

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-001612

SITE DETAILS

Site: **Kenvue - Thailand**

Address: 106 Moo 4 Lat Krabang Industrial Estate, Lat Krabang, 10520, Bangkok, THAILAND

Contact Person: Thanawan Changmanee

AWS Reference Number: AWS-000358

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Platinum

Date of certification decision: 2025-Oct-08

Validity of certificate: 2028-Oct-07

AUDIT DETAILS

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

Audit Type(s): Re-Certification Audit

Audit Start Date: 2025-Jul-21

Audit End Date: 2025-Jul-24

Lead Auditor: Amit Singh

Audit team participants:

Prapas Nores

Leong Siew Mui

Site Participants:

Thanawan Changmanee, Other

Piyapong Deeprasert, Other

Varawit Rungsatit, Other

Apichai Jirawattanasiri, Other

Pakapol Wangmongkollert, Other

Nonthing Deesreng, Other

Veeraya Kaewwilai, Other

Nasha Kvakulkiat, Other

Piyachart Nikarnpongsin, Other

Audit Number: AO-001612

ADDITIONAL INFO

Summary of Audit Findings: During the certification audit, 10 non-conformities and 23 observations were raised.

The Client is requested to submit a root cause analysis and corrective actions for each of the non-conformities to WSAS within 7 days of receipt of the audit report, by 09 September 2025.

The non-conformities must be closed within 90 days of the end of the audit. In order to meet this timeline evidence is to be submitted to WSAS (within 75 days) by 07 October 2025.

The audit team recommends re-certification of Johnson & Johnson - Bangkok at Platinum level pending closure of the non-conformities.

Scope of Assessment: The scope of services covers the recertification audit for assessing conformity of Johnson & Johnson - Bangkok site against the AWS International Water Stewardship Standard Version 2.

The site is located in Lat Krabang Industrial Estate. Lat Krabang is a district in the eastern part of Bangkok city in Thailand. The site is surrounded by other manufacturing and logistics facilities. The closest airport to site is Suvarnabhumi Airport which is around 15 kms away.

- The site operates with three core manufacturing technologies:
• Sanitary napkin Products – including sanitary pads and pantyliners
• Powder-Based Products – such as baby powder
• Liquid Products

The utility consists of 7 Cooling tower units, 6 Chiller units, 2 Boilers (with capacities of 3 Tons and 6 Tons respectively), water treatment system for use in product & CIP in process area and wastewater treatment system for wastewater discharged from process. The treated wastewater is discharged to GUSCO wastewater treatment plant. The sewage from different sections is transferred separately to GUSCO wastewater treatment plant.

The audit was conducted onsite on 21st to 24th July 2025. The onsite visit included the assessment of [insert the facilities and activities that were visited onsite as part of the audit.

FINDINGS

Table with 2 columns: Finding Type, Count. Rows: Observation (1), Observation (22), Non-Conformity (10).

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FINDING DETAILS

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Finding No:	TNR-018956
Checklist Item No:	1.1.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	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.
Findings:	Ultimate receiving water body location for wastewater / stormwater is not identified / mapped. Input water source to be studied in detail - both through MWA and GEM as it is identified that the water source for site is not only the Chao Phraya river. As during dry season, MWA also receives water through some other canal. Also, the source of water for GEM is different. In addition to surface water from MWA and GEM, GUSCO has five deep groundwater wells available (at their treatment facility) for emergency supply. The above water sources have not been mapped.
Corrective action:	The site will formally map and document the full flow path of the ultimate water receiving body, starting from the IEAT-managed drainage system through Bueng Bua Canal, connecting to other canals and rivers, and ultimately discharging into the Gulf of Thailand. This will include a visual representation of the flow direction to ensure clarity and transparency. Additionally, the site will update its water source documentation to reflect that the Metropolitan Waterworks Authority (MWA) supplies potable water from treatment plants located on both the east and west sides of the Chao Phraya River. These are connected via an underground piping network. It will also be clearly stated that the Tha Chin River, which supplies the Mahasawat Water Treatment Plant, is a tributary of the Chao Phraya River and part of the same catchment area.
Evidence of implementation:	The site has completed the formal mapping and documentation of the full flow path of the ultimate water receiving body, beginning from the IEAT-managed drainage system through Bueng Bua Canal, connecting to other canals and rivers, and ultimately discharging into the Gulf of Thailand. A visual representation of the flow direction has been included to ensure clarity and transparency. In addition, the site has updated its water source documentation to reflect that the Metropolitan Waterworks Authority (MWA) supplies potable water from treatment plants located on both the east and west sides of the Chao Phraya River, connected via an underground piping network. It is now clearly stated that the Tha Chin River, which supplies the Mahasawat Water Treatment Plant, is a tributary of the Chao Phraya River and part of the same catchment area.

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Finding No:	TNR-018928
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 influence / power of stakeholder on site to be relooked, e.g. The power of stakeholder on site is considered as low but MWA being the government authority and site mentioned that for any interventions in the catchment, the authority approval is required. This prove that the influence / power of stakeholder on site is not low.
Finding No:	TNR-018944
Checklist Item No:	1.3.2
Status:	Open
Finding level:	Observation
Checklist item:	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped
Findings:	The details of major treatment system (MMF, RO, EDI) in the P.W. system is not mapped. It only mentions about P.W. plant but not about the different water treatment systems in the P.W. plant.
Finding No:	TNR-019237
Checklist Item No:	1.3.3
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	The overall water balance is done but the site has estimated the water flows at various locations including the losses, leakages, P.W. plant balance. Even there is no metering for the RO reject / backwash water used for make-up of cooling towers. This may not give the exact recycled water used in cooling towers instead of freshwater.

