Alliance for Water Stewardship Assessment Report for single site certification

Prepared for Perrier Vittel (Thailand) Ltd.

Single site certification against V2 AWS Standard

SITE: Perrier Vittel (Thailand) Ltd., Suratthani Factory

AWS REFERENCE: AWS-010-INT-CAB-00-07-0004-0081

Prepared by: SGS

SGS Ref.: AWS.2018.027

Version: 1

Date: 19th June 2019

REPORT DETAILS

REFERENCE	AWS.2018.027
CLIENT REFERENCE	Mr. Chaiyasak Phongsaphan
REPORT TITLE	**ALLIANCE FOR WATER STEWARDSHIP ASSESSMENT REPORT**
DATE SUBMITTED:	19th June 2019
CLIENT:	Perrier Vittel (Thailand) Ltd. 77 Moo 5 Thalongchang (Asia highway no.41 km.175), Punpin, Surat Thani 84130
PREPARED BY:	Ms. Nattarin Thunsiri Mr. Pitipoom Tungsirisuteekul Ms. Kasamol Phaibul 100 Nanglinchee Road Chongnonsee Yannawa Bangkok 10120 Tel: 02 6781 813 E-mail: Kasamol.phaibul@sgs.com
SIGNED:	Kasamol Phaibul Signed:
TECHNICAL SIGNATORY	Francesca Cerchia Signed:
STATUS	FINAL
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Table of content

1 EXECUTIVE SUMMARY

The scope of services covers the conformity assessment of water use in compliance with the AWS International Water Stewardship Standard Standard Version 2 for Perrier Vittel (Thailand) Ltd., Suratthani factory in 77 Moo 5 Thalongchang (Asia highway no.41 km.175), Punpin Suratthani in Thailand. The assessment has been completed in compliance with the AWS Certification requirements, Version 2 dated March 03rd 2019.

Perrier Vittel (Thailand) Ltd., Suratthani factory is part of the Nestlé Waters Group. The factory produces purified water, bottled in 3 different sizes (330 ml, 600 ml, and 1.5 l).

On May 16th and 17th 2018, SGS Thailand (hereinafter referred to as “SGS”) conducted the site site audit. A total of seven findings were raised during the course of the audit process, and they were all categorized as observations.

Given the review of evidence produced and the site visit inspection , SGS recommends that Perrier Vittel (Thailand) Ltd., Suratthani factory is awarded the AWS Core Certified status with surveillance audit interval of annual frequency.

2 SCOPE OF ASSESSMENT

The scope of services covers the conformity assessment of water use in compliance with the AWS Standard (Version 2.0) for the Perrier Vittel (Thailand) Ltd., Suratthani factory (hereinafter referred to as "the site") located at 77 Moo 5 Thalongchang (Asia highway no.41 km.175), Punpin, Suratthani, in Thailand.

The assessment has been completed in compliance with the AWS Certification requirements, Version 2.0 dated March 03rd 2019.

On May 16th - 17th , 2019, SGS conducted the conformity assessment of site's facilities and activities with regard to certification to the AWS Standard. Table 2.1 includes details of SGS audit team. The audit plan is attached as a separate document.

Table 2.1 SGS Audit Team

Audit Team	Qualifications/Experience	
Ms. Nattarin Thunsiri	Lead Auditor	AWS certified auditor, with more than 10 years experience in climatechange, environmental and sustainable audit and training.
Mr. Pitipoom Tungsirisuteekul	Auditor	Over 10 years of climatechange verifier experience with focus on GHGs emission.
Ms. Kasamol Phaibul	AWS Auditor	AWS certified auditor with about 10 years of environmental experience with focus on GHGs emission and due diligence.
Francesca Cerchia	Certifier	Over 20 years experience in environmental markets and auditing. AWS certified auditor and AWS accreditation manager.

The site was represented at the audit by:

Mr. Chaiyasak Phongsaphan, Water Resources Manager- Asia;

Ms. Jenjira Puthavorrachai, Sefety Health and Environment and Security Manager;

Ms. Nipaporn Charoenrit, Sefety Health and Environment- Suratthani.

The 2 days on-site audit covered documentary review, inspection of the installations and activities in the bottling plant and personnel interviews. Three hours slot had also been reserved for the stakeholders' consultation meeting on May 16th 2019.

The site provided most of the requested supporting documentation as evidence whilst on site. The outstanding information was provided in the aftermath of the site audit via access to the site sharepoint.

SGS provided initial feedback on the level required by the Standard during the closing meeting on May 17th 2019.

3 STAKEHOLDERS' ANNOUNCEMENT AND CONSULTATION

In compliance with the AWS Certification Requirements, public stakeholders' announcements were published on 3 oulets and at least 30 days before the site visit:

1. AWS website;
2. Client's website;
3. Local government board.

https://www.nestlepurelife.com/th/en-th/sustainability/AWS is the links to the announcement made by the Client on its corporate website

5 April 2019

Announcement

Perrier Vittel (Thailand) Ltd. 77 Moo 5 Thalongchang, Punpin, Suratthani 84130
Site AWS REGISTRATION NUMBER AWS-010-INT-CAB-00-07-0004-0081

Perrier Vittel (Thailand) Ltd. located at 77 Moo 5 Thalongchang, Punpin, Suratthani is seeking AWS (Alliance Water Stewardship) certification for its Suratthani factory. The bottling plant is located at 77 Moo 5 Thalongchang, Punpin, Suratthani 84130.

The stakeholder announcement will be carried out on May 16th, 2019 7:30-10:00 at the address 29 Moo 5 Thalongchang, Punpin, Suratthani 84130. The objective is to ensure the use of water is socially equitable, environmentally sustainable and economically beneficial.

We welcome stakeholders to participate in the consultation process. In the event, in case you cannot participate, we welcome your comments in written form. Options to communicate your feedback are:

- Meeting with the audit team at a public meeting for stakeholders to allow for discussion and comments on the compliance of Perrier Vittel (Thailand) Ltd. to the AWS Standard. This will take place on May 16th, 2019 7:30-10:00 at the location and address above if you wish to attend please RSVP by e-mail.
- Meeting with the audit team on site during the site visit on May 16th, 2019 13:00-16:00 and May 17th, 2019 9:00-16:00.
- Submitting written comments via email to the K.Nattarin at THclimatechange@sgs.com

Stakeholders submitting written comments shall clearly identify themselves and shall clearly define the interest they represent. Identification of the stakeholder will enable Perrier Vittel to provide effective and swift feedback.

Photo 3.1 Information Disclosure posted on site´s webpage

During the consulation period, SGS did not receive comments from stakeholder.

