The estimated data for vehicle washing does not seem to be realistic with respect to the details of vehicles presented by site.
Corrective action: 1. We will calculate and reflect water consumption related to outsourcing services such as transportation of products and raw materials within the catchment.
2. For calculating water usage for vehicle washing, internationally or academically established standards will be applied.

Finding No: TNR-013986
Checklist Item No: 1.5.1
Status: Open
Finding level: Observation
Checklist item: 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.
Findings: Site has identified various public policies and initiatives but have not identified the possible opportunities for water stewardship collective action.

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Finding No: TNR-012409
Checklist Item No: 1.5.3
Status: In Progress - CA plan approved
Finding level: Minor
Due date: 2025-Sep-16
Checklist item: The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.
Findings: The presented catchment water balance is incomplete, only partial data related to water flow in CAU river is captured.
As the catchment water balance is incomplete, site is not able to assess whether it is positive or negative or the level of scarcity.
Corrective action: The stie will continue to make face-to-face/written inquiries to public institutions to collect water balance data for the catchment. In addition, we will collect and build relevant data to determine the final water balance status of the catchment.

Finding No: TNR-014011
Checklist Item No: 1.5.6
Status: Open
Finding level: Observation
Checklist item: Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.
Findings: Site has explained that it has used WRI Aqueduct tool to assess baseline and future water risks for key water-related infrastructure facilities. The identified risks would not be specific to infrastructure facilities though as risks in the tool are determined for geographical areas and the analysis does not extend to analysing what this means for exposure for infrastructure facilities.

Finding No: TNR-013991
Checklist Item No: 1.6.2
Status: Open
Finding level: Observation
Checklist item: Initiatives to address shared water challenges shall be identified.
Findings: Most of the identified initiatives are limited to initiatives taken up by the site and does not include any initiatives taken up by other stakeholders in the catchment.

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Finding No:	TNR-013992
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:	The timeframe definition and methodology should be reviewed. Additionally, the severity rating should be reassessed.
Finding No:	TNR-013993
Checklist Item No:	1.7.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Sep-16
Checklist item:	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.
Findings:	The identified water related opportunities are only limited to site. There is no identification of opportunities in which the site can participate.
Corrective action:	We will identify opportunities for external participation in addition to activities within the site.
Finding No:	TNR-013995
Checklist Item No:	1.8.4
Status:	Open
Finding level:	Observation
Checklist item:	Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.
Findings:	There are no best practices identified for site maintenance of Important Water-Related Areas for other industries or for the catchment.

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Finding No:	TNR-013997
Checklist Item No:	2.3.2
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Sep-16
Checklist item:	<p>A water stewardship plan shall be identified, including for each target:</p> <ul style="list-style-type: none">- How it will be measured and monitored- Actions to achieve and maintain (or exceed) it- Planned timeframes to achieve it- Financial budgets allocated for actions- Positions of persons responsible for actions and achieving targets- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.
Findings:	<p>There is no link between target and the achievement of best practices to help address shared water challenges and the AWS outcomes. Site has tabulated in a column about how the targets will be measured and monitored, but there is no clarity about how these will be monitored. There are a no. of targets which are regular monitoring activities and already in place. These identified targets does not have clear resemblance as to which AWS outcomes is improved from this</p>
Corrective action:	<p>We will set specific goals and improve monitoring methods for each target and action so that they can be monitored using quantitative indicators.</p>
Finding No:	TNR-013998
Checklist Item No:	2.4.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Sep-16
Checklist item:	<p>A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</p>
Findings:	<p>Site has mentioned that it had developed a plan to mitigate identified water risks. But, there is no evidence of development of plan in co-ordination with relevant public-sector and infrastructure agencies to mitigate the identified risks.</p>
Corrective action:	<p>We will develop future mitigation or adaptation plans for identified water risks in collaboration with public-sector and infrastructure agencies.</p>

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Finding No:	TNR-012426
Checklist Item No:	3.7.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2025-Sep-16
Checklist item:	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.
Findings:	There are no indirect water use targets set in the water stewardship plan.
Corrective action:	The site will set more direct and clear objectives for improving indirect water use and perform activities accordingly
Finding No:	TNR-014005
Checklist Item No:	4.1.1
Status:	Open
Finding level:	Observation
Checklist item:	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.
Findings:	There are a no. of actions for various targets which are regular maintenance / monitoring activities and already in place. These identified actions do not have clear resemblance as to which AWS outcomes is improved from them and need not be part of WS plan.
Finding No:	TNR-014008
Checklist Item No:	4.1.3
Status:	Open
Finding level:	Observation
Checklist item:	The shared value benefits in the catchment shall be identified and where applicable, quantified.
Findings:	<p>There is no linkage between some of the identified shared value benefits and the targets in water stewardship plan, e.g.</p> <ul style="list-style-type: none">- For target "Strengthen compliance with regulatory trends and sharing the latest technologies", shared value benefit achieved is "Change of perception as a legal entity" through Social Value Creation.- For target "Minimize the impact of local river water quality" against the shared water challenge "Water pollution in the water supply", shared value benefit achieved is "Analyze the water quality of Reo stream and the confluence of Reo stream with Cau River to evaluate the water quality so that nearby local people can feel secure in using it (transportation, irrigation,...)" through Social Value Creation.

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Finding No:	TNR-014009
Checklist Item No:	4.4.1
Status:	Open
Finding level:	Observation
Checklist item:	The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.
Findings:	<p>There are no relevant modifications observed in the water stewardship plan as there are no feedback / suggestions received from stakeholders on the water stewardship performance.</p> <p>The site should explore other methods of engagement with stakeholders for attaining their feedback and suggestions so as to incorporate the relevant ones in the water stewardship plan for collaborative action.</p>

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Report Details

Report	Value
Report prepared by	Amit Singh
Report approved by	Ozge GOKMEN
Report approved on (Date)	08/11/2024

Surveillance

Proposed date for next audit	2025-Sep-15
Comment	The proposed date for first Surveillance Audit is 15/09/2025.

Stakeholder Announcements

Date of publication	Location
	AWS website
	WSAS website
26/07/2024	Samsung Vietnam website
Comment	<p>The link for publication of the Stakeholder Announcement at AWS website is: https://a4ws.org/wp-content/uploads/2024/07/AWS-000745-Samsung-Vietnam-SEVT-StakeAnn-R1.pdf</p> <p>The link for publication of the Stakeholder Announcement at WSAS website is: https://a4ws.org/wp-content/uploads/2024/07/AWS-000745-Samsung-Vietnam-SEVT-StakeAnn-R1.pdf</p> <p>The link for publication of the Stakeholder Announcement at Samsung website is: https://news.samsung.com/vn/sev-va-sevt-thong-bao-ke-hoach-danh-gia-chung-nhan-lien-minh-quan-tri-nuoc-aws</p> <p>Site has also displayed the stakeholder announcement at the plant entrance.</p>

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Catchment Information



Catchment.jpg

Catchment Information

Site is located in Thai Nguyen Province of Vietnam and situated at the Cau River catchment and Cong river sub-catchment.

The site receives tap water which is supplied from Yen Binh Water Purification Plant. The tap water is treated and used as process water for cooling towers and facilities, R&D, CNC, assembly, etc., and as drinking water, toilets, firefighting, landscaping.

Water collected from Nui Coc Lake in the Cong River catchment is supplied to the site through two main lines. Part of the city water is supplied to the site through Line 1, which passes through Yen Binh Water Intake Station located near Nui Coc Lake. Part of the city water is supplied to 'Yen Binh 1 Water Intake Station' and 'Yen Binh 2 Water Intake Station' near the site through Line 2, which is about 30km long from Nui Coc Lake, and then supplied to SEVT site after treatment.