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Finding No:	TNR-018945
Checklist Item No:	1.3.5
Status:	Open
Finding level:	Observation
Checklist item:	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.
Findings:	One of the major source of pollution, i.e. diesel storage tank for F.F. system is not mapped by site. However, in one of the document (Aspects of hazardous waste), it is being identified as source of pollution.
Finding No:	TNR-018946
Checklist Item No:	1.3.7
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	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.
Findings:	Water related revenues, are not identified. There is no description or quantification of the social, cultural, environmental, or economic water-related value generated by the site.
Corrective action:	The site will identify water revenues and all value benefits—environmental, economic, and shared value—resulting from its water stewardship plans. These benefits will be documented and communicated to key stakeholders including IEAT, community leaders, suppliers, and public-sector agencies through formal channels such as stakeholder meetings, and public engagement events.
Evidence of implementation:	The site will identify water revenues and all value benefits—environmental, economic, and shared value—resulting from its water stewardship plans. These benefits will be documented and communicated to key stakeholders including IEAT, community leaders, suppliers, and public-sector agencies through formal channels such as stakeholder meetings, and public engagement events.

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Finding No:	TNR-018947
Checklist Item No:	1.4.1
Status:	Open
Finding level:	Observation
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 considered the high spend and high volumes for identification of suppliers for site which has resulted in no supplier within the catchment (even the catchment being the major river basin). Reworking on the spend / volume limit would result in identification of suppliers within the catchment. There was a packaging supplier being identified earlier by site, the same is removed from the list now. There are no details of engagement with this supplier.
Finding No:	TNR-018948
Checklist Item No:	1.4.2
Status:	Open
Finding level:	Observation
Checklist item:	The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.
Findings:	Transport service providers have not been identified as outsourced service provider. However, there are transport service providers within the catchment.
Finding No:	TNR-018949
Checklist Item No:	1.4.3
Status:	Open
Finding level:	Observation
Checklist item:	Advanced Indicator The embedded water use of primary inputs in catchment(s) of origin shall be quantified.
Findings:	Site has identified around 10 suppliers outside the catchment based on high spend and high volumes. Site needs to engage with the suppliers for embedded water use of primary inputs, including quantity, quality and level of water risk.

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Finding No:	TNR-018971
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:	There are some projects on which the authorities are working for availability of water during dry season in the major river. This being a major catchment plan is not being identified.
Finding No:	TNR-018929
Checklist Item No:	1.5.3
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.
Findings:	Site has not estimated the complete water balance of the catchment but have only provided the water level details at different locations in the catchment. As the catchment water balance is not clear, there is no identification of seasonal / annual variance.
Corrective action:	Conduct a comprehensive search for water balance data of the Chao Phraya River (the site's catchment area) across all seasons in Thailand. Utilize the study titled Estimation of Future Water Status through Water Balance Analysis in the Chao Phraya River Basin, conducted in collaboration between the Royal Irrigation Department (RID) of Thailand and K-water of Korea during 2016–2017. Although the 2017 analysis did not specify an update frequency, it includes future projections covering both the current year (2025) and the year 2035. Additionally, gather relevant data and insights regarding the water situation in the Chao Phraya Basin for the year 2024 to support forecasting and planning.
Evidence of implementation:	Conduct a comprehensive search for water balance data of the Chao Phraya River (the site's catchment area) across all seasons in Thailand. Utilize the study titled Estimation of Future Water Status through Water Balance Analysis in the Chao Phraya River Basin, conducted in collaboration between the Royal Irrigation Department (RID) of Thailand and K-water of Korea during 2016–2017. Although the 2017 analysis did not specify an update frequency, it includes future projections covering both the current year (2025) and the year 2035. Additionally, gather relevant data and insights regarding the water situation in the Chao Phraya Basin for the year 2024 to support forecasting and planning.

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Finding No: TNR-018952
Checklist Item No: 1.5.7
Status: Open
Finding level: Observation
Checklist item: The adequacy of available WASH services within the catchment shall be identified.
Findings: Site has not adequately identified the availability of WASH services within the catchment.

Finding No: TNR-018953
Checklist Item No: 1.5.9
Status: Closed
Finding level: Non-Conformity
Due date: 2025-Oct-22
Checklist item: Advanced Indicator
The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.
Findings: Adequacy of WASH provision within the catchments of origin of primary inputs have not been correctly identified.
Corrective action: The site will conduct a comprehensive study of WASH (Water, Sanitation, and Hygiene) provision at key main supplier. This study will assess the adequacy of WASH services provided by suppliers, with a focus on those contributing primary inputs and outsourced water-related services.
Evidence of implementation: The site will conduct a comprehensive study of WASH (Water, Sanitation, and Hygiene) provision at key main supplier. This study will assess the adequacy of WASH services provided by suppliers, with a focus on those contributing primary inputs and outsourced water-related services.

Finding No: TNR-018954
Checklist Item No: 1.6.1
Status: Open
Finding level: Observation
Checklist item: Shared water challenges shall be identified and prioritized from the information gathered.
Findings: Floods are also being observed as a water related challenge in the catchment. But, the same is not being identified as a water related challenge.

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Finding No:	TNR-018957
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:	Site has identified water scarcity as a water risk for the catchment. But, the same is not being identified as a water risk for the site as the water availability / storage at site can cater to production for a very limited time.
Finding No:	TNR-019315
Checklist Item No:	1.7.2
Status:	Open
Finding level:	Observation
Checklist item:	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.
Findings:	Site has identified some opportunities but has not identified the water related opportunities in which the site can participate and there is no assessment / prioritization of potential savings.
Finding No:	TNR-018958
Checklist Item No:	1.8.1
Status:	Open
Finding level:	Observation
Checklist item:	Relevant catchment best practice for water governance shall be identified.
Findings:	The site has identified best practices on water governance on site that it already implements but has not identified catchment best practices for better water governance. The best practice identification needs to be forward-looking - what further best practices does the site consider that should be implemented.
Finding No:	TNR-018959
Checklist Item No:	1.8.3
Status:	Open
Finding level:	Observation
Checklist item:	Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.
Findings:	The site should further identify sector or catchment best practices on water quality as water quality has been categorised as the major water related challenge in the catchment.