3.1 Local stakeholder consultation

Location: Chairman of Elder Club's House" from 7.00 AM. to 10.00 AM on 16/05/2019.

Participants: a total of 50 representants of local interests attended the consultation – local government representants, local villages and communities representants and private sector representants..

The consultation was led by the factory Human Resources Director. He explained that the site has classified stakeholders into two main groups: local authorities and business. In addition, he explained that 3 Important Water-Related Areas and 2 Water-Related Infrastructures have been identified and ranked between 3 and 4, which means the areas are in acceptable and good condition. The factory does not have any engagement activity in these areas. Nevertheless, it monitors the areas on a continuous basis and may setup area improvement projects in the future.

A good portion of the overall consultation time was allocated to discuss the shared water challenges, their prioritization and the status of each. The meeting was closed with the disclosure of wastewater analysis results and the illustration of water saving projects at plant level.

During meeting closure, all participants were prompted to ask questions and provide comments. In addition, all participants were provided with contact details they could use should they wanted to provide comments afterwards and were also invited to join the audit team on site till the end of day on May 17th 2019. No comments were received.

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In addition to the local stakeholder meeting, the auditors interviewed a representative from Ministry of Natural Resources and Environment of Suratthani province to gauge the sentiment vis-a-vis the factory's water stewardship programme. The view is that the plant always operated in a community friendly manner and that the volumes of groundwater pumped does not affect the nearby community.

Photo 3.1. 1 factory's representative

Photo 3.1.2 Meeting environment

4 DESCRIPTION OF CATCHMENT

Perrier Vittel (Thailand) Ltd., Suratthani factory is located in the middle part of the Tapi Basin. The Tapi Basin catchment area covers over 13,454.51[1] km^2. Tapi river is the main river of the Tapi Basin, which originates in the western and southern mountains of Nakhon Si Thammarat and it is separated into 2 main distributaries:

- Tapi river, which consist of the Chandi canal, the Sin-pun canal and the E-pun canal;
- The Sok canal, the Pra-sang canal and the Pum-duang canal

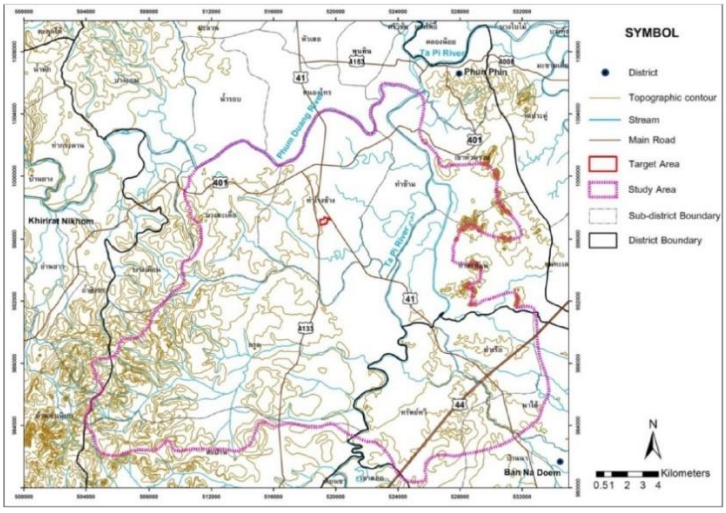
They merge at Punpin, in the Suratthani Province and then enters the gulf of Thailand. The area is alluvial plain. Water level is maintained in marshes during the dry season. The average of rain water changes between 1,400 to 3,900 mm. per year

The Tapi Basin covers southern 6 provinces:

Province	Basin Area (km3)	% of basin area
Krabi	1,680.79	12.49
Trang	0.005	0.00003
Nakhon Si Thammarat	2,328.72	17.31
Phangnga	35.9	0.27
Ranong	116.17	0.86
Suratthani	9,292.92	69.07

The basin consists mainly of agricultural and urban areas. The total agricultural area is 8,333.49 Km^3, which is 61.94% of basin area. The forest reserved area covers about 37.43% or 5,036.04 Km^3 of basin area.

Most of the Tapi basin's pollution stems from agriculture, industry and urbanisation. The Pollution Control Department and Environmental 14th Office has set 11 stations to monitor water quality. Water quality in the Tapi river and in the Pum-Duang are generally considered satisfactory both in dry and raining season.



[1] Chapter 1, Data gathering and analysis of Data system Development Project and modeling of 25 basins, http://www.thaiwater.net/web/attachments/25basins/22-tapee.pdf