Wastewater generated from the site is treated in the internal water sewage treatment plant and then sent to the water sewage treatment plant in Yen Binh Industrial Park. The treated wastewater is discharged into Cau River through Reo Stream.

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Client Description and Site Details



Site.jpg

Client/Site Background

Samsung Electronics Viet Nam Thai Nguyen Co. Ltd. (SEVT) site is involved in manufacturing of electronic products and accessories at the plant located in Khu Công Nghiệp Yên Bình, Dong Tiến, Phổ Yên, Thai Nguyên, Vietnam. It is situated in the Cau River catchment. The site is around 65 kms away from the capital city of Hanoi. The nearest airport to site is Noi Bai International Airport which is 47 kms from site.

The site receives tap water which is supplied from Yen Binh Water Purification Plant. The tap water is treated and used as process water for cooling towers and facilities, R&D, CNC, assembly, etc., and as drinking water, toilets, firefighting, landscaping.

Summary of Shared Water Challenges

Summary of Shared Water Challenges

Site has carried out survey with stakeholders to identify the shared water challenges. The identified shared water challenges are listed below:

- Water pollution (wastewater / sewage)
- Drought and water shortage risk
- Heavy rainfall and flood risk
- Water pollution in water sources
- Destruction of aquatic ecosystems and decline in biodiversity
- Lack of communication and cooperation between government/regulatory agencies, businesses, and civic groups
- WASH issues among vulnerable populations

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0.1 General Requirements for Single Sites, Multi-Sites and Groups	
0.1.1	<i>Eligibility Criteria</i>
0.1.2	
0.1.2.1	<p><i>Have any water source locations and water-related discharge locations been visited during the audit, if so, which and where? If none were visited please provide justification.</i></p> <p>Comment The input water source for site is through Nui Coc lake. Site has two input water pipelines: one direct water intake from Yen Binh Water Intake Station located at Phu Triu Commune (near Nui Coc lake) and other one from Yen Binh 1 Water Intake Station / Yen Binh 2 Water Intake Station located at Dong Tien Ward, Pho Yen City.</p> <p>The treated wastewater from site is supplied to Yen Binh Sewage Treatment Plant for further treatment and then discharged to Reo stream which finally connects to Cau river at the downstream.</p> <p>The water source location and wastewater discharge locations were visited during the audit.</p>
0.1.1.1	<p><i>The site(s) occupy one catchment OR an exception has been granted.</i></p> <p>Comment The site occupy one catchment i.e. Cau River catchment and Cong river sub-catchment.</p>
0.1.1.2	<p><i>The scope of the proposed certification shall be under the control of a single management system.</i></p> <p>Comment The scope of the proposed certification is under the control of a single management system.</p>
0.1.1.3	<p><i>The scope of the proposed certification shall be homogeneous with respect to primary production system, water management, product or service range, and the main market structures.</i></p> <p>Comment The Site production system is homogeneous.</p>

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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.



Comment SEVT site is located in Yen Binh Industrial Park, Dong Tiễn, Phở Yên, Thai Nguyên, Vietnam. The site boundaries have been defined and presented in the supporting evidence.

Site water related infrastructure is mapped and consists of input water flowmeters for SEVT1 & SEVT 2, water storage tanks, water and wastewater piping, wastewater treatment plants at SEVT1 and SEVT2. Site has presented piping layout covering City water, Drinking water, pump room, central utility building, various Buildings, canteen, office, wastewater treatment plants, etc.

The input water source for site is through Nui Coc lake which lies in Cong river sub-catchment. Site has two input water pipelines: one direct water intake from Yen Binh Water Intake Station located at Phu Triu Commune (near Nui Coc lake) and other one from Yen Binh 1 Water Intake Station / Yen Binh 2 Water Intake Station located at Dong Tien Ward, Pho Yen City.

The treated wastewater from site is supplied to Yen Binh Sewage Treatment Plant for further treatment and then discharged to Reo stream which finally connects to Cau river at the downstream.

Site is situated in between the Cau River catchment and Cong river sub-catchment.

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.



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Comment	<p>The site had identified the stakeholders under following categories - Local government, neighboring companies, Universities, Employees, Regulatory authorities, NGO's, partner, group companies and suppliers / service providers, Local residents and farmers. The identified stakeholders were listed in an excel sheet - Stakeholder Mapping.</p> <p>An stakeholder survey was conducted involving the above stakeholder / stakeholder groups to enlist data including - how stakeholders are connected to the organization, water-related concerns or challenges faced by stakeholders, etc.</p> <p>The Stakeholder Power, Interest, and Engagement Matrix was also created for the identified stakeholders.</p>	
		Finding No: TNR-012401
1.2.2	<i>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.</i>	Q Obs.
Comment	Site has identified the stakeholders and tabulated the stakeholder matrix capturing the interest & influence of stakeholder on site and influence of site on stakeholder.	
1.3	<i>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.</i>	
1.3.1	<i>Existing water-related incident response plans shall be identified.</i>	Q Obs.
Comment	<p>Site has identified emergency response scenario list and provided SOP's for the following Water related incident scenarios:</p> <ul style="list-style-type: none"> - Scenarios_Cut off water provided by the supplier - Scenarios_Exceeding the output water quality standard - Scenarios_Soil pollution caused by chemical leaks and sewage - Scenarios_Spilling chemicals at CCSS - Scenarios_Spilling Chemicals at Line Anodizing - Scenarios_Spilling chemicals at the chemical warehouse - Scenarios_Spilling waste oil - Scenarios_Stop the water supply _ Pipeline leakage - Scenarios_Storm and flood - Scenarios_Water breakdown <p>Additionally, relevant departments periodically conduct training to respond to water-related emergencies. After the training is over, the person in charge will conduct a review of the training situation and an evaluation of the overall scenario, proficiency, etc.</p>	
1.3.2	<i>Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</i>	✓ Yes
Comment	Site has mapped the City water supplied by the Yen Binh Water Intake Station and Yen Binh1, 2 Intake Station. The water is stored in the storage tanks for SEVT 1 and SEVT 2. Site has mapped the storage tanks and the water used in the premises for Central Utility building, process buildings, dormitory, firefighting, office, canteen and landscaping. The wastewater from the process is treated at the wastewater treatment facility located at both SEVT 1 and SEVT 2. The treated wastewater is then discharged to Yen Binh Wastewater Treatment Plant which after further treatment is discharged to Reo stream which ultimately connects to Cau river. The losses at cooling towers and boiler have been estimated and mapped.	
1.3.3	<i>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.</i>	✓ Yes

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Comment	Site has quantified the water inflow to SEVT 1 and SEVT 2, water usage at different sections (including buildings, water losses at cooling tower & boiler, landscaping water, domestic usage, etc.). Total volumetric flow rates for year 2022 and 2023 have been presented by site.	
1.3.4	<i>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.</i>	 Yes
Comment	For monitoring the water quality of Nui Coc Lake (initial water source), site refers to the results measured quarterly by the Yen Binh water purification plant. For monitoring water quality of water supply to site through Yen Binh water purification plant, site refers to the monthly results measured by Yen Binh organization. SEVT site conducts water quality analysis of drinking water in restaurants. Canteen 1, 2, 3, and 4 monitor the results of drinking water analysis for 35 items once a month. Periodic analysis is also conducted on water purifiers in the site. Analysis is done once every six months on wastewater with high pollution discharged from a specific building among the wastewater generated at the site. Pollution level of direct discharge water from the CUB building is monitored on monthly basis. The wastewater generated from the site and treated is analyzed for 28 items every month. The wastewater treatment plants at site are equipped with a Tele Metering System. The discharge water from the water sewage treatment plant in the Yen Binh Industrial Complex where the SEVT site is located is analyzed for 29 items every month and monitored.	
1.3.5	<i>Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.</i>	 Yes
Comment	Site has identified the following potential sources of contamination / pollution: - Chemical storage and use facilities - Hazardous materials warehouses - Oil tanks - Transformers - Emergency generators - Wastewater treatment plants - Waste storage sites Site has also provided list of chemicals used by various departments during 2022 and 2023.	
1.3.6	<i>On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.</i>	 Yes
Comment	Site has identified the 'ponds' at SEVT 1 and SEVT 2 within the site as On-site IWRA as these have social values associated with the employees of site. Site has identified the status of IWRA as "Good condition requiring little work apart from protection". Site analyses water quality of the pond for a total of 28 items including pH, DO, TSS, COD, BOD, and Coliform every quarter to determine if it is polluted and also take pictures of the pond to assess the condition of IWRA.	
1.3.7	<i>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.</i>	 Yes

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Comment The water related costs have been identified by site and include the following:

- Water supply costs
- Water-related facility investment costs, and
- Repair costs
- Water sewage treatment plant operating costs (electricity, chemicals, sludge treatment and repair costs, TMS management costs, and labor costs)

SEVT site does not generate any revenue from the sale of water.