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Finding No:	TNR-018960
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:	Site has identified some best practices for maintenance of Important Water-Related Areas. However, the identified best practices are not relevant for Important Water-Related Areas.
Finding No:	TNR-018961
Checklist Item No:	2.3.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	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.
Findings:	Water stewardship strategy is not identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.
Corrective action:	The site will establish detailed water stewardship strategy. This strategy will be documented and aligned with AWS Standard requirements.
Evidence of implementation:	The site relied on Thailand water balance data that was last updated in 2017. Given the age of this dataset, it was deemed insufficiently current to support accurate water-related assessments.
Finding No:	TNR-019398
Checklist Item No:	2.3.2
Status:	Open
Finding level:	Observation
Checklist item:	A water stewardship plan shall be identified, including for each target: - How it will be measured and monitored - Actions to achieve and maintain (or exceed) it - Planned timeframes to achieve it - Financial budgets allocated for actions - Positions of persons responsible for actions and achieving targets - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.
Findings:	It is not always clear how the identified targets help address the identified shared water challenges. For example, regular maintenance activities / maintaining wastewater as per norms will not really help in addressing the shared water challenge related to water quality.

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Finding No:	TNR-018963
Checklist Item No:	3.1.3
Status:	Open
Finding level:	Observation
Checklist item:	Advanced Indicator
	Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified.
Findings:	Evidence of improvements in water governance capacity from site-selected baseline date have not been identified.
Finding No:	TNR-018964
Checklist Item No:	3.4.2
Status:	Open
Finding level:	Observation
Checklist item:	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.
Findings:	There are no projects identified for continual improvement to achieve best practice for the site's effluent. However, as of now, site has kept water quality internal standards which are more stringent than the legal standard requirements

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Finding No:	TNR-018935
Checklist Item No:	3.5.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	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.
Findings:	There is no action on restoration of non-functioning or severely degraded Important Water-Related Areas: There were no severely degraded Important Water-Related Areas being identified by site and therefore were no such evidence of completed restoration of non-functioning or severely degraded Important Water-Related Area. However, during catchment tour, there was stream along the stormwater canal (outside the plant boundary) and Bueng Bua canal which is finally being pumped as storm water into the Bueng Bua canal. This stream was observed to be in a vey bad / severe condition and may also be responsible for polluting other IWRA.
Corrective action:	The site will identify the storm drain as an Important Water-Related Area (IWRA) and initiate restoration efforts to return it to a functional water area. As part of the restoration, accumulated garbage and debris will be removed to improve water flow and ecological value. These efforts will be carried out with participation from a volunteer cross-functional team, regularly organized by Kenvue Water Stewardship Team in collaboration with GUSCO in Sep 2025. Evidence of the restoration activities at the IWRA will be provided
Evidence of implementation:	The site will identify the storm drain as an Important Water-Related Area (IWRA) and initiate restoration efforts to return it to a functional water area. As part of the restoration, accumulated garbage and debris will be removed to improve water flow and ecological value. These efforts will be carried out with participation from a volunteer cross-functional team, regularly organized by Kenvue Water Stewardship Team in collaboration with GUSCO in Sep 2025. Evidence of the restoration activities at the IWRA will be provided.

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Finding No: TNR-018936
Checklist Item No: 3.5.3
Status: Closed
Finding level: Non-Conformity
Due date: 2025-Oct-22
Checklist item: 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.

Findings: 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 was not provided.

Corrective action: The site will identify the storm drain as an Important Water-Related Area (IWRA) and initiate restoration efforts to return it to a functional water area. As part of the restoration, accumulated garbage and debris will be removed to improve water flow and ecological value. These efforts will be carried out with participation from a volunteer cross-functional team, regularly organized by the Kenvue Water Stewardship Team in collaboration with GUSCO in September 2025. Evidence of the restoration activities at the IWRA will be provided, along with documentation of stakeholder consensus confirming the site's positive contribution to the healthy status of the IWRA.

Evidence of implementation: The site will identify the storm drain as an Important Water-Related Area (IWRA) and initiate restoration efforts to return it to a functional water area. As part of the restoration, accumulated garbage and debris will be removed to improve water flow and ecological value. These efforts will be carried out with participation from a volunteer cross-functional team, regularly organized by the Kenvue Water Stewardship Team in collaboration with GUSCO in September 2025. Evidence of the restoration activities at the IWRA will be provided, along with documentation of stakeholder consensus confirming the site's positive contribution to the healthy status of the IWRA.

Finding No: TNR-018965
Checklist Item No: 3.6.3
Status: Open
Finding level: Observation
Checklist item: 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.

Findings: Other than the awareness session in the open house event, there have been no further actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness.

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Finding No:	TNR-018966
Checklist Item No:	3.7.1
Status:	Open
Finding level:	Observation
Checklist item:	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.
Findings:	Site has not set any targets for indirect water use in the water stewardship plan. However, there were targets related to 1 project with the suppliers / service providers.
Finding No:	TNR-018967
Checklist Item No:	3.9.3
Status:	Open
Finding level:	Observation
Checklist item:	Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.
Findings:	As such there have been no actions by site in terms of implementation of best practice related to water quality.
Finding No:	TNR-018968
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:	Timelines for execution of the target are not set correctly as the WSP is prepared in August and all the targets have been marked as completed. But there are some ongoing projects.

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Finding No:	TNR-018940
Checklist Item No:	4.1.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	Value creation resulting from the water stewardship plan shall be evaluated.
Findings:	Value creation resulting from the water stewardship plan have not been correctly identified, e.g. for first target - "Increase engagement with water suppliers to understand the adequacy of water supply to enough Water Supply Security", the following value creation have been identified: 1. Improved water efficiency & internal costs savings 2. improved long term water security across the catchment and reduced risks The above is not the value creation resulting from the targets set in water stewardship plan. Similarly, the value creation has to be correctly identified for the other targets.
Corrective action:	The site will identify all value benefits—environmental, economic, and shared value—resulting from its water stewardship plans. These benefits will be documented and communicated to key stakeholders including IEAT, community leaders, suppliers, and public-sector agencies through formal channels such as stakeholder meetings, and public engagement events.
Evidence of implementation:	The site will identify all value benefits—environmental, economic, and shared value—resulting from its water stewardship plans. These benefits will be documented and communicated to key stakeholders including IEAT, community leaders, suppliers, and public-sector agencies through formal channels such as stakeholder meetings, and public engagement events.