Figure 1. The catchment map

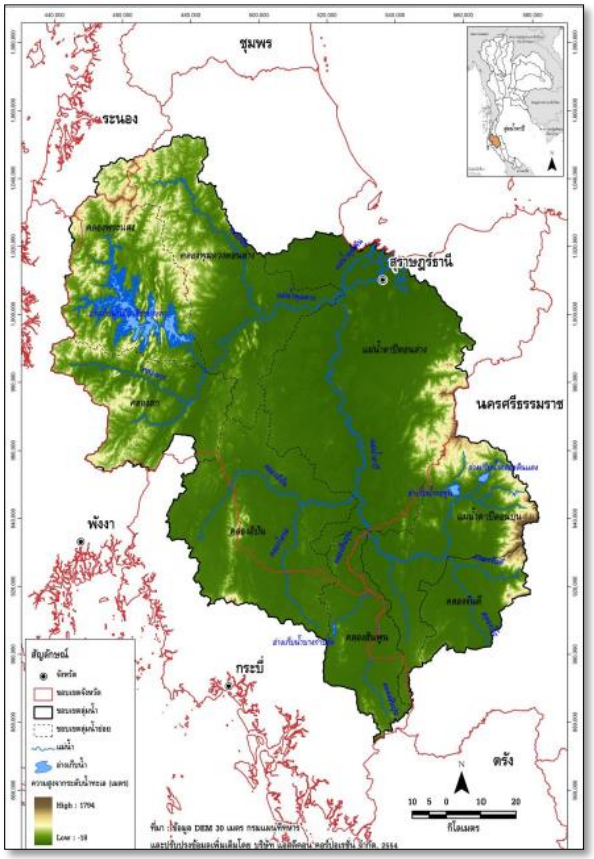


Figure 2. The catchment boundary

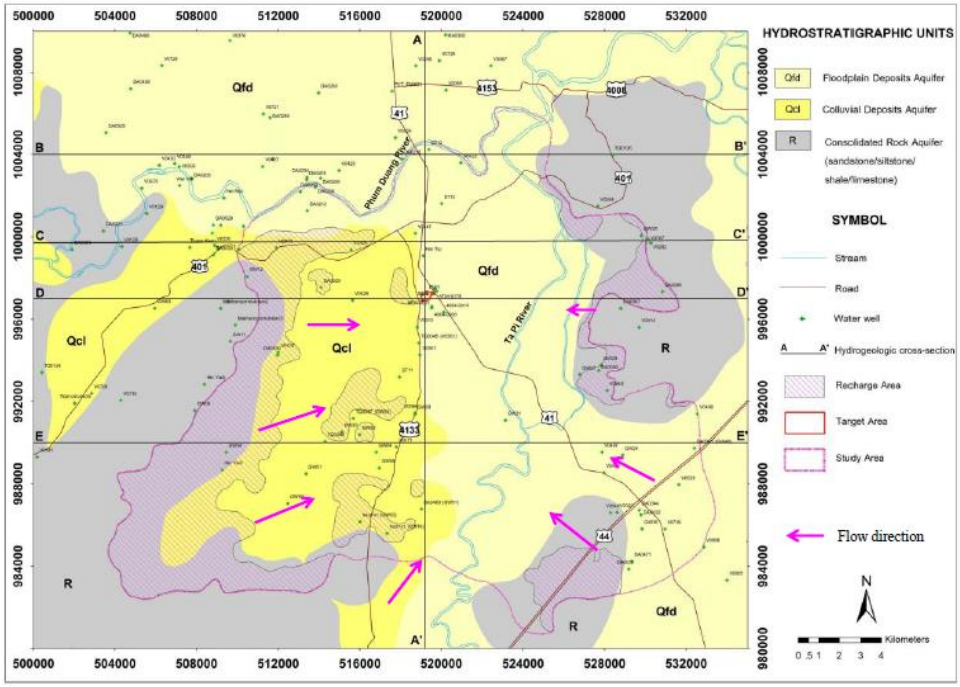


Figure 3: Hydrogeological map

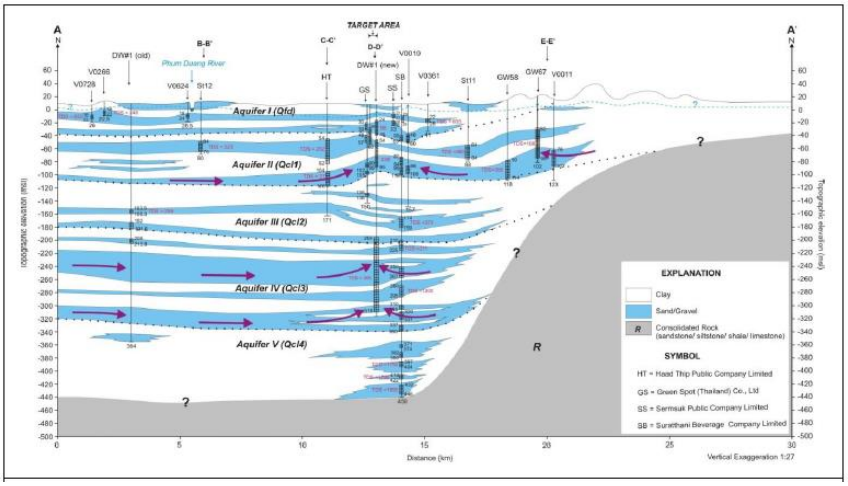


Figure 4: Hydrogeological Cross Section

Perrier Vittel (Thailand) Ltd., Suratthani factory is part of Nestlé Water Group. The factory produces purified water and natural mineral water, bottled in 3 different sizes (330 ml, 600 ml, and 1.5 l).

The raw water used for the production process is abstracted from 4 boreholes (DW#1, DW#2, DW#3, DW#4), while the shallow well is used for cleaning and washing within the factory. Table 2.2 provides details on the site water user licenses for the 5 boreholes.

Table 2.2 Basic Information of Boreholes

Borehole Reference	License No.	Drilled Depth (m bgl)	Current Yield (m^3/month)*	GPS Coordinates	
				X	Y
DW#1	48-50458-0143	321	9,453	0519302 E	0997224 N
DW#2	48-50458-0145	295	9,717	0519090 E	0996940 N
DW#3	48-50459-0015	287	7,878	0519068 E	0997105 N
DW#4	48-50459-0014	300	5,052	0519276 E	0996965 N
Shallow Well	48-50458-0144	100	6,240	0519089 E	0996922 N

* Note: The statistical data in 2018 were used.

Figure 5. Site and Wells map

Photo 6. Deep well house

Photo 7. Flow meter

5 SUMMARY OF SHARED WATER CHALLENGES

The plant Water Resources Manager has developed a list of main shared water challenges in the catchment. The Safety, Health and Environment (SHE) and security manager used the Community Relations Process (CRP) system to analyse and review the information gained from interviewed internal and external stakeholders. The CRP was carried out in November 2016 and, based on its outcome, the plant has developed the list of shared water challenges and related priority through an evaluation risk matrix that considered likelihood and severity. Likelihood indicates the possibility of an event to occur while severity indicates the magnitude of its impact on the plant's operations.

The water challenges are presented in Table 5.1 below. Information has been extracted from reference REF022 "Shared water challenges".

Shared water challenges	Associated public sector agency, initiative	Relevance for the stakeholders	Stakeholder groups	Relevant for the site	Initiatives	Opportunities		Likelihood	Impact	Priority	Status
Salinization of the water (surface and GW)	Department of Groundwater Resources Local government	Farming business: need for change	Other Influencers/Local Communities	Impact to factory operation	Water analysis monitoring	Eco	Protect brand/factory reputation and image	Low	Medium	Low	Continuous monitoring
					Well development	Env	Improve aquifer performance	Low	High	Medium	Continuous monitoring
					Water analysis monitoring	S	- Strengthen community relationship - Ensure no impact to community wells.	Low	Medium	Low	Continuous monitoring
Depletion of the GW	Department of Groundwater Resources Local government	Access to water of people in community	Other Influencers/Local Communities	Impact to factory operation	Static water level monitoring	Eco	Ensure community has enough water for consumption.	Low	High	Medium	Continuous monitoring
					Static water level monitoring	Env	Sustain water resources.	Low	High	Medium	Continuous monitoring