SEVT site has listed the activities through which it has created social value, cultural value, environmental value and economic value.

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



Yes

Comment Site has listed the WASH facilities such as sanitary facilities, water purifiers at different locations of plant.
Site has compared the actual WASH facilities (Toilets, shower rooms, handwash stations) at site with the WASH facilities as per legal requirement which indicates that the site provides adequate access to safe and clean water, sanitation, and hygiene facilities for all employees and visitors.

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.*



in progress

Comment Site has presented data for suppliers for the Samsung DX division in which the suppliers include for all Samsung DX division sites and not only of suppliers for SEVT site. The data shows water usage of 179 partners across SEVT sites. Out of the 179 partners surveyed, site has identified that 6 partners accounted for more than 1% of the total purchase amount, 2 partners are located within the site catchment, and 4 partners are located outside the catchment.

Site has mentioned that it has used the WRI Aqueduct tool, to check the physical risk quantity, physical risk quality, and regulatory and reputational risk levels for 27 partners in the Cau river and Cong river catchments.

Finding No: TNR-012406

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



in progress

Comment Site has presented water consumption data for employee transport services (including 8 / 45 seater commuting bus for employees and truck). The water consumption is estimated which mentions 40 ltr. of water for 8 seater commuting bus and 120 ltr. for 45 seater commuting bus and truck.

In addition to above site has also shared data of water consumption of resident partners (in house service providers). There is no other data provided for the indicator.

Finding No: TNR-013985

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



No

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Comment	The site has presented data for suppliers for the Samsung DX division in which 2 suppliers are located outside the catchment. There is water consumption data for 1 supplier and for other is not available. The site has not reviewed the data provided by suppliers and not engaged with them	
	The site has not provided any evidence of engagement or communication of the site with the suppliers within the catchment for gathering water-related information.	
1.5	<i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i>	
1.5.1	<i>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.</i>	Obs.
Comment	Site has identified and tabulated various Water-related public policies and major public led initiatives along with their respective Purpose, relevant goals, brief explanations linking with possible AWS outcomes and possible impact.	
1.5.2	<i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i>	Yes
Comment	Site has identified the list of environmental laws and highlighted water resources law which the site has to comply with. The document maintains the latest version of environmental laws and agreements, other requirements, and details applicable to the site. There are no restrictions on the amount of water supply, based on the quantity of water and wastewater the charges are being paid.	
1.5.3	<i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i>	in progress
Comment	Site has gathered information for average daily water flow rate in CAU river for year 2022 and 2023. In addition to above, site has also gathered information about Nui Coc Lake inflow / outflow data for January and partly of February 2022. Site is already in communication with the relevant authorities and has stated that it will gather information and prepare catchment water balance.	
Finding No: TNR-012409		
1.5.4	<i>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.</i>	Yes
Comment	Site has captured Water Quality data at various locations in the Cau river and Cong river covering both upstream and downstream of site. The seasonal variance of various parameters have also been mapped. The presented water quality data is for year 2022 and 2023.	
1.5.5	<i>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.</i>	Yes

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Comment	<p>Site has identified 6 nos. of IWRA's at catchment:</p> <ul style="list-style-type: none"> - Nui Coc Lake - Reo stream point receiving surface water from SEVT - Before the wastewater discharge point of Yen Binh wastewater treatment plant - After the wastewater discharge point of Yen Binh wastewater treatment plant - Reo stream point at downstream of Yen Binh industrial park - Intersection point between Reo stream and Cau river <p>The site analyzes the water quality of Off-site IWRA's on quarterly basis through external vendor (CEC) to detect any pollution for parameters such as pH, BOD, COD, TSS.</p> <p>Site has also assessed the condition of these IWRA's and mentioned as - "Acceptable condition but would benefit from improvement".</p>	
1.5.6	<i>Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</i>	 No
Comment	<p>Site has identified the following major water related infrastructures for site:</p> <ul style="list-style-type: none"> - Yen Binh Intake station piping from Nui Coc lake to site - Yen Binh 1 Clean water purification plant piping to site - Yen Binh 2 Clean water purification plant piping to site - Yen Binh Sewage Treatment Plant piping from site <p>Site has provided document for "Nui Coc Lake natural disaster response process" for documents related for infrastructure.</p> <p>Site has mentioned that it has used WRI Aqueduct tool to assess baseline and future water risks for site's key water-related infrastructure facilities. The identified risks would not be related to infrastructure facilities as these are for specific areas and not for infrastructure facilities.</p>	
Finding No: TNR-014011		
1.5.7	<i>The adequacy of available WASH services within the catchment shall be identified.</i>	 Yes
Comment	<p>Adequacy of available WASH services within the province and region level identified based on the government Statistical yearbook 2023. There has been no discussion with the stakeholders to achieve confirmation on the same.</p> <p>Based on discussion with stakeholders, it was observed that there are some gaps in availability of WASH services in the catchment.</p> <p>Site has analysed and presented following WASH related data:</p> <ul style="list-style-type: none"> - Percentage of population using hygienic water source (%) - Percentage of household using toilet (%) - No. of health establishments under provincial departments of health by province - No. of patient beds under provincial departments of health by province 	
1.5.8	<i>Advanced Indicator Efforts by the site to support and undertake catchment level water-related data collection shall be identified.</i>	 Yes
Comment	<p>Site has made efforts to undertake catchment level water-related data collection related to water quality & water balance and has also shared water quality data of streams with stakeholders.</p> <p>SEVT site collects data by the Department of natural resources and environment of Thai Nguyen (Bộ Tài nguyên và Môi trường) to monitor water-related data.</p> <p>SEVT site has shared the results of voluntarily conducted water quality tests on surrounding rivers and discharge areas and catchment water balance data with stakeholders in the catchment.</p>	
Score	6	