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Finding No:	TNR-018939
Checklist Item No:	4.1.3
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	The shared value benefits in the catchment shall be identified and where applicable, quantified.
Findings:	Shared value benefits in the catchment have neither been identified nor quantified.
Corrective action:	The site will identify all value benefits—environmental, economic, and shared value—resulting from its water stewardship plans. These benefits will be documented and communicated to key stakeholders including IEAT, community leaders, suppliers, and public-sector agencies through formal channels such as stakeholder meetings, and public engagement events.
Evidence of implementation:	The site will identify all value benefits—environmental, economic, and shared value—resulting from its water stewardship plans. These benefits will be documented and communicated to key stakeholders including IEAT, community leaders, suppliers, and public-sector agencies through formal channels such as stakeholder meetings, and public engagement events.
Finding No:	TNR-019334
Checklist Item No:	5.1.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Oct-22
Checklist item:	The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.
Findings:	Site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations have not been identified and disclosed.
Corrective action:	The site will publicly disclose its internal governance related to water management, including communication on sustainable water practices, applicable laws and regulations, and the designated contact person for feedback. This information will be displayed on the bulletin board located at the site entrance to promote transparency.
Evidence of implementation:	The site will publicly disclose its internal governance related to water management, including communication on sustainable water practices, applicable laws and regulations, and the designated contact person for feedback. This information will be displayed on the bulletin board located at the site entrance to promote transparency.

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Audit Number: AO-001612

Finding No:	TNR-018969
Checklist Item No:	5.3.2
Status:	Open
Finding level:	Observation
Checklist item:	Advanced Indicator
	The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.
Findings:	The site's efforts to implement the AWS Standard have not been disclosed in the organization's annual report. However, site has mentioned about the site being certified.

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Report Details

Report	Value
Report prepared by	Amit Singh
Report approved by	Ozge GOKMEN
Report approved on (Date)	26/08/2025

Surveillance

Proposed date for next audit
2026-Jul-20

Comment The proposed date for next audit, i.e. Surveillance Audit is before 20.07.2026.

Stakeholder Announcements

Date of publication	Location
20/05/2025	IEAT WEBSITE
20/05/2025	IEAT Publication board
26/05/2025	AWS website
26/05/2025	WSAS website

Comment Site has shared the Stakeholder Announcement with the LatKrabang Industrial Estate and the Industrial Estate have published the stakeholder announcement at their website and also at the IEAT Notice board. The link for stakeholder announcement is <http://www.lkbie.go.th/> In addition to the above the stakeholder announcement was also published at AWS and WSAS website. The link for same are:
<https://a4ws.org/wp-content/uploads/2025/05/StakeAnn-AWS-000358-TH-JJ-Kenvue.pdf> and
<https://watersas.org/wp-content/uploads/2025/05/StakeAnn-AWS-000358-TH-JJ-Kenvue.pdf>

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Catchment Information

Catchment Information

Site is located in the Chao Phraya River Basin.

Site receives the water supply from M/s GUSCO, who is responsible for supplying water to the industrial facilities within the industrial estate.

The Site has an on-site wastewater treatment system for industrial wastewater. After pre-treatment of industrial wastewater, site discharges the treated wastewater to GUSCO's wastewater treatment plant. The domestic sewage from site is discharged separately to GUSCO for treatment. The treated wastewater from GUSCO's wastewater treatment plant is discharged to the Bueng Bua Canal which finally connects with the Chao Phraya River in the downstream.

GUSCO, the water and wastewater service provider for site receives surface water from Metropolitan Waterworks Authority (MWA) and GEM Environmental Management Co., Ltd.

- MWA sources water directly from the Chao Phraya River and Mae Klong River
- GEM sources water from Lam Pla Thew Canal, which ultimately also sources water from Chao Phraya River.

Apart from this, GUSCO also has a provision of sourcing water from five (5) deep groundwater wells as an emergency supply. There are eleven (11) deep groundwater wells located across the industrial estate, out of which, six (6) wells are no longer in use.

Site has not experienced shortage in water supply, but during dry season, the MWA experience water shortage and source it from another canal to supply water to GUSCO. IEAT and GUSCO have response plan to cater to the water shortage. Some of the areas in the locality including villages are prone to floods. There are no environmentally protected areas. There are no inter-basin transfers. The Chao Phraya River catchment is located in a tropical climate zone. The Chao Phraya River drainage basin is dominated by intensive water uses, particularly in agriculture and heavy industry. While forested areas exist in the upper basin, especially in the northern highlands, the central and lower basin are extensively developed for rice cultivation and industrial activities.



Catchment Map.png

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Client Description and Site Details

Client/Site Background

Site is located in the Lat Krabang Industrial Estate in the Lat Krabang district in the eastern part of Bangkok. The address of site is 106 Moo 4, Chalong Krung Road, Lat Krabang Industrial Estate, Lat Krabang, Bangkok 10520, Thailand 1.
The closest City to site is Bangkok.

Kenvue (formerly Johnson & Johnson) Thailand is located in a industrial zone (some residential zones exist nearby, but the immediate vicinity is dominated by industrial operations) and is surrounded by other manufacturing and logistics facilities. Site is around 15 kms away from the Suvarnabhumi Airport, which supports export logistics.

Site operates with three core manufacturing technologies:

- Sanitary napkin Products
- Powder-Based Products
- Liquid Products

Major water is consumed in DI and liquid manufacturing process, both as a key ingredient in the formulation of products and for cleaning mixing tanks, machine, and equipment.

The utility equipment includes 7 units of Cooling tower, 6 Chiller units, two boilers of capacity 3 Tons and 6 Tons (back up boiler)

The water source for site is through municipal water supply from GUSCO. The Water treatment facilities include DI plant, which purify water used for Liquid production.

The water used for production is mainly for liquid manufacturing process, both as a key ingredient in the formulation of products and for cleaning mixing tanks, machine, and equipment.

For water use in energy facilities, water is supplied to the installed boiler for generating steam / hot water for use in process.

There is a wastewater treatment plant at site for pre-treatment of wastewater before discharging to wastewater service provider - GUSCO.

There are 7 units of Cooling towers required for Chiller operation.

There is no Rainwater harvesting infrastructure.

The stormwater from the factory is discharged to the canal adjacent to the frontside plant boundary.

For Fire water, there is a backup fire water tank of capacity 1,200 m3.