Shared water challenges	Associated public sector agency, initiative	Relevance for the stakeholders	Stakeholder groups	Relevant for the site	Initiatives	Opportunities		Likelihood	Impact	Priority	Status
					Static water level monitoring, engage and communicate to stakeholders.	S	Strengthen community relationship.	Low	High	Medium	Continuous monitoring, regular meeting with stakeholders (coffee talk)
Use of pesticide for farming	Department of Pollution	Access to water of people in community, Environmental impact	Other Influencers/Local Communities	Impact to factory operation	Water analysis monitoring	Eco	Protect brand/factory reputation and image	Low	Medium	Low	Continuous monitoring
					Well development	Env	Improve aquifer performance	Low	High	Medium	Continuous monitoring
					Water analysis monitoring	S	- Strengthen community relationship - Ensure no impact to community wells.	Low	Medium	Low	Continuous monitoring
Pollution from waste water from household and industries.	Government control, treatment plants mandatory for industries and block building.	Environmental impact to people in the community	Other Influencers/Local Communities	Impact to factory operation	Water analysis monitoring and raise awareness to protect natural resources	Eco	Protect brand/factory reputation and image	Low	Medium	Low	Continuous monitoring + ongoing CSV/CSR projects
					Water analysis monitoring and raise awareness	Env	Having collective action with communities and industries	Low	Medium	Low	Continuous monitoring + ongoing CSV/CSR projects

Shared water challenges	Associated public sector agency, initiative	Relevance for the stakeholders	Stakeholder groups	Relevant for the site	Initiatives	Opportunities		Likelihood	Impact	Priority	Status
					Water analysis monitoring and raise awareness	S	- Strengthen community relationship - Having collective action with communities and industries.	Low	Medium	Low	Continuous monitoring + ongoing CSV/CSR projects
Flood	Local government, Provincial Government	Impact to daily living of people in community	Other Influencers/Local Communities	Impact to factory operation	Prepare protection to reserve factory and water resources	Eco	Improve sales volume growth	Low	High	Medium	Factory has been designed to elevate from flood.
					N/A	Env	N/A				N/A
					Donate support to communities	S	Strengthen community relationship	Low	High	Medium	Monitor during moonsoon season.

6 INDICATORS CHECKLIST

As per the requirement set out in the AWS certification requirements Section 2.11.3.1 below is a checklist of all the CORE AWS indicators with the relevant reviewed evidence provided by the site. and the indicator with which it is associated.

Table 5.1 Evidence reviewed by SGS against each CORE AWS indicator

Clause	Details	Yes	No	Comments/Evidence
1	Gather and Understand (core)			
1.1	site's physical scope for water stewardship purposes			
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.**	☒	☐	- **Site boundary and discharge pint are identified in folder "Gap analysis" name "Surat Factory Boundary with discharge point"** - **Water source come from groundwater at confined aquifers. Aquifer of deep well name "Aquifer IV (Qcl3)" and shallow well name "Aquifer II (Qcl1)". The depth of Aquifer IV (Qcl3) is between 200 to 320 450 m. from ground surface level. While the depth of Aquifer II (Qcl1) is between 40 to 100 m. from ground surface level.** - **Discharge water is over flow system about 30 m3/day. Effluent flow from outlet to public canal Klong Siet to Tapi river and to the sea** - **Catchment is groundwater, which name Tapi basin** - **'Tapi basin is recharged from Western side of Tapi river** **Ref:** **REF04 Suratthani factory boundary picture**
1.2	Understand relevant stakeholders, their waterrelated challenges, and the site's			

Clause	Details	Yes	No	Comments/Evidence
	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.**	☒	☐	- **Stakeholders are classified into local authoriries, business stakeholders, Other Influencers and internal stakeholders** - **Stakeholder consultation was conducted on 16/05/2019. Representative from the factory has explained the identification of water-related interests and challenges. The participants can provide comments during the consultation or contact to factory's staffs to feedback after the meeting. However, no comments received during the meeting.** - **Participants in meeting are representative of local authority, local governors, polices, teachers, representative of factories nearby and stakeholders who live nearby the factory site.** **Ref:** **REF06 Stakeholder mapping around the factory** **REF036 Stakeholder consultation photos**
1.2.2	**Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.**	☒	☐	**Degree of influence is ranking from low (1) to high (4) level.**

Clause	Details	Yes	No	Comments/Evidence
1.3	Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.			
1.3.1	**Existing water-related incident response plans shall be identified.**	☒	☐	**The site has prepared incident response plan for flooding situation. The plan is BCP for Flood Crisis-Nestle Water Thailand, Issue August 1st, 2018, Revision 1.0** **Ref: REF033 Business continuity plan Nestle Water Thailand for Flood Crisis, issue date 01/08/2018**
1.3.2	**Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.**	☒	☐	**Reference Water Map daily shows water mapping of quantity of water withdrawal for processing and cleaning, with water input from deep wells, rain harvesting and water reused.** **Ref: REF09 Catchment water balance monitoring**
1.3.3	**Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.**	☒	☐	**Production consumed water at 347,342.26 m^3/year. The water in deep wells was 454, 754.28 m^3/year with raining reused was 5,944.20 m^3/year and the shallow well water was 60,047.98 m^3/year. The estimate water ratio of year 2018 was 1.62** **Ref: REF014 Site water consumption balance**
1.3.4	**Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.**	☒	☐	**Treated wastewater was sampling at Neutralization pond on 18/04/2019 and wastewater outlet on 25/03/2019. The results are inline with National standard.** **Ref:** **REF015 Wastewater in Neutralization pond, sampling date 18/03/2019, sampling and analysis by ALS Laboratory Group (Thailand) Co.,Ltd.** **REF016 Wastewater at outlet beside factory, sampling date 25/03/2019, sampling and analysis by ALS Laboratory Group (Thailand) Co.,Ltd.**

Clause	Details	Yes	No	Comments/Evidence
1.3.5	**Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.**	☒	☐	**The factory has identified the environmental health and safety impact of every list of storage chemical. The impact of leakage of chemical on groundwater is excepted because chemical storage room is far from water source and the storage room is closed and cover with bunds.** **Ref:** **REF018 Chemical stock Monitoring, updated 21/01/2019** **REF019 Chemical database** **REF020 Chemical mapping location**
1.3.6	**On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.**	☒	☐	**Water related area is considered at** • **Bandon Bay Wetland about 22 km. far from factory,** • **Khao Sok National Park about 59 km.far from factory,** • **Nong Thung Thong Wildlife Sanctuary about 20 km. far from factory,** • **Tha Sathon hot spring about 11 km. far from factory,** **Ref: REF023 Water related area prioritization**
1.3.7	**Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.**	☒	☐	**According to water-related cost and revenue are confidential, so the financial showed SAP system and how to extract cost and revenue. During the site visit, the financial representative show data tracking by vendors. Production cost is allocated and breakdown with production formula.**
1.3.8	**Levels of access and adequacy of WASH at the site shall be identified.**	☒	☐	**The factory has applied WASH to provide clean drinking water, toilets to all employees.** **Ref: REF031 WASH self assessment tool** **REF032 WASH action list**
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.			