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1.5.9	<i>Advanced Indicator</i> <i>The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.</i>	 No
Comment	<p>At indicator 1.4.3, site has identified 4 no. of primary inputs suppliers from different catchments.</p> <p>The site has referred to the statistical yearbook data published by the Statistics Office, Vietnam for two of the suppliers which are outside the site's catchment but have not identified specific data for the catchment suppliers. The site has gathered representative data from one of the overseas suppliers.</p> <p>There is no evidence of engagement of the site with suppliers to gather information on the catchment level water-related data to get representative data of the catchment and wherever there is a gap, activities could be planned for adequate WASH services.</p>	
1.6	<i>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</i>	
1.6.1	<i>Shared water challenges shall be identified and prioritized from the information gathered.</i>	 Yes
Comment	<p>Site has conducted an initial stakeholder survey involving employees, agencies and Regulatory authorities, environment conservation organization, nearby & partner companies, etc. to identify water resource issues in the site's catchment. Site has identified the following shared water challenges and prioritised them on the basis of same:</p> <ul style="list-style-type: none"> - Water pollution (wastewater / sewage) - Drought and water shortage risk - Heavy rainfall and flood risk - Water pollution in water sources - Destruction of aquatic ecosystems and decline in biodiversity - Lack of communication and cooperation between government/regulatory agencies, businesses, and civic groups - WASH issues among vulnerable populations 	
1.6.2	<i>Initiatives to address shared water challenges shall be identified.</i>	 Obs.
Comment	<p>Site has identified the initiatives to address shared water challenges.</p> <p>For the shared water challenge - "Water pollution in water sources", initiatives of stakeholders are also identified.</p>	
1.6.3	<i>Advanced Indicator</i> <i>Future water issues shall be identified, including anticipated impacts and trends</i>	 Yes
Comment	<p>Site has identified the following categories which would lead to future water issues:</p> <ul style="list-style-type: none"> - Water availability / scarcity due to Population change - Decreased risk of water scarcity due to Industry change - Likelihood of extreme weather events such as heavy rains, floods, and typhoons due to observed climate trends - High risk of climate-related events may pose a threat to water-related infrastructure 	
Score	3	
1.6.4	<i>Advanced Indicator</i> <i>Potential water-related social impacts from the site shall be identified, resulting in a social impact assessment with a particular focus on water.</i>	 No
Comment	<p>Site has not identified potential water-related social impacts yet.</p>	
1.7	<i>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.</i>	

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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.* Q
Obs.

Comment The severity of impact and likelihood of 17 water risk factors were assessed based on the results of a water risk survey involving public institutions and the opinions from the site.

- 1) Water scarcity
- 2) Sudden infrastructure failure, such as breaks or leaks, leading to interruption of water supply
- 3) Contamination outbreak in water source or supply (e.g. from pollution in reservoir, or leaky pipework)
- 4) Inadequate access to water, sanitation, and hygiene services
- 5) Restriction of water supply due to extreme natural events (e.g. earthquake, typhoon, freezing pipes and extreme cold)
- 6) Restriction of water supply due to drought
- 7) Restriction of water supply due to flood
- 8) Restriction of water supply due to Heavy precipitation
- 9) Poor water quality due to failure of public wastewater treatment system
- 10) Increasing water withdrawal charges
- 11) Sudden infrastructure failure, such as breaks or leaks, leading to interruption of water use
- 12) Poor water quality due to failure of on-site wastewater treatment system
- 13) Violation of discharged standard of effluent
- 14) Water-related litigation
- 15) Negative media coverage
- 16) Increased negative communities feedback due to site's violations
- 17) Increased negative communities feedback that site has a negative impact on the water ecosystem

The risks were categorized into four groups: physical risks (general), physical risks (site), regulatory risks, and reputational risks. Prioritization of water risks was determined, along with their business and financial impact. Prioritization was classified into 'High', 'Medium-high', 'Medium', 'Medium-low', and 'Low'. Water risk factors with a priority rating of 'Medium' or higher were subject to the plan to address identified water risks.

The timeframe for each risks have been selected as either of the following:

"1-3 years"

"4-6 years"

"More than 6 years"

The site needs to recheck and define the possible timeframe for each risk as the selection seems to be impractical in some cases. For example, for Risk 15 - "Negative media coverage", the site has selected the timeframe as "More than 6 years". How has this timeframe been defined.

The severity has not been correctly defined. For example, for Risk 3 - the severity has been identified as Medium-low but if there is contamination in water source, the severity could be very high.

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

Comment Three types of opportunities have been identified by site - Efficiency, Resilience and Markets with the following opportunities how site can participate:

- Reuse all RO wastewater from DI systems to feed the Cooling system
- Reuse of line RO wastewater supplied to city water tank DI system
- Reduce washing water due to changes in the air conditioning filter cleaning cycle
- Installation of hand sanitizer booster head equipment to save water
- Adjusting the flush volume of toilet (6L --> 5L)
- Continuously update legal changes, meet requirements and assess compliance
- Proactively respond to legal changes through closer monitoring of regulations; no lawsuits arise enhancing the company's image and brand value

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1.8	<i>Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</i>	
1.8.1	<i>Relevant catchment best practice for water governance shall be identified.</i>	✓ Yes
Comment	Site has identified water governance best practice of other industries and which the site is implementing.	
1.8.2	<i>Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.</i>	✓ Yes
Comment	Site has identified water balance best practice of other industries (outside the catchment and within the catchment) and which the site is implementing.	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	✓ Yes
Comment	Site has identified water quality best practice of other industries (outside the catchment and within the catchment) and which the site is implementing.	
1.8.4	<i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i>	Q Obs.
Comment	Site has identified best practice for maintenance of Important Water-Related Areas which the site is implementing.	
1.8.5	<i>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</i>	✓ Yes
Comment	Site has identified best practice by other industries outside the catchment for provision of adequate WASH services.	

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2	STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	<i>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.</i>	
2.1.1	<i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i> <ul style="list-style-type: none"> - 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	Site has presented the commitment document (both in local language and in English) covering the required commitments. The same was disclosed at company's website in June 2024 and is also displayed at plant entrance notice board at Gate No. 3.	
2.1.2	<i>Advanced Indicator</i> <i>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.</i>	 Yes
Comment	Site has identified the commitment letter being signed by the Corporate EVP / Head of subsidiary for SEVT / SEV site. The commitment is disclosed at company's website and the link for same is https://news.samsung.com/vn/aws-lien-minh-quan-tri-nuoc	
Score	1	
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>	
2.2.1	<i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i> <ul style="list-style-type: none"> - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies. 	 Yes
Comment	Site has prepared an organisation chart (Water_related_organization_chart_postings) with name of persons and responsibilities of person including the compliances with Water Resource Permitting, Water Resource Quantity Monitoring, Water Resource Operations and Monitoring legal compliance. There is a defined process for license management and SEVT site submits the required environmental protection report to the Environment department.	
2.3	<i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i>	
2.3.1	<i>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.</i>	 Yes

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Comment	The site has defined the Samsung Electronics's mission, vision, and goals for all five AWS outcomes and established a water stewardship strategy accordingly.	
2.3.2	<p><i>A water stewardship plan shall be identified, including for each target:</i></p> <ul style="list-style-type: none"> - 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. 	Q Obs.
Comment	<p>Site has prepared a water stewardship plan and linked with various AWS outcomes. The water stewardship plan covers actions to achieve the target (and in some cases to maintain the target); timeframes are defined for each target; financial budgets are allocated for relevant targets with name & deptt. of persons responsible to achieve target.</p> <p>There is no link between target and the achievement of best practice to help address shared water challenges and the AWS outcomes.</p> <p>Site has tabulated in a column about how the targets will be measured and monitored, but there is no clarity about how these will be monitored, e.g.</p> <ol style="list-style-type: none"> 1. For target - Sustainable business activities, the method of monitoring is mentioned as "Declarations in press releases or reports, etc". 2. For target - Zero legal punishment, the method of monitoring is mentioned as "Number of business administrative dispositions" <p>There are a no. of targets which are regular monitoring activities and already in place. These identified targets does not have clear resemblance as to which AWS outcomes is improved from this, e.g. Perform maintenance of utility equipment related to water management.</p>	
2.3.3	<p><i>Advanced Indicator</i></p> <p><i>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.</i></p>	✓ Yes
Comment	<p>Site has performed water stewardship activities with other sites within the same catchment such as:</p> <ul style="list-style-type: none"> - Cleanup activities alongwith UBND (People's Committee for Thanh Cong Community) at Suoi Lanh Lake, etc. - River cleaning activities in the site catchment with residents of Pho Yen and nearby areas - MOU signed to support the installation and replacement of pump facilities for agricultural water supply targeting villages in Dinh Hua County and Phu Binh County - Support the establishment of classrooms, restrooms, restaurants, and educational and health activities at Samsung Hope School. - Cleaning up the Dam of Khe Mo, Dong Hy district 	
Score	4	
2.3.4	<p><i>Advanced Indicator</i></p> <p><i>The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be identified.</i></p>	✗ No