Summary of Shared Water Challenges

Summary of Shared Water Challenges

Site has identified the following shared water challenges based on the feedback received from the stakeholders in an open house event:

- Water quality issues in the surface water
- Water scarcity
- WASH infra
- IWRA

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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.



closed

Comment Kenvue Bangkok (formerly known as Johnson & Johnson, bangkok) is being referred to as site.
Site boundaries for the site includes the part of land covering Kenvue premises which is spread across an area of 70,756 sq. m. (with built-up area of 35,290 sq. m., Road/Paved area of 22,437 sq. m. and green area of 13,029 sq. m.). Additionally, the J&J Buildings are spread over an area of 2292 sq. m. which are not part of the Kenvue and not included in the study scope area as it is being defined outside the site boundary.
The water-related infrastructure, including piping network covering water provided by GUSCO (water service provider), wastewater and stormwater are being mapped by the site. GUSCO receives surface water from Metropolitan Waterworks Authority (MWA) and GEM Environmental Management Co., Ltd.
The discharge points from the site have been identified as these are finally being connected to the Bueng Bua canal.
The catchment that the site affect(s) and is reliant upon for water is Chao Phraya River basin.

Finding No: TNR-018956

1.2 *Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.*

1.2.1 *Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:*

- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;
- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;
- Provide evidence of stakeholder consultation on water-related interests and challenges;
- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;
- Identify the degree of stakeholder engagement based on their level of interest and influence.



Yes

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Comment	Site has a defined process of engaging with the stakeholders. Site has identified stakeholders from different sections covering the government authorities, local community, water / wastewater service provider, nearby industries including (suppliers and service providers), etc. Site organises various events to engage with the stakeholders to discuss about the water related challenges in the catchment, sharing the activities carried out by site and also by other stakeholders. During the events, feedback is sought from the stakeholders which is being complied and also used for interaction with the stakeholders and plan for activities in the catchment.	
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 level of interest / influence and level of power for different stakeholders covering the stakeholders from government authorities, local community, water / wastewater service provider, nearby industries including (suppliers and service providers), etc.	
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>	✓ Yes
Comment	Site has an existing Emergency Preparedness / Response Plan, which covers the plan for the following incidents: - Chemical Spill - Flood - Contamination in stormwater due to firewater usage	
1.3.2	<i>Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</i>	Q Obs.
Comment	Site has prepared the water balance circuit for site capturing the water sourced from GUSCO, water storage, water usage at different sections /process, process wastewater to wastewater treatment plant and the discharge of treated wastewater from site.	
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>	Q Obs.
Comment	Site has balanced the water circuit with some metered values and some estimated values. The losses for cooling towers, backwash from filters, RO reject water are estimated. The RO reject / backwash water used for make-up of cooling towers is also estimated.	
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	The quality of raw water, treated wastewater and stormwater is being regularly monitored with the following frequency: - Raw water - on monthly basis - Wastewater - twice in a month - Storm Water - Yearly monitoring Site monitors the water quality daily (2 times/day) at the inhouse laboratory and discharge the treated wastewater into the common wastewater treatment system when it meets IEAT specifications / limits.	

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1.3.5	<i>Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.</i>	 Obs.
Comment	Site has identified the potential sources of pollution at site. Diesel is not being identified as a potential source of pollution in the main document, but is being identified in another document, i.e. Aspects of hazardous waste.	
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	There are no Important Water-Related Areas being identified at site level.	
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>	 Obs.
Comment	Site has identified the annual water related costs for site which includes the following: - Drinking water cost - Water & wastewater treatment cost - Chemical costs - Water quality analysis cost, etc.	
1.3.8	<i>Levels of access and adequacy of WASH at the site shall be identified.</i>	 Yes
Comment	Site has identified the adequacy of WASH services at the site level and has also compared the actual WASH facilities with the WASH facilities required by law.	
1.4	<i>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.</i>	
1.4.1	<i>The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.</i>	 Obs.
Comment	There are no suppliers being identified within the catchment based on high spend and high volumes. However, during previous audits site has identified suppliers within the catchment.	
1.4.2	<i>The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.</i>	 Obs.
Comment	Site has identified two water service providers, services of whom originate within the site's catchment: Sin Chai Hua (Laundry service provider) and Sprinkle (Drinking water supplier). Site has also gathered water quantity and water quality data for these service providers.	
1.4.3	<i>Advanced Indicator The embedded water use of primary inputs in catchment(s) of origin shall be quantified.</i>	 Obs.
Comment	Site has engaged with one of the suppliers outside the catchment and gathered information. But there are around 10 suppliers being identified by site as primary inputs in catchment(s) of origin.	
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.

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Comment Site has identified the following Water related policies / documents of the government applicable to the catchment:

- Water Resources Act
- EIA report on Improving flood management for Lat Krabang Industrial Estate
- Municipal water supply management in Bangkok
- Master Plan on Water Resource management (2012)
- Master Plan on Water Resource management for 20 years (2018-2037)

As such there are no new catchment plans or policies being identified, but the site has initiated discussion the relevant authority recently.

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

Comment Applicable water-related legal and regulatory requirements have been identified by site.

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

Comment Site has gathered information for the quarterly water level data at different locations in the catchment for year 2024. But it does not give any information on the catchment water balance, whether it is positive or negative and what are the components of catchment water balance.

Finding No: TNR-018929

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

Comment Site has compiled the Water quality data of the catchment for the month of June 2025 and also compared the water quality parameters for 9 locations in the form of trend for last year.

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

Comment Site has identified 9 IWRAs in the catchment and have assessed the status of these IWRAs based on the physical evaluation as per visit to these areas and monitoring the water quality of the identified IWRAs.

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

Comment Site regularly interacts with the water service provider. The recent meeting was held at GUSCO office during May 2025 with the following agenda:

1. Assessment of Water Treatment Adequacy
 - Current status of water treatment systems
 - Efficiency of the water treatment process
2. Evaluation of Water Supply Infrastructure
 - Suitability of existing infrastructure
 - Issues or limitations identified in the water supply system

Site has also discussed with GUSCO on the emergency response plan of GUSCO which captures the response plan during extreme events.

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

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Comment Site has partially identified the adequacy of WASH services for the Lam Pla Thio subdistrict of Lat Krabang district in the catchment. The presented data captures water source for the community, water quality, access to water, sanitation and hygiene facilities for the households.