Clause	Details	Yes	No	Comments/Evidence
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.**	☒	☐	**Most of the out-sources are the same with Ayutthaya factory.** **Ref: REF021 Top 5 suppliers who consume water with amount of water consumption**
1.4.2	**The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.**	☒	☐	**From all suppliers, the factory ranks and selected top 5 suppliers who consume the highest water source** **Ref: REF021 Top 5 suppliers who consume water with amount of water consumption**
1.5	Gather water-related data for the catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH			
1.5.1	**Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way,** **and relevant goals to help inform site of possible opportunities for water stewardship collective action.**	☒	☐	**The catchment authority has followed national strategic planning for water conservation, set by Department of Water Resources, Ministry of Natural Resource and Environment.** **Ref: REF07 20 years strategic planning of groundwater source, Bureau of Water Resources Policy and Planning, Department of Water Resources, December 2016**
1.5.2	**Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.**	☒	☐	**Water use licenses are issued by Ministry of Natural Resources and Environment of Suratthani province: "Water use license"** **Ref:** **REF08A Groundwater use license well No.1, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 07/07/2015, expiry date 06/07/2020** **REF08B Groundwater use license well No.2, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 07/07/2015, expiry date 06/07/2020** **REF08C Groundwater use license well No.3, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 30/03/2016, expiry date 29/03/2021**

Clause	Details	Yes	No	Comments/Evidence
				REF08D Groundwater use license well No.4, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 30/03/2016, expiry date 29/03/2021 **REF08E Groundwater use license of shallow well, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 07/07/2015, expiry date 06/07/2020**
1.5.3	**The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.**	☒	☐	**The site provides the dynamic water level compare with groundwater daily withdrawals. From the report of groundwater level monitoring by the government compare with the factory consumption, it can confirm that no water scarcity in the area.** **Ref:** **REF09 Catchment water balance monitoring** **REF014 Site water consumption balance**
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.**	☒	☐	**Surface water quality of Tapi Basin in Suratthani province is available on Pollution Control Department website at link;** http://iwis.pcd.go.th/index.php **Water quality in July until August is under Thailand's national standard.**
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.**	☒	☐	**Water related area is considered at** • **The status of Bandon Bay Wetland is 3 acceptable condition** • **The status of Khao Sok National Park is 4 in good condition** • **The status of Nong Thung Thong Wildlife Sanctuary is 4 in good condition** • **The status of Tha Sathon hot spring is 4 in good condition** **Ref: REF023 Water related area prioritization**
1.5.6	**Existing and planned water-related infrastructure shall be identified,**	☒	☐	**Water-related infrastructures are considered;** • **Local riverside market**

Clause	Details	Yes	No	Comments/Evidence
	including condition and potential exposure to extreme events.			• **Surat Thani Airport** **Both of them are far about 11-14 km. from the factory. The status of both infrastructures are level 4, which means all are in good condition.** **Ref: REF023 Water related area prioritization**
1.5.7	**The adequacy of available WASH services within the catchment shall be identified.**	☒	☐	**The factory keeps monitor water quality, which use for drinking and washing in communities nearby the factory.** **Ref: REF011 Catchment water quality monitoring**
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.**	☒	☐	**5 challenges are identified and prioritised from low to high level.** **Ref: REF022 Shared water challenges**
1.6.2	**Initiatives to address shared water challenges shall be identified.**	☒	☐	**The initiatives of shared water challenges are identified by separation into economic, environment and social section. Ref: REF022 Shared water challenges**
1.7	Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.			
1.7.1	**Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.**	☒	☐	**Water risks are identified and prioritized in likelihood, impact and priority by ranking from low to high. The criteria of ranking are also described.** 171 OBS: The factory should expect the potential costs from risk items and how risk can impact to factory operation. **Ref: REF022 Shared water challenges**

Clause	Details	Yes	No	Comments/Evidence
1.7.2	**Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.**	☒	☐	**Water project saving have been listed. Every projects will be done by prioritize from water saving ratio and investment budget. Then the project will be tracked in monthly by responsible person.** **172 OBS: No information update for piping cleaning of improvement project. The progress** **Ref: REF025 List of water improvement project**
1.8	Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.			
1.8.1	**Relevant catchment best practice for water governance shall be identified.**	☒	☐	**The factory setup world water day activity on 21/03/2019 and invite representative of local government organizations to share water conservation knowledge and list water problems in community around the factory.** **Ref:** **REF039 World Water day activity photos** **REF041 World Water day activity participant name**
1.8.2	**Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.**	☒	☐	**The factory has set water ratio to monitor amount of consume water in production and factory's facility. Then the projects will be set to reduce water consumption to below water ratio.** **Ref:** **REF026 Water saving target** **REF042 E-mail Combined Water Stress Index from Marc Alary, Regional Water Resource Manager Asia, date 10/10/2017** **REF043 CWSI of Suratthani factory**
1.8.3	**Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.**	☒	☐	**Before borehole installation, Nestle requirement mentions that the factory must do study water resource validation for new resource. The incoming water must be monitored heavy metal, pesticides and etc. parameters. Then the result must be sent to management team and receive confirmation letter to install borehole.**

Clause	Details	Yes	No	Comments/Evidence
				While waste water must be treated and monitor quality before releasing. The factory must comply the wastewater quality with Thailand's regulation and Nestle wastewater requirement. **Ref:** **REF024 Legal registration and evaluation** **REF10 Products Specification of Nestle Pure Life (Retail), document No. 8482.QA.S.S.001, revision 1.0** **REF011 Catchment water quality monitoring**
1.8.4	**Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.**	☒	☐	**According to no Important Water-Related Areas, but the factory has established monitoring borehole in the factory to detect any influences from the site.**
1.8.5	**Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.**	☒	☐	**The best practice for site provision of equitable and adequate WASH services is supplies safe drinking water for all workers, toilet for disabilities person.** **Ref: REF035 Handicap toilet photo**
2	Commit and Plan (core)			Comments/Evidence
2.1	Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.			
2.1.1	**A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:** **- That the site will implement and disclose progress on water**	☒	☐	- **Policy is publicly available on website: https://www.nestle.com/csv/impact/water/policy-stewardship** - **Nestle Water Commitments has been signed and disclosed in Key Global Message by Maurizio Patamello, CEO of Nestle Waters July 2017** - **Water Stewardship Roadmap, by Marco Settembri, Head of Nestle Waters, April 2016**