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Comment	<p>Site has identified the following water stewardship activities with other sites in another catchment:</p> <ul style="list-style-type: none"> - An educational trip to Samsung Electronics DX Gumi site to strengthen its capabilities in AWS certification response and internal water management during February 2024 - Visit to HONDA's Vinh Phuc factory to conduct a benchmarking activity to identify possible improvements to the internal water treatment facility during June 2024 - Visit of university students from VNU - University of Science and University of Transport Technology (Ha Noi) to introduce the students on the environmental protection activities of SEVT during 2022. <p>There are no relevant water stewardship activities performed with other sites in another catchment.</p>	
2.3.5	<p><i>Advanced Indicator</i></p> <p><i>Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be identified.</i></p>	 No
Comment	<p>Site has conducted a survey with stakeholders to inquire whether the site's activities outlined in the plan effectively contribute to the AWS's five main outcomes.</p> <p>The site did not receive any comments / suggestions for improvement. The site should engage more with the stakeholders (explore efficient methods of engaging with stakeholders other than just sharing the survey form and seeking the response - YES or NO).</p>	
2.4	<p><i>Demonstrate the site's responsiveness and resilience to respond to water risks</i></p>	
2.4.1	<p><i>A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</i></p>	 in progress
Comment	<p>Site has presented a document with the actions to address the identified 17 water risks.</p> <p>Finding No: TNR-013998</p>	
2.4.2	<p><i>Advanced Indicator</i></p> <p><i>A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</i></p>	 No
Comment	<p>For the identified risk - "Restriction of water supply due to extreme natural events", site has identified action developed by site themselves for "Use the company's reserve water tank (18,000 m3 tank)" to address the water risk.</p> <p>Site has mentioned that it had conducted a climate change-related water risk list and response plan validation with a water-related expert. The expert provided positive feedback that the site's water-related risk and response plan within the water risk list is complete and very realistic.</p> <p>There is no specific plan to adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies.</p>	

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3 STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts
<p>3.1 <i>Implement plan to participate positively in catchment governance.</i></p>
<p>3.1.1 <i>Evidence that the site has supported good catchment governance shall be identified.</i> ✔ Yes</p>
<p>Comment</p> <ul style="list-style-type: none"> - SEVT site established AWS TF team for efficient water resource management. - SEVT site participated in a water-related workshop to improve water governance capacity. - Site officials attended the 'Water Management Seminar in Response to Climate Change' hosted by WSAP (Water Asia Pacific Management Alliance) in April 2024. The seminar was conducted as an education program including the contents of 'Sustainable Water Management in Response to AWS, Vietnam Water Management Policy, etc.' - Site officials attended an exchange seminar hosted by BTNMT Climate Change Bureau in June 2024 and shared information on climate change-related regulations and national plans. <p>In April 2024, SEVT site held a seminar with stakeholders for introduction to AWS, Samsung Electronics' goals, the site's water-related organization chart, best practices, and sharing cases of improving water efficiency.</p>
<p>3.1.2 <i>Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.</i> ✔ Yes</p>
<p>Comment</p> <p>SEVT site carries out river cleanup activities with stakeholders every year to commemorate World Water Day and Environment Day. In 2024, cleanup activities were carried out in Suoi Lanh Lake and Khe Mo commune in the site catchment.</p> <p>SEVT site donated 8 water purifiers to schools in Dinh Hoa District, Thai Nguyen City and another 8 water purifiers to schools in Dong Hy District, Thai Nguyen City in March 2024</p> <p>SEVT site has opened restrooms located at the site's gate so that anyone can use them. The restrooms are maintained with hygiene products and cleanliness.</p> <p>The above shows that the site supports and respect the water rights of others.</p>
<p>3.1.3 <i>Advanced Indicator</i> <i>Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified.</i> ✔ Yes</p>
<p>Comment</p> <p>Site improved its internal water governance capabilities by establishment of AWS Task Force team in March 2024. The TF team is composed of members from the EHS / Infra groups to support internal water management and catchment activities.</p>
<p>Score</p> <p>2</p>
<p>3.1.4 <i>Advanced Indicator</i> <i>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.</i> ✔ Yes</p>
<p>Comment</p> <p>The site prepared and shared the AWS Outcomes evaluation, which includes information on water management performance, with various stakeholders.</p> <p>The above was shared in the form of survey and SEVT site received consensus from stakeholders that the site is seen as positively contributing to the good water governance.</p>
<p>Score</p> <p>2</p>
<p>3.2 <i>Implement system to comply with water-related legal and regulatory requirements and respect water rights.</i></p>

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3.2.1	<i>A process to verify full legal and regulatory compliance shall be implemented.</i>	 Yes
Comment	<p>SEVT site has a defined process for license management and SEVT site submits the required environmental protection report to the Environment department. Site submits Annual Environmental Report to the Ministry of Natural Resources and Environment once a year. The report includes an inspection of the overall environmental information related to water quality, air, waste, etc.</p> <p>The environmental information disclosed includes the status of violations of environmental laws and regulations, so as to check whether the site is complying with legal regulations.</p>	
3.2.2	<i>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.</i>	 Yes
Comment	<p>There are no specific legal regulations that the site must comply with to respect water rights. Water is being provided by government authorities to the people in the catchment.</p>	
3.3	<i>Implement plan to achieve site water balance targets.</i>	
3.3.1	<i>Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.</i>	 Yes
Comment	<p>Site has identified the progress against the actions for meeting both of the water balance targets set in the water stewardship plan.</p>	
3.3.2	<i>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.</i>	 Yes
Comment	<p>Site has presented the estimated water savings from the following water saving projects in order to achieve 3 % reduction target set by site.</p> <ul style="list-style-type: none"> - Reuse all RO wastewater from DI systems to feed the Cooling system - Reuse of line RO wastewater supplied to city water tank DI system - Reduce washing water due to changes in the air conditioning filter cleaning cycle - Reduce toilet water due to changing scrubber cleaning cycle - Reuse of posttreatment water for cleaning the WWT production deposition tank - Installation of hand sanitizer booster head equipment to save water - Adjusting the flush volume of toilet (6L --> 5L) 	
3.3.3	<i>Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.</i>	 Yes
Comment	<p>According to regulations, the site is not subject to legally-binding obligations regarding water reallocation. However, the site has signed an MoU to provide support with fire trucks and firefighting water in case of fire in the industrial park / province.</p>	
3.3.4	<i>Advanced Indicator The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified.</i>	 Yes
Comment	<p>Site has voluntarily participated in MoU for supporting the Industrial Park to provide water for Fire related incidents.</p> <p>SEVT site has been regularly supporting fire trucks and firefighting water for fire drills and emergency situations every year. Considering the number of fire trucks supported on the scene, fire truck specifications, and number of dispatches, water usage is estimated to be approximately 60 tons in 2022, 70 tons in 2023, and 90 tons in 2024.</p>	
Score	6	

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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 Site has identified progress against actions for the following targets:

- 100% compliance with water-related legal regulations
- Zero legal punishment
- 100% compliance with internal IWRA water quality standards
- Maintaining Adequate Water Supply and Utilities
- Perform maintenance of utility equipment related to water management

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

Yes

Comment In order to reduce negative water impacts of site operations, SEVT site sets and complies with in-house water quality standards that are stricter than legal standards, i.e. 50% below the legal standard.

Although there is no legal obligation, site has installed TMS to monitor compliance with in-house water quality standards in real time.