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

Comment Site has carried out water quality for 2 locations in the catchment and shared with the related community.
Site has undertaken catchment level water quality data at 9 locations in the catchment to assess the water quality in the catchment and has compared it with the legal standards. The water quality data was also shared with some of the stakeholders, i.e. local community leaders.

1.5.9 *Advanced Indicator*  closed
The adequacy of WASH provision within the catchments of origin of primary inputs shall be identified.

Comment Site has presented a document which briefly describes the clean water accessibility, sanitation facilities, etc. about the country as a whole. Site has identified a no. of water suppliers outside the catchment, but there the site did not identify the adequacy of WASH provision within the catchments of origin of primary inputs.

Finding No: TNR-018953

1.6 *Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.*

1.6.1 *Shared water challenges shall be identified and prioritized from the information gathered.*  Obs.

Comment Site has carried out an stakeholder survey during one of the events at Kenvue's premises. Based on the survey result, site has identified the following shared water related challenges:
- Water quality issues in the surface water
- Water scarcity
- WASH infra
- IWRA

1.6.2 *Initiatives to address shared water challenges shall be identified.*  Yes

Comment Site has identified the Initiatives to address shared water challenges and have been implementing the same.

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

Comment Site has identified the following future water issued:
- Rainfall extremes
- Reduced groundwater recharge
- Sea Level rise and Land subsidence
- Urban expansion
The projected impacts against the water issues have also identified are listed below:
- Chronic urban flooding and infrastructure stress
- Water scarcity from over-extraction and climate shifts
- Increased public health, economic and migration risks for the community

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

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Comment	Potential water-related social impacts from the site have been identified by engaging with the stakeholders and obtaining their feedback in the form of questionnaire.	
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>	
1.7.1	<i>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.</i>	Q Obs.
Comment	Site has identified the following water risks : - Flood - Contamination in the storm water The likelihood and severity of impact are also being identified for the water risks.	
1.7.2	<i>Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.</i>	Q Obs.
Comment	Site has identified the water related opportunities which they have already implemented and are related to water savings project at site. Site has also participated in other opportunities alongwith the stakeholders for Important Water Related Areas.	
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>	Q Obs.
Comment	Site has identified and implemented the following best practice related to water governance: - Engagement with the stakeholders to share the best practices which site has implemented - Awareness sessions for the stakeholders including local community, government authorities, nearby industries, suppliers, service providers, etc. - Sharing water quality data with the stakeholders	
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 the best practices related to water balance.	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	Q Obs.
Comment	Site has identified some of the catchment related best practices related to water quality.	
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 some best practices for maintenance of Important Water-Related Areas. However, the identified best practices are not relevant for Important Water-Related Areas.	
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 the best practices related to WASH in the catchment.	

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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> - 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 a commitment letter capturing all of the required commitments. The commitment letter is signed by the plant head. The commitment letter is displayed at the following locations: - site premises near canteen - disclosure at IEAT website - Community near Bueng Bua canal, Wat Thip community - Linked.in profile of Site staff and disclosure during plant events.	
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	The commitment letter covering all the required commitments is signed by the senior-most executive of plant, i.e. Site head.	
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> - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies.	 Yes
Comment	The site has identified SOP-022099, titled "EHS&S Regulatory Compliance and Inspection," as the governing procedure for maintaining compliance obligations related to water and wastewater management. EHS Manager and Senior EHS Specialist are designated as the responsible personnel for updating applicable laws and regulations, as well as submitting relevant reports to regulatory authorities. For example, wastewater reports are submitted to the Department of Industrial Works (DIW) twice per year. In addition, the site has a contract with a third-party service provider, NPC, to receive monthly updates report on applicable laws and regulations.	
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>	

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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>	 closed
Comment	Site has presented the strategy for the group to be the SMART manufacturer of choice for its consumers but it does not give clarity of site's water stewardship strategy. Finding No: TNR-018961	
2.3.2	<i>A water stewardship plan shall be identified, including for each target:</i> - 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.	 Obs.
Comment	Site has prepared a water stewardship plan with inputs from the previous findings and includes the following: - Targets are linked with the AWS outcomes - Site has defined how the targets will be measured - Budget required for each target - Target date for completion of action - Status of the target - Persons responsible for each target	
2.3.3	<i>Advanced Indicator</i> <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>	 Yes
Comment	Site has carried out water stewardship activities with other sites within the same catchment such as: - Awareness drive alongwith the suppliers - Water quality monitoring of IWRAs - Activities for improving the condition of IWRAs	
2.3.4	<i>Advanced Indicator</i> <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>	 Yes
Comment	Site has partnered with one of the suppliers located outside the catchment and have involved / partnered with them to carry out the water related activities in another catchment.	
2.3.5	<i>Advanced Indicator</i> <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>	 Yes
Comment	Site has organised an open house event on 6th June involving various stakeholders. During this event, site has shared the water stewardship plan with the stakeholders and received consensus in the form of feedback from the participants.	
2.4	<i>Demonstrate the site's responsiveness and resilience to respond to water risks</i>	
2.4.1	<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>	 Yes

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Comment	Site has engaged with IEAT and GUSCO (the local authority and infrastructure agency responsible providing water & wastewater service for the site) to understand the water risks for the industrial area and received the Emergency Response Plan of IEAT and GUSCO for handling the water related risk scenarios. The Emergency Response Plan includes drought response plan and Flood response plan.	
2.4.2	<i>Advanced Indicator</i> <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>	 Yes
Comment	The Emergency Response Plan of IEAT and GUSCO covers the plan to handle the water related extreme events. The Emergency Response Plan includes Flood response plan.	