Clause	Details	Yes	No	Comments/Evidence
	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.**			- **Environmental Policy, signed by Stefano Manenti, factory manager- Suratthani** **Ref:** **REF01 Factory's environmental policy and Leadership commitment on water stewardship signed by Mr. Stefano Manenti Suratthani factory manager** **REF02 Nestle Commitment on water stewardship, policy mandatory July 2014** **REF03 Nestle Waters commitments, Key Global Message Internal Document, date July 2017, by Maurizio Patarnello CEO of Nestle Waters**
2.2	Develop and document a process to achieve and maintain legal and regulatory compliance.			
2.2.1	**The system to maintain compliance obligations for water and wastewater management shall be identified, including:** **- Identification of responsible persons/positions within facility organizational structure** **- Process for submissions to regulatory agencies.**	☒	☐	**Wastewater management and quality is controlled by national regulations. The control document of legal registration is identified name of responsible person** **Ref. REF024 Legal registration and evaluation**
2.3	Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.			
2.3.1	**A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.**	☒	☐	**Water stewardship strategy has been identified with the mission to save water consumption and reduce water ratio.** **Ref: REF025 List of water improvement project**

Clause	Details	Yes	No	Comments/Evidence
2.3.2	**A water stewardship plan shall be identified, including for each target:** **- How it will be measured and monitored** **- Actions to achieve and maintain (or exceed) it** **- Planned timeframes to achieve it** **- Financial budgets allocated for actions** **- Positions of persons responsible for actions and achieving targets** **- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the** **AWS outcomes.**	☒	☐	**Each plan is monitored in monthly basis. In every plan are identified name of responsible person, starting-end project timeline. If any project require budget, budget amount will be identified.** **Ref: REF025 List of water improvement project**
2.4	Demonstrate the site's responsiveness and resilience to respond to water risks			
2.4.1	**A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall** **be identified.**	☒	☐	**The factory apply guideline toward a sustainable water resources. In guideline mentions about the critical situation that in situations where groundwater levels are already below locally agreed water levels, a reduction in pumping volume or rate may be required. In the case of obvious decline of the local water levels, the performances have been identified.** **Ref: REF017 Guideline towards a sustainable water resources management at Nestle, Gy-11.001/7/2015**
3	Implement (core)			Comments/Evidence
3.1	Implement plan to participate positively in			

Clause	Details	Yes	No	Comments/Evidence
	catchment governance.			
3.1.1	**Evidence that the site has supported good catchment governance shall be identified.**	☒	☐	**On August 17th 2017, Human resource manager and Water Resources Manager- Asia were speaker under water management and water sustainable for university students.** **Ref:** **REF044 Speaker for university student**
3.1.2	**Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.**	☒	☐	**The factory supports the community to have the good quality of water consumption by keeping monitor deep wells in community and support drinking water for community for special events.** **Ref:** **REF040 Water donation**
3.2	Implement system to comply with water-related legal and regulatory requirements and respect water rights.			
3.2.1	**A process to verify full legal and regulatory compliance shall be implemented.**	☒	☐	**The regulation related to groundwater extraction and consumption, and quality of wastewater before releasing have been monitored and evaluated by the responsible team.** **Ref:** **REF024 Legal registration and evaluation** **REF045 Water quality in community deep wells**
3.2.2	**Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.**	☒	☐	**N/A Thailand's regulation does not mention about water right.** **Ref: REF024 Legal registration and evaluation**
3.3	Implement plan to achieve site water balance targets.			

Clause	Details	Yes	No	Comments/Evidence
3.3.1	**Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.**	☒	☐	**Evidence that the site has been improving water balance through reductions in water use, recycle wastewater, and use rain water for washing.**
3.3.2	**Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.**	☒	☐	**From report of Department of Groundwater Resources confirms that no water scarcity in the factory's area.** **However, the factory keeps monitoring rainfall together with groundwater level after pumping out.** **Ref:** **REF046 Report of water scarcity from Department of Groundwater Resources, Ministry of Natural Resources and Environment** **REF029 Rainfall trending between 2015 to 2018**
3.3.3	**Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.**	☒	☐	**The factory has provided drinking water to community in special events.** **Ref: REF040 Water donation**
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.**	☒	☐	**Effluent water quality is under Thailand's national standard.** **Ref: REF027 Wastewater analysis report during January 207 to December 2018**
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.**	☒	☐	**Quality of discharge water does not shared water challenge. However, Nestle water has own criteria of discharge wastewater quality. Some standard value is stronger than Thailand's national's standard.** **Ref: REF027 Wastewater analysis report during January 207 to December 2018**
3.5	Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.			

Clause	Details	Yes	No	Comments/Evidence
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.**	☒	☐	**N/A, no concern arise around shared water challenges that affected or link to important water-related area.** **Ref:** **REF022 Shared water challenges** **REF023 Water related area prioritization**
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.**	☒	☐	**The factory provides drinking water to all workers, toilets for men, women and disability person separately.** **Ref:** **REF035 Handicap toilet photo** **REF047 Self assessment tool for evaluating access to water, sanitation and hygiene (WASH) at workplace**
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.**	☒	☐	**The factory provides drinking water to all workers, toilets for men, women and disability person separately.** **Ref:** **REF035 Handicap toilet photo** **REF047 Self assessment tool for evaluating access to water, sanitation and hygiene (WASH) at workplace**
3.7	Implement plan to maintain or improve indirect water use within the catchment.			
3.7.1	**Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.**	☒	☐	**The site present AWS knowledge to contractor and suppliers.** **Ref:** **REF021 Top 5 suppliers who consume water with amount of water consumption**

Clause	Details	Yes	No	Comments/Evidence
				REF030 Sharing AWS information to contractors and suppliers **371OBS: Although indirect water uses targets have not been set in water stewardship plan, but the factory should monitor and evaluate water consumption level of the suppliers. Why Thai Shinkong Industries Co., Ltd. discharge wastewater in year 2018 less than 2017 while the consumption is nearly the same? Also, why the factory does not recycle wastewater in year 2018.**
3.7.2	**Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.**	☒	☐	**The site present AWS knowledge to contractor and suppliers.** **Ref: REF030 Sharing AWS information to contractors and suppliers**
3.8	Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.			
3.8.1	**Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.**	☒	☐	**N/A, no concern arise around shared water challenges that affected or link to water-related infrastructure. However, list of water infrastructure is monitored. If any water infrastructure nearby found impact , it will be listed in shared water challenges immediately.** **Ref: REF023 Water related area prioritization**
3.9	Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.			
3.9.1	**Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.**	☒	☐	**The factory setup world water day activity on 21/03/2019 and invite representative of local government organizations to share water conservation knowledge and list water problems in community around the factory.**