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 Site has implemented the practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas such as quarterly water quality analysis / monitoring the condition of IWRA's.

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

Yes

Comment Site has engaged with stakeholders comprising of 50 SEVT employees, 30 residents, unionists, youth of Khe Mo commune for cleaning up the dam of Khe Mo, Dong Hy district for improvement in the current condition of IWRA. Site has also provided before and after pictures of the IWRA. Based on the images and discussion with stakeholders, it is clear that the site has been engaging with stakeholders to improve the condition of Important Water-Related Areas.

Score 6

3.5.3 Advanced Indicator Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be identified.

Yes

Comment The site prepared and shared the AWS Outcomes evaluation, which includes information on water management performance, with stakeholders.

The above was shared in the form of survey and received consensus from stakeholders that the site is seen as positively contributing to the healthy status of Important Water-Related Areas.

The stakeholder survey results show that the site's IWRA water quality mapping was effective and gave trust to the local resident for using water for agriculture.

Score 2

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3.6	<i>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.</i>	
3.6.1	<i>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.</i>	Yes
Comment	The site provides adequate access to safe and clean water, sanitation, and hygiene facilities for all employees and visitors. Site has provided water purifiers, restrooms, showers, and hygiene facilities for all employees and the number of facilities in the workplace are more than the required facilities as per norms.	
3.6.2	<i>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.</i>	Yes
Comment	Site has been working towards reducing the water consumption at site and discharging the treated wastewater from site. Site has provided access to WASH facilities for outside population. From the above it can be stated that the site is not impinging on the human right to safe water and sanitation of communities through their operations.	
3.6.3	<i>Advanced Indicator A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be identified.</i>	Yes
Comment	Site has taken following actions to support the stakeholders in the catchment for access to safe drinking water, adequate sanitation and hygiene awareness: - SEVT site has provided 8 water purifiers to schools in Dinh Hoa District and 8 water purifiers to schools in Dong Hy District - SEVT site has opened employee toilets & drinking water facility at site's entrance to open to public for usage - Construction of schools including toilets and drinking water facilities at school - SEVT site conducted a joint sanitation inspection with Thai Nguyen Provincial Health Department targeting restaurants frequently used by employees near the site	
Score	5	
3.6.4	<i>Advanced Indicator: In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.</i>	No
Comment	WASH has been identified as shared water challenge. But, no relevant efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation. However, site has donated 8 water purification devices to schools in Dinh Hoa District and 8 water purifiers to schools in Dong Hy District.	
3.7	<i>Implement plan to maintain or improve indirect water use within the catchment:</i>	
3.7.1	<i>Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.</i>	in progress
Comment	Site has gathered water related information of suppliers. But, there are no indirect water use targets set in the water stewardship plan. Site has set target of "Exchanging best practices with the suppliers related to sustainable water balance."	

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3.7.2	<i>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.</i>	 Yes
Comment	<p>In April 2024, SEVT site held a seminar with stakeholders.</p> <p>In May 2024, the SEVT site introduced AWS certification and shared the SEVT site's AWS certification acquisition goals in a training session for partners and nearby companies.</p> <p>In August 2024, the SEVT site introduced the SEVT site's AWS Outcomes and shared water quality-related data at a meeting with partners and nearby companies.</p> <p>SEVT site has engaged with the suppliers - SEMV (Samsung Electro-Mechanics Viet Nam), ACE Antenna, HANSOL, SDIC for improving facilities to improve water efficiency of suppliers.</p>	
3.7.3	<i>Advanced Indicator Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and evaluated.</i>	 Yes
Comment	<p>Samsung Electronics has established RBA evaluation criteria, which are used to regularly assess its suppliers. These evaluations cover various aspects, including water-related criteria such as pollution prevention, resource conservation, and water pollution.</p> <p>Samsung Electronics conducts on-site inspections at supplier facilities to identify areas in need of improvement. Any identified areas requiring improvement are communicated to the suppliers, along with a request for corrective actions. Suppliers are expected to take appropriate corrective actions, and site monitors their progress until the issues are resolved.</p> <p>In May 2024, SEVT site introduced AWS certification and shared the SEVT site's AWS certification acquisition goals in training for partners and nearby companies.</p> <p>In August 2024, SEVT site introduced the SEVT site's AWS Outcomes and shared water quality-related data at a meeting with partners and nearby companies.</p>	
Score	6	
3.8	<i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</i>	
3.8.1	<i>Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.</i>	 Yes
Comment	<p>SEVT site conducted inspection activities of water-related infrastructure facilities to resolve shared water challenge and water risks. The stability of water quality and infrastructure facilities of Yen Binh Water purification plant, which supplies water to SEVT site, are important factors that SEVT must manage to secure a stable water supply.</p> <p>SEVT site signed an agreement with Thai Nguyen Province in April 2024 for a Water related project. The project is to resolve water shortages by installing water supply pumping facilities and replacing old pumps in rural areas within the catchment where water inflow is difficult. SEVT site has engaged with authorities to replace old pumps in Phu Binh District in June 2024, and new installations scheduled for Dinh Hoa District in future. Through the above two projects, 97,000 tons of water is expected to be restored by the in 2024.</p>	
3.9	<i>Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</i>	
3.9.1	<i>Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.</i>	 Yes

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Comment	<p>Site has implemented actions towards achieving best practice, related to water governance. Some of them are listed below:</p> <ul style="list-style-type: none"> - Formation of AWS TF team for water resource management - Consultations with nearby companies and suppliers to improve catchment water resource efficiency - Participated in workshops (such as Climate Change conference, Water Stewardship Vietnam) to strengthen internal water governance capacity - Quarterly meeting with major stakeholders - Workshop on "Strengthening capacity and disseminating legal regulations on climate change" 	
3.9.2	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	<p>Site has implemented water balance best practices identified for other industries such as SEMV, SEV, and others within the catchment. The following activities were set as target in the WS Plan and implemented.</p> <ul style="list-style-type: none"> - Water conservation education for in-house partners - Installation of water-saving facilities related to sanitation at sites - Improving water efficiency through facility diagnosis and investment - Inspection of underground pipes to prevent pipe leakage 	
3.9.3	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 Yes
Comment	<p>Site has implemented actions towards achieving best practice, related to targets in terms of water quality and are listed below:</p> <ul style="list-style-type: none"> - Voluntary installation of TMS system for online quality monitoring of wastewater - Comply with internal standards 50% stricter than legal standards for water pollutant discharge - Inspection of Yen Binh water purification plant, water sewage treatment plant facilities - Voluntarily inspection of water quality of nearby water streams and discharge points 	
3.9.4	<i>Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	<p>Site has implemented actions towards achieving best practice, related to Important Water-Related Areas and are listed below:</p> <ul style="list-style-type: none"> - Conducting voluntary IWRA monitoring and condition assessment on quarterly basis - Conducting regular river cleanup activities of water streams in the catchment 	
3.9.5	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Yes
Comment	<p>Site has implemented actions towards achieving best practice, related to WASH and are listed below:</p> <ul style="list-style-type: none"> - Compliance with RBA regulations - WASH support for schools in the catchment by providing water purifiers - Construction of new schools with WASH facilities - Inspecting hygiene of restaurants around the site in cooperation with health centers - Information to stakeholders about availability of restrooms and drinking water facility for visitors at plant entrance 	
3.9.6	<i>Advanced Indicator Achievement of identified best practice related to targets in terms of good water governance shall be quantified.</i>	 Yes

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Comment Site has quantified the achievement of identified best practice related to good water governance by formation of AWS TF team to support internal water management and external cooperation activities.
The main activities of the SEVT AWS TF team are as follows.