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3	STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	<i>Implement plan to participate positively in catchment governance.</i>	
3.1.1	<i>Evidence that the site has supported good catchment governance shall be identified.</i>	 Yes
Comment	Site has provided evidence that it has supported good catchment governance. Some of the activities are: Awareness sessions for stakeholders, Sharing information with other stakeholders, Engaging with suppliers / service providers by sharing best practices, etc.	
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
Comment	Site has shared evidence of water saving opportunities implemented at site to reduce the water consumption from the supplier. Site has also engaged with the stakeholders to work on the water quality related issues in the IWRAs.	
3.1.3	<i>Advanced Indicator Evidence of improvements in water governance capacity from a site-selected baseline date shall be identified.</i>	 Obs.
Comment	For the evidence of indicator, site has provided details of water saving projects implemented by site and the future plans for water saving at site. There is a gap in understanding the requirement of indicator. The requirement is to provide evidence of improvements in water governance capacity from a site-selected baseline date and not about water balance / water consumption / water savings.	
3.1.4	<i>Advanced Indicator 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
Comment	There is representative evidence from the diverse range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment.	
3.2	<i>Implement system to comply with water-related legal and regulatory requirements and respect water rights.</i>	
3.2.1	<i>A process to verify full legal and regulatory compliance shall be implemented.</i>	 Yes
Comment	The site provided evidence of compliance with applicable legal and regulatory requirements based on the "EHS&S Regulatory Compliance" (SOP-022099) procedure. This includes daily records of wastewater quality maintained by Sahapornprom Co., Ltd.; submission of monthly wastewater quality reports to the Department of Industrial Works (DIW) twice a year; a factory permit; licenses for the wastewater treatment supervisor and operator (Sahapornprom Co., Ltd.); an underground tank inspection report; and an integrity test report. Additionally, the site conducts monthly reviews of wastewater performance in collaboration with Sahapornprom Co., Ltd.	
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	There are no water rights which are part of legal and regulatory requirements other than providing adequate water facility to the employees working at site.	
3.3	<i>Implement plan to achieve site water balance targets.</i>	

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3.3.1	<i>Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.</i>	 Yes
Comment	Site has provided the details of water saving projects being implemented at the site (both at process level and utility related).	
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	Site has provided the details of water intensity for last three years (Year 2023 to mid year 2025) and it is seen that there is an improvement in water intensity year on year.	
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>	 N/A
Comment	There is no legal binding on re-allocation of water to social, cultural or environmental needs.	
3.3.4	<i>Voluntary Advanced Indicator The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be quantified.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.4	<i>Implement plan to achieve site water quality targets</i>	
3.4.1	<i>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</i>	 Yes
Comment	Site is maintaining the water quality as per internal standards which are more stringent than the legal standard requirements. Based on the water quality reports, the progress is that the site maintains the water quality as per internal standards.	
3.4.2	<i>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.</i>	 Obs.
Comment	Water quality is being identified as a shared water challenge and is prioritised at the major challenge in the catchment. As of now, site has kept water quality internal standards which are more stringent than the legal standard requirements.	
3.5	<i>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</i>	
3.5.1	<i>Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	In WSP, site has set target of water quality monitoring of the identified IWRAs. Site has monitored the water quality of the IWRAs and share the same with the relevant stakeholders. In 2024, site has collaborated with the Lat Krabang Industrial Estate Office, GUSCO, and surrounding communities to jointly carry out canal dredging activities with an aim for removal of water hyacinths and aquatic weeds that obstruct water flow. In 2025, site in collaboration with the Lat Krabang Industrial Estate Office, GUSCO, Honda, the Lat Krabang District Office, and the Wat Thong Samrit community carried one time activity to improve water quality in the canal, but there is no improvement observed.	

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3.5.2 *Advanced Indicator* ✓
closed
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.

Comment Site has participated in some activities related to IWRA. There were no severely degraded Important Water-Related Areas being identified by site and therefore were no such evidence of completed restoration of non-functioning or severely degraded Important Water-Related Area.
During catchment tour, there was stream along the stormwater canal (outside the plant boundary) and Bueng Bua canal which is finally being pumped as storm water into the Bueng Bua canal. This stream was observed to be in a very bad / severe condition and may also be responsible for polluting other IWRA.

Finding No: TNR-018935

3.5.3 *Advanced Indicator* ✓
closed
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.

Comment As evidence for the indicator, site has presented some activities being performed for IWRAs, an open house event with stakeholders and water saving projects being implemented at the site level. However, these are not relevant evidence complying with the requirement of the indicator.

Finding No: TNR-018936

3.6 *Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.*

3.6.1 *Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.* ✓
Yes

Comment Site has installed adequate drinking water, sanitation and hygiene facilities within the premises to cater to the requirement of the staff onsite. Site has also compared the facilities with the required facilities as per law.

3.6.2 *Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.* ✓
Yes

Comment Site has been continuously working on reducing the freshwater consumption within the site and is also maintaining the wastewater quality within the specified norms. There is sufficient evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations.

3.6.3 *Advanced Indicator* 🔍
Obs.
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.

Comment Site has provided evidence of collaboration with the external stakeholders for the awareness related to responsible use of water, water quality improvement efforts and hygiene awareness.

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3.6.4	<i>Voluntary Advanced Indicator: In catchments where WASH has been identified as a shared water challenge, evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be identified.</i>	 N/A
Comment	Site has not opted for this indicator and did not provide any evidence.	
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>	 Obs.
Comment	Site has provided evidence of implementation of water conservation initiatives at the supplier's premises which has definitely resulted in the reduction of indirect water use for site. But there is no evaluation of the indirect water use as there were no specific targets being set by site.	
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	Site has provided evidence of engagement with suppliers and outsourced service provider such as water recycling project which can be considered as a result of the site's engagement related to indirect water use.	
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	Site has presented the actions taken by suppliers & service providers outside the catchment that are related to water saving projects, i.e. related to indirect water use and are the actions taken to address the identified water related risk.	
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	Site has presented evidence of engagement with the owners of shared water-related infrastructure and discussed with them on the emergency response plan for floods and draught.	
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
Comment	Site has implemented actions towards achieving best practice, related to water governance. Some of the actions are: awareness sessions, sharing information with other stakeholders, Engaging with stakeholders including suppliers & service providers by sharing best practices, etc.	
3.9.2	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	Site has implemented actions towards achieving best practice, related to targets in terms of water balance. The same is also visible with the site improving water intensity year on year.	