Clause	Details	Yes	No	Comments/Evidence
				392OBS: World Water Day activity should update the progress of site's water challenges operation. **Ref:** **REF039 World Water day activity photos** **REF041 World Water day activity participant name**
3.9.2	**Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.**	☒	☐	**The water consumption rate has been decreased when compare with water ratio. While the water ratio has been setup decreasing from year 2017.** **Ref:** **REF042 E-mail Combined Water Stress Index from Marc Alary, Regional Water Resource Manager Asia, date 10/10/2017** **REF043 CWSI of Suratthani factory**
3.9.3	**Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.**	☒	☐	**Water quality of incoming water is under Nestle water quality standard.** **While treated wastewater is complied with Thailand's regulation and Nestle wastewater requirement.** **Ref:** **REF024 Legal registration and evaluation** **REF10 Products Specification of Nestle Pure Life (Retail), document No. 8482.QA.S.S.001, revision 1.0** **REF011 Catchment water quality monitoring**
3.9.4	**Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.**	☐	☐	**N/A. According to no Important Water-Related Areas, but the factory has established monitoring borehole in the factory to detect any influences from the site.**
3.9.5	**Actions towards achieving best practice related to targets in terms of WASH shall be implemented.**	☒	☐	**The best practice for site provision of equitable and adequate WASH services is supplies safe drinking water for all workers, toilet for disabilities person.** **Ref: REF035 Handicap toilet photo**

Clause	Details	Yes	No	Comments/Evidence
4	Evaluate (Core)			
4.1	Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.			
4.1.1	**Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.**	☒	☐	**N/A, This is the 1st year assessment. This pending indicator will be covered again in next year surveillance for continuous improvement.** **411OBS: The evaluation of site's water stewardship plan and the achieving water stewardship outcomes will be checked in the first year surveillance audit.**
4.1.2	**Value creation resulting from the water stewardship plan shall be evaluated.**	☒	☐	**N/A, This is the 1st year assessment. This pending indicator will be covered again in next year surveillance for continuous improvement.**
4.1.3	**The shared value benefits in the catchment shall be identified and where applicable, quantified.**	☒	☐	**N/A, This is the 1st year assessment. This pending indicator will be covered again in next year surveillance for continuous improvement.** **413 OBS: Value creation and share value benefit in catchment shall be explained in the first year surveillance audit.**
4.2	Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.			
4.2.1	**A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.**	☒	☐	**Water level has been monitored and recorded in control room. Then the conclusion will be summarized in annually. The incident response plan for flooding situation is reviewed and updated when any changes caused.**
4.3	Evaluate stakeholders' consultation feedback regarding the site's water			

Clause	Details	Yes	No	Comments/Evidence
	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.**	☒	☐	**N/A, This is the 1st year assessment. This pending indicator will be covered again in next year surveillance for continuous improvement**
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.**	☒	☐	**N/A, this is the 1st year assessment. This pending indicator will be covered again in next year surveillance for continuous improvement.**
5	Communicate and Disclose (core)			
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.**	☒	☐	**The site responsible team has been disclosed on company's website at link https://www.nestlepurelife.com/th/sites/g/files/xknfdk641/files/2019-05/Surat%20Factory%20%E2%80%93%20AWS%20Team.pdf**
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**	☒	☐	**Share water challenges and contributes planning has been disclosed on company's website at link; https://www.nestlepurelife.com/th/sites/g/files/xknfdk641/files/2019-05/Shared%20water%20challenges-Surat.pdf**

Clause	Details	Yes	No	Comments/Evidence
	outcomes, shall be communicated to relevant stakeholders.			**Moreover, the challenges were communicated to stakeholders during consultation meeting on 16/05/2019.** **521OBS: The outcome from water stewardship plan should not be disclosed only on website but also communicate directly to all stakeholders**
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.**	☒	☐	**The summary of site's performance against targets has been disclosed on company's website at link; https://www.nestlepurelife.com/th/sites/g/files/xknfdk641/files/2019-05/Actual%20-%20Water%20Ratio%20-%202018-YTD%20Apr2019.pdf**
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.**	☒	☐	**Site's shared water-related challenges has been informed during stakeholder consultation on 16/05/2019 and disclosed on company's website at link; https://www.nestlepurelife.com/th/sites/g/files/xknfdk641/files/2019-05/Shared%20water%20challenges-Surat.pdf**
5.4.2	**Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.**	☒	☐	**The factory set up World Water Day activity to encourage community and public sectors agencies to share comments about problem related to water catchment and groundwater.** **Also, during the stakeholder consultation on 16/05/2019, human resources manager informed the participants about factory's shared water challenges. Although no comments received during the meeting, but the factory has opened communication channels by phone, E-mail and talking directly to factory's representative to receive feedback.**

Clause	Details	Yes	No	Comments/Evidence
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.**	☒	☐	**During the stakeholder consultation on 16/05/2019, human resources manager informed the participants about factory's shared water challenges and AWS activity. Although no comments received during the meeting, but the factory has opened communication channels by phone, E-mail and talking directly to factory's representative to receive feedback.** **If any feedback receives, it is the responsibility of Sefety Health and Environment (SHE), Human Resources and team leader to solve problem and communicate to community by following a standard procedure for communication.** **Ref: REF038 Standard procedure of Communication System, document No. 8482.SHE.SA.P.024**
5.5.2	**Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.**	☒	☐	**As per the Standard procedure of Communication System of Nestle Water, the corrective action will be taken and disclosed within and outside the factory.** **Ref: REF038 Standard procedure of Communication System, document No. 8482.SHE.SA.P.024**
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.**	☒	☐	**As per the Standard procedure of Communication System of Nestle Water, any violation that may pose risk and threat to human or ecosystem health shall be communicated by E-mail, letter, memorandum and fax.** **Ref: REF038 Standard procedure of Communication System, document No. 8482.SHE.SA.P.024**

7 AUDIT FINDINGS

A findings log was issued to the site which detailed the findings raised during the audit. As there were a large number of documents supplied to SGS as evidence and each one had to be reviewed, the findings log acted as a live document and was updated periodically until all indicators and documents had been reviewed for compliance. The site was then provided with time to respond to the findings and supply additional information for SGS to the review and to either accept and close the finding or request further information or action. Once all findings were closed by the Lead Auditor all documentation and audit trail were then reviewed by the Certifier.

7.1 MAJOR NON CONFORMANCES

During the course of the audit major non-conformances were not raised.

Table 6.1.1. Major Non-Conformances raised during the AWS audit process

No.	Type	Ref.	Details	Response by Perrier Vittel (Thailand) Ltd., Suratthani factory	Relevant References

7.2 MINOR NON CONFORMANCES

Minor non-conformances were not raised during the audit process.