- Conducted a total of 3 watershed stakeholder surveys
- Identifying water-related best practices from other companies
- Sharing water-related best practices with SEV, SEMV, and Hansol (atleast once a year)
- Sharing water quality monitoring data with SEV (sharing once in a quarter)
- Sharing plan achievement status with headquarters, SEVT, and SEHC sites (executed once a week)
- During May 2024, SEVT site conducted AWS certification in training for partners and nearby companies
- During August 2024, SEVT site introduced AWS Outcomes of the SEVT site and shared water quality-related data at a meeting attended by partners and nearby companies
- SEVT site participated in water-related workshops to improve water governance capabilities such as:
 - 1) 'Water Management Seminar in Response to Climate Change' hosted by WSAP (Water Resources Asia Pacific Management Alliance) in April 2024
 - 2) Seminar held by BTNMT Climate Change Bureau organizers and received information on climate change-related regulations and national plans in June 2024.

Score 8

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


Yes

Comment Site has estimated and quantified the savings achieved by implementation of water conservation initiatives:

- SEMV (Samsung Electro-Mechanics Viet Nam) initiatives to improve water efficiency since April 2024, resulting in water savings
- SEVT installed water-saving faucets at bathroom sink faucets on site, reducing water usage from 8L/min to 3L/min, and annual water usage reduction
- Additionally, water saving device installed in toilet flushing from 6L of water used per time to 5L of water used per time, which is 1L less than before
- Reuse RO reject water from DI systems to feed the Cooling system (Reduction performance from January to July 2024 have been estimated)
- Reuse of line RO wastewater supplied to city water tank DI system (Reduction performance from January to July 2024 have been estimated)
- Reduce washing water due to changes in the air conditioning filter cleaning cycle (Reduction performance from January to July 2024 have been estimated)
- Reuse of posttreatment water for cleaning the WWT production deposition tank (Reduction performance from January to July 2024 have been estimated)

Score 8

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


Yes

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Comment To minimize the site's adverse impacts to water resources, the site has established in-house standard concentration which is 50% of the legal standard concentration for treated wastewater discharged from plant. A TMS system has also been installed at wastewater treatment plant to monitor real time wastewater quality data.

The average discharge concentration for major quality parameters in 2023 are as follows, and all of them achieved below the Internal water quality standards:

- 1) T-N: 7.67 ~ 11.01mg/L
- 2) T-P: 0.58 ~ 0.64mg/L
- 3) COD: 15.26 ~ 18.23mg/L
- 4) pH: 7.28 ~ 7.36
- 5) TSS: 12.87 ~ 16.22mg/L

The above parameters are well within the permissible limit and site concentration which is 50% of the legal standard.

In addition to above, site has also inspected Yen Binh water purification plant and water sewage treatment plant facilities.

Score 8

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



Comment Site has achieved improvement in status of Important Water-Related Areas by implementing following actions towards achieving best practice, related to IWRAs:
 - Cleaning and clearing the flow of the spillway area of Khe Mo commune, Dong Hy district in cooperation with the Thai Nguyen Provincial Environmental Protection Fund
 - Cleaning activities in Suoi Lanh Lake in cooperation with the People's Committee of Thanh Cong commune
 - Cleaning activities in rivers in the catchment in cooperation with government agencies, public institutions and local residents

For assessment of condition of IWRAs, site take photos of the ponds once a quarter and evaluate their condition (good, bad, deteriorated) and analyze the water quality of the ponds through an external contractor for parameters such as pH, BOD, SS, COD, and DO every quarter to determine whether there is any contamination.

Score 8

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



Comment SEVT site has donated 8 water purifiers to schools in Dinh Hoa District, Thai Nguyen City and another 8 water purifiers to schools in Dong Hy District, Thai Nguyen City in March 2024. It is estimated by site that more than 400 tons of drinking water will be provided annually through these water purifiers.

SEVT site conducted a joint hygiene inspection with Thai Nguyen Provincial Health Department targeting restaurants frequently visited by employees near the site. Improvements were communicated to support the catchment population to use restaurants that maintain appropriate hygiene standards.




SEVT site opened the WASH facilities located at the site gate so that anyone (visitors, outsiders) can use them. The WASH facilities include usage of toilets and drinking water facility provided through water purifiers that are maintained at appropriate drinking water quality. A total of 11 water purifiers are installed at the site's gate. The information for same was shared to stakeholders about availability of restrooms and drinking water facility for visitors at plant entrance.

Score 4

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3.9.11	<i>Advanced Indicator</i> <i>A list of efforts to spread best practices shall be identified.</i>	 Yes
Comment	SEVT site has made following efforts to spread best practices: - Sharing AWS outcomes evaluation in the 3rd survey conducted with stakeholders - Nearby / Group companies over email - Sharing Water stewardship plan & performance over email - Disclosing Water stewardship plan over website - Shared best practices with stakeholders during in-person and online meetings in May and August 2024	
Score	3	
3.9.12	<i>Advanced Indicator</i> <i>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.</i>	 Yes
Comment	Site has tabulated 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 have been identified.	
Score	12	
3.9.13	<i>Advanced Indicator</i> <i>Evidence of the quantified improvement that has resulted from the collective action relative to a site-selected baseline date shall be identified and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be identified.</i>	 Yes
Comment	The site prepared and shared the AWS Outcomes evaluation, which includes information such as Performance against target, contribution to achieving water stewardship outcomes, and Value creation, with stakeholders such as such as employees, government agencies, public institutions, partner companies, civic groups, environmental organizations (university environmental departments, youth unions, etc.), and nearby companies. Site has disclosed the AWS Outcomes evaluation to stakeholders and conducted a survey to assess the effectiveness of the site's water resource management (stewardship) performance. All stakeholders who participated in the survey responded that the WS Plan of the SEV site would be effective in Catchment Stewardship.	
	SEV site also conducted an evaluation of the site's water-related activities with a water expert. The expert praised the activities and achievements made in relation to water management at the site and agreed that they were adequate.	
Score	8	

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4 STEP 4: EVALUATE - Evaluate the site's performance.	
4.1	<i>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.</i>
4.1.1	<i>Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.</i>
Comment	Site has evaluated the performance against the targets set in site's water stewardship plan. The same is being evaluated on monthly basis as of now and AWS outcomes evaluation is done every six months.
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>
Comment	The site has tabulated site value benefits and shared value benefits against the evaluated performance on targets and has classified as social, environmental, financial and cultural values which were created through implementation of WS Plan. The value creation through water savings (resulting into indirect financial value creation due to water savings) have been estimated by site as the reduced industrial water use in the first half of 2024 have resulted in monetary savings for water sourcing cost.
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>
Comment	Site has tabulated the shared value benefits against the evaluated performance on targets and has classified as social, environmental, financial and cultural values which were created through implementation of WS Plan.
4.1.4	<i>Advanced Indicator A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be identified.</i>
Comment	SEVT EHS team, in charge of water-related work at the SEVT site reported to Center Director / Vice President about shared water challenges of the SEVT site catchment, Samsung Electronics' activities to address shared water challenges, water-related risks and opportunities, water-related cost reductions or benefits, and water-related accidents. The interim review was done on 10.07.2024 and final review on 09.08.2024. Site has provided the report for both reviews as supporting evidence.
Score	3
4.2	<i>Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</i>
4.2.1	<i>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.</i>
Comment	Site has mentioned that there were no emergency incidents during year 2023 and the first half of 2024.
4.3	<i>Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</i>