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3.9.3	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 Obs.
Comment	Site is maintaining the wastewater quality as per internal standards which are more stringent than the legal standard requirements. Site is also monitoring the wastewater parameters before each discharge outside the premises.	
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	With regards to the actions towards IWRAs, site has monitored the water quality of the IWRAs, collaborated with the stakeholders in carrying out canal dredging activities with an aim for removal of water hyacinths and aquatic weeds that obstruct water flow.	
3.9.5	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Yes
Comment	Site has implemented actions towards achieving best practice in terms of maintaining the WASH facilities at the site level.	
3.9.6	<i>Voluntary Advanced Indicator Achievement of identified best practice related to targets in terms of good water governance shall be quantified.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.9.7	<i>Voluntary Advanced Indicator Achievement of identified best practice related to targets in terms of sustainable water balance shall be quantified.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.9.8	<i>Voluntary Advanced Indicator Achievement of identified best practices related to targets in terms of water quality shall be quantified</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.9.9	<i>Voluntary Advanced Indicator Achievement of identified best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been implemented.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.9.10	<i>Voluntary Advanced Indicator Achievement of identified best practice related to targets in terms of WASH shall be quantified.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.9.11	<i>Voluntary Advanced Indicator A list of efforts to spread best practices shall be identified.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
3.9.12	<i>Voluntary Advanced Indicator A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be identified.</i>	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	

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3.9.13	<i>Voluntary 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>
Comment	Site has not attempted this indicator and did not provide any evidence.



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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 targets in the site's water stewardship plan and have also linked the targets with the water stewardship outcomes.
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>
Comment	Site has included a section in the water stewardship plan document to list the value creation against each target set in the water stewardship plan.
Finding No: TNR-018940	
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>
Comment	Site has not identified the shared value benefits achieved by implementing the actions of water stewardship plan.
Finding No: TNR-018939	
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	An annual review in form of open house event which is headed by Site leadership is being conducted each year in which the Site leadership after reviewing the water stewardship performance discloses the same with different category of stakeholders participating in the event.
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>

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Comment The site has an Emergency Response Procedure (SOP-002781) in place, which includes an annual review and root-cause analysis of any emergency incidents that occur during the year. In the event of an incident, the site uses the "CURVE" platform to conduct investigations, perform root-cause analyses, and implement both preventive and corrective actions. The EHS Manager and the EHS team are responsible for reporting such incidents to the Industrial Estate Authority of Thailand (IEAT).

No water-related emergency incidents were reported during the 2024–2025 period, up to the audit date.

The site conducts annual emergency drills for chemical spills and fire incidents. In 2024, chemical spill drills were conducted on 19 August in the general washing room and on 28 August in the Listerine Mixing area. These drills were reviewed and documented with photographs, clearly defined objectives, and detailed agendas.

Emergency response training is conducted based on the highest-risk scenarios identified at the site, which include fire, chemical spills, and floods.

The site's emergency response plan is integrated with its water emergency plan to address incidents such as chemical spills, stormwater pollution, and flood prevention related to water management.

4.3 *Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.*

4.3.1 *Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.*


Yes

Comment Site has provided evidence of consultation with the stakeholders on the site's water stewardship performance during the open house event in which feedback was received from the stakeholders. Additionally, site also organises an event every year after audit in which it discusses the water stewardship performance in detail. There is also quarterly meeting with GUSCO - the water / wastewater service provider and with IEAT - the industrial authority to discuss water stewardship performance.

4.3.2 *Voluntary Advanced Indicator
The site's efforts to address shared water challenges shall be evaluated by stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.*


N/A

Comment Site has not attempted this indicator and did not provide any evidence.

4.4 *Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.*

4.4.1 *The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.*


Yes

Comment Site's water stewardship plan have been modified and adapted to incorporate the relevant information and lessons learned from the evaluations and the feedback received from stakeholders and the finding raised in previous audits.

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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.	 closed
Comment	For the indicator, site has presented evidence of stakeholder announcement and meeting with various stakeholders on the water stewardship performance. But, there is no relevant evidence available which shows site's water-related internal governance and positions of executives responsible for compliance with water-related laws and regulations. Finding No: TNR-019334	
5.2	Communicate the water stewardship plan with relevant stakeholders.	
5.2.1	The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	 Yes
Comment	The water stewardship plan and its linkage with the AWS Standard outcomes is being communicated to relevant stakeholders by site on regular basis. The recent event was held on 6th June and the participants included IEAT, GUSCO, MWA, Irrigation authority, LDO (supplier), Shin Chai Hua (service Provider), Sprinkle (drinking water supplier), Sahapornprom (Wastewater treatment consultant company), Neighoring companies, and local communities.	
5.3	Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.	
5.3.1	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.	 Yes
Comment	The water stewardship performance is being communicated to relevant stakeholders by site on regular basis and the quantified performance for some targets. The recent event was held on 6th June in which various stakeholders have participated.	
5.3.2	Advanced Indicator The site's efforts to implement the AWS Standard shall be disclosed in the organization's annual report.	 Obs.
Comment	Site has provided the following evidences: - Johnson & Johnson Health for Humanity report 2024 which mentions about water stewardship efforts of the group operations and value chain. - Water stress sites working in line with AWS certification requirements	
5.3.3	Voluntary Advanced Indicator Benefits to the site and stakeholders from implementation of the AWS Standard shall be quantified in the organization's annual report.	 N/A
Comment	Site has not attempted this indicator and did not provide any evidence.	
5.4	Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.	
5.4.1	The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.	 Yes

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Comment The shared water challenges and the actions taken to address the challenges is being discussed with the stakeholders on regular basis. The recent event was held on 6th June and the participants included IEAT, GUSCO, MWA, Irrigation authority, LDO (supplier), Shin Chai Hua (service Provider), Sprinkle (drinking water supplier), Sahapornprom (Wastewater treatment consultant company), Neighoring companies, and local communities.

5.4.2 *Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.*  Yes

Comment Site has identified the stakeholders including IEAT, GUSCO, MWA, Irrigation authority and engaged with the identified authorities / agencies to discuss about the water related issues in the catchment and also engage with them to support in the activities at the catchment.

5.5 *Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.*

5.5.1 *Any site water-related compliance violations and associated corrections shall be disclosed.*  Yes

Comment The site has mentioned that there were no water-related compliance violations.

5.5.2 *Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.*  Yes

Comment No corrective actions taken by the site as there were no water related compliance violations.

5.5.3 *Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.*  Yes

Comment There was no water-related violation that may pose significant risk and threat to human or ecosystem health.

Previous Findings

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

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