Table 7.2.1. Minor Non-Conformances raised during the AWS audit process

No.	Type	Ref.	Details	Response by Perrier Vittel (Thailand) Ltd., Suratthani factory	Relevant References

7.3 OBSERVATIONS

Five observations were raised during the audit which are only to be considered as improvement opportunities. No action is necessary during this audit period but these issues would most likely come under scrutiny during a surveillance audit scenario.

Table 7.3.1. Observations and New Information Requests raised during the AWS audit process

No.	Type	Ref.	Details	Response by Perrier Vittel (Thailand) Ltd., Suratthani factory	Relevant References
1.7.1	Observation	171OBS	The factory should expect the potential costs from risk items and how risk can impact to factory operation.		
1.7.2	Observation	172OBS	No information update for piping cleaning of improvement project. The progress of projects should be updated		
3.7.1	Observation	371OBS	Although indirect water uses targets have not been set in water stewardship plan, but the factory should monitor and evaluate water consumption level of the suppliers. Why Thai Shinkong Industries Co., Ltd. discharge wastewater in year 2018 less than 2017 while the consumption is nearly the same? Also, why the factory does not recycle wastewater in year 2018.		
3.9.2.	Observation	392OBS	World Water Day activity should update the progress of site's water challenges operation.		
4.1.1	Observation	411OBS	The evaluation of site's water stewardship plan and the achieving water stewardship outcomes will be checked in the first year surveillance audit...		
4.1.3	Observation	413OBS	Value creation and share value benefit in catchment shall be explained in the first year surveillance audit.		
5.2.1	Observation	521OBS	The outcome from water stewardship plan should not be disclosed only on website but also communicate directly to all stakeholders		

8 SUMMARY

In reviewing the body of evidence presented by Perrier Vittel (Thailand) Ltd., Suratthani factory it is apparent that a considerable quantity of effort and work has been put into the preparation in closing the gaps for the audit for Alliance for Water Stewardship Certification.

The instances of observations were raised during the audit which are affectively recommendations for future improvement. No action is necessary during this audit period but these issues would most likely come under scrutiny during a surveillance audit scenario.

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9 OPPORTUNITIES FOR IMPROVEMENT

The certification audit for Perrier Vittel (Thailand) Ltd., Suratthani factory against the AWS Standard is for the initial assessment of conformity and as such allows for some areas for improvement going forward.

As this was a first year assessment, focus of the review has been on the documented plan and its implementation to date.

Future audits will review deeply the evaluation of performance against the Standard indicators and how this is monitored and presented as compliance. SGS recommends that the factory develops robust ways of monitoring performance against the indicators, collecting, storing and publishing accessibility related to AWS on the website at least in annually.

10 CONCLUSIONS AND RECOMMANDATIONS

Given the review of evidence produced and site visit inspections SGS recommends that Perrier Vittel (Thailand) Ltd., Suratthani factory is awarded AWS Core Certified status with a surveillance audit interval of annual frequency.

11 REFERENCES

REF01	Factory's environmental policy and Leadership commitment on water stewardship signed by Mr. Stefano Manenti Suratthani factory manager
REF02	Nestle Commitment on water stewardship, policy mandatory July 2014
REF03	Nestle Waters commitments, Key Global Message Internal Document, date July 2017, by Maurizio Patarnello CEO of Nestle Waters
REF04	Suratthani factory boundary picture
REF05	Groundwater Modeling Validation of Deep aquifers of the new Nestle Water factory area in Surat Thani Province, date 29 August 2016
REF06	Stakeholder mapping around the factory
REF07	20 years strategic planing of groundwater source, Bureau of Water Resources Policy and Planning, Department of Water Resources, December 2016
REF08A	Groundwater use license well No.1, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 07/07/2015, expiry date 06/07/2020
REF08B	Groundwater use license well No.2, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 07/07/2015, expiry date 06/07/2020
REF08C	Groundwater use license well No.3, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 30/03/2016, expiry date 29/03/2021
REF08D	Groundwater use license well No.4, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 30/03/2016, expiry date 29/03/2021
REF08E	Groundwater use license of shallow well, issued by Director of Provincial Offices for Natural Resources and Environment Surat Thani, issued date 07/07/2015, expiry date 06/07/2020
REF09	Catchment water balance monitoring
REF10	Products Specification of Nestle Pure Life (Retail), document No. 8482.QA.S.S.001, revision 1.0
REF011	Important water-related area and catchment water quality monitoring
REF012	Water situation monitoring and incident response plan
REF013	Incident monitoring and response plan
REF014	Site water consumption balance
REF015	Wastewater in Neutralization pond, sampling date 18/03/2019, sampling and analysis by ALS Laboratory Group (Thailand) Co.,Ltd.
REF016	Wastewater at outlet beside factory, sampling date 25/03/2019, sampling and analysis by ALS Laboratory Group (Thailand) Co.,Ltd.
REF017	Guideline towards a sustainable water resources management at Nestle, Gy-11.001/7/2015
REF018	Chemical stock Monitoring, updated 21/01/2019
REF019	Chemical database
REF020	Chemical mapping location
REF021	Top 5 suppliers who consume water with amount of water consumption
REF022	Shared water challenges
REF023	Water related area prioritization
REF024	Legal registration and evaluation
REF025	List of water improvement project
REF026	Water saving target
REF027	Wastewater analysis report during January 207 to December 2018
REF028	Aspect identification and Evaluation of Surathani factory, document No. 8482.PD.SHE.001
REF029	Rainfall trending between 2015 to 2018
REF030	Sharing AWS information to contractors and suppliers
REF031	WASH self assessment tool
REF032	WASH action list
REF033	Business continuity plan Nestle Water Thailand for Flood Crisis, issue date 01/08/2018
REF034	Announcement AWS activity at Tharongchang local government board photos
REF035	Handicap toilet photo

REF036	Stakeholder consultation photos
REF037	Water raio from January to December 2018
REF038	Standard procedure of Communication System, document No. 8482.SHE.SA.P.024
REF039	World Water day activity photos
REF040	Water donation
REF041	World Water day activity participant name
REF042	E-mail Combined Water Stress Index from Marc Alary, Regional Water Resource Manager Asia, date 10/10/2017
REF043	CWSI of Suratthani factory
REF044	Speaker for university student
REF045	Water quality in community deep wells
REF046	Report of water scarcity from Department of Groundwater Resources, Ministry of Natural Resources and Environment
REF047	Self assessment tool for evaluating access to water, sanitation and hygiene (WASH) at workplace