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4.3.1	Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.	 Yes
Comment	<p>The site prepared and shared the AWS Outcomes evaluation (which includes information of site's water stewardship performance against target) with stakeholders such as employees, government agencies, public institutions, partner companies, civic groups, environmental organizations (university environmental departments, youth unions, etc.), and neighboring companies.</p> <p>Site has disclosed the AWS Outcomes evaluation to stakeholders and conducted a survey to assess the effectiveness of the site's water resource management (stewardship) performance. All stakeholders who participated in the survey agreed that the WS Plan of the SEV site would be effective in Catchment Stewardship.</p> <p>The same was also shared with stakeholders during meeting in May & August 2024.</p>	
4.3.2	<i>Advanced Indicator</i> The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.	 No
Comment	<p>The site has shared the water stewardship performance with stakeholders through survey and have asked for feedback through survey form. The site did not receive any comments / suggestions for improvement.</p> <p>The site should engage more with the stakeholders (explore efficient methods of engaging with stakeholders other than just sharing the survey form and seeking their comments) for consultation on the water stewardship performance as there are no relevant suggestions for continual improvement.</p>	
Score	6	
4.4	Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.	
4.4.1	The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.	 Obs.
Comment	<p>Site has set a frequency of updating the water stewardship plan every month. Initial WS plan was prepared during March 2024 and the latest WS plan shared is of August 2024. The format for both the water stewardship plan are same. However, there have been addition of activities in terms of target for Water Governance and the site has added more Workshops to be attended based on exposure in the Workshops.</p>	

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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	<p>The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations have been defined in an organisation chart and disclosed at following locations:</p> <ul style="list-style-type: none"> - Site entrance - Website - Internal website 	
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	<p>The site prepared and shared the AWS outcomes evaluation, with various stakeholders. Site has disclosed the AWS Outcomes evaluation to stakeholders through survey forms / emails and meetings (in-person and online).</p>	
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	<p>SEVT site has publicly disclosed documents for its water stewardship performance on the official website (https://news.samsung.com/vn/sev-va-sevt-thong-bao-ke-hoach-danh-gia-chung-nhan-lien-mi-nh-quan-tri-nuoc-aws). These documents entail quantified performance and contribution of the site and its stakeholders in the five main outcomes of water stewardship (water governance, water balance, water quality, IWRAs, WASH).</p>	
5.3.2	Advanced Indicator The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.	No
Comment	<p>Samsung Electronics discloses overall information about water conservation and quality management in the Sustainability Report (p.17 ~18). The link for sustainability report is https://www.samsung.com/sec/sustainability/main. SEVT site's efforts to implement the AWS Standard are not disclosed in the organization's annual report.</p>	
5.3.3	Advanced Indicator Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.	Yes
Comment	<p>Benefits to the site and stakeholders from implementation of the AWS Standard have been quantified at Samsung Vietnam's website.</p>	
Score	1	

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5.4	<i>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.</i>	
5.4.1	<i>The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.</i>	 Yes
Comment	Site's shared water-related challenges and efforts made to address these challenges have been disclosed by Stakeholder survey forms, Meetings, Emails and Samsung Vietnam's website with link : (https://news.samsung.com/vn/sev-va-sevt-thong-bao-ke-hoach-danh-gia-chung-nhan-lien-mi-nh-quan-tri-nuoc-aws).	
5.4.2	<i>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.</i>	 Yes
Comment	In cooperation with Thai Nguyen Provincial Environmental Protection Fund, site has carried out cleaning and clearing the flow of the spillway area of Khe Mo commune, Dong Hy district. In cooperation with Thai Nguyen Department of Foreign Affairs, Department of Education and Training of Thai Nguyen province, and People's Committee of Dong Hy district, site supported WASH-related facilities (Washing machines, Water purifiers). In March 2024, SEVT site provided 8 water purifiers to schools in Dinh Hoa District, Thai Nguyen City, and 8 water purifiers to schools in Dong Hy district, Thai Nguyen City. In April and July 2024, site officials visited Yen Binh water purification plant, which supplies tap water to SEVT site, and water sewage treatment plant, which treats wastewater. Yen Binh Water Purification Plant is an important water infrastructure that supplies water to Yen Binh Industrial Park from Nui Coc Lake. During this visit, SEVT shared the main activities of the plant related to water resources to solve shared shared water challenge. In addition, the water treatment system was inspected in relation to water quality, which is the most important shared water resource issue. SEVT site has signed an agreement on fire support with Thai Nguyen Province and provides fire trucks and fire water.	
5.5	<i>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.</i>	
5.5.1	<i>Any site water-related compliance violations and associated corrections shall be disclosed.</i>	 Yes
Comment	There were no water-related compliance violations at site observed during the year 2023. The same is also disclosed at page no. 64 of 83 (of Samsung sustainability report 2024) that there were no environment related compliance violations at any of the sites globally.	
5.5.2	<i>Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.</i>	 Yes
Comment	No corrective actions as there were no site water-related compliance violations.	
5.5.3	<i>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.</i>	 Yes
Comment	Site has informed that there was no water-related violation that may pose significant risk and threat to human or ecosystem health.	

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SEVT1 Supply water flowmeter indicator line 3.jpg



Output WWT3.4 point(Image1).jpg

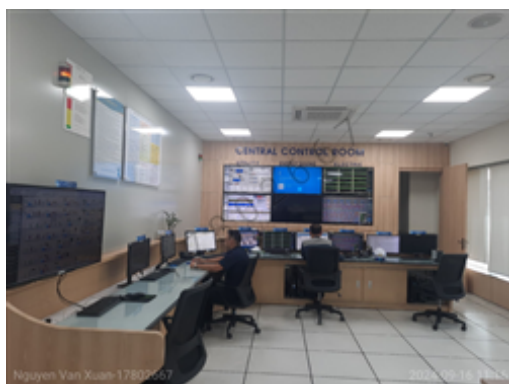
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WWT2 CCR.jpg



CUB CCR.jpg



WWT2 output flowmeter.jpg



WSAS

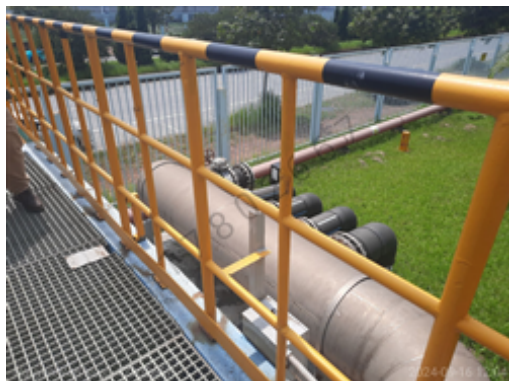
2 Quality Street North Berwick, EH39 4HW, UNITED KINGDOM

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WWT3,4 CCR.jpg



WWT3.4 output pipe.jpg



City Water Tank.jpg



Output WWT3.4 point(Image2).jpg

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SEVT1 Supply water flowmeter Line 1.2 indicator.jpg



Boiler SEVT1.jpg



Steam boiler Tank Monitoring.jpg



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SEVT2 pond.jpg



Emergency shower.jpg



WWT outline.jpg



DI,RO monitoring.jpg

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Cooling Tower monitoring.jpg



CW Filter tank.jpg



Cooling tower chemical supply pipe.jpg



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YB WWT outlet basin.jpg



WWT1 CCR.jpg



Yen Binh WWT output point.jpg

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CW Pump room (Salt Tank).jpg



Chemical room at SEVT2.jpg

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WWT3.4 output flowmeter.jpg



Đồng hồ nước sạch SEVT2.jpg

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CUB CCR (2).jpg



SEVT1 supply water flowmeter line 3.jpg



Output WWT3.4 point(Image3).jpg



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2 Quality Street North Berwick, EH39 4HW, UNITED KINGDOM

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)

Audit Number: AO-001293

Chemical pump at the WWT1 system.jpg



RO System.jpg



Chemical tank at the WWT1 system.jpg



SEVT1 supply water flowmeter line 2.jpg

WSAS

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Kho hóa chất SEVT1.jpg

Yes

Upgrade or Downgrade of Certification

Justification for Upgrade or Downgrade

Summary of Evidence which led to change

Previous Findings

All non-conformities raised in the previous audit have been satisfactorily closed.

N/A