

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

For

PT. HM Sampoerna, Tbk. –Karawang Plant

Karawang International Industrial City, Jalan Permata Dua

Lot B3, BB4B, BB7, BB8A Puseurjaya, Kec. Telukjambe

Timur Kabupaten Karawang, Jawa Barat 41361 Indonesia

Prepared by: TÜV Rheinland

Cert. Number: AWS-000351

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1. Client and Certification Details

Client Name:	PT. HM Sampoerna, Tbk. –Karawang Plant
Audit location:	Karawang International Industrial City, Jalan Permata Dua Lot B3, BB4B, BB7, BB8A Puseurjaya, Kec. Telukjambe Timur Kabupaten Karawang, Jawa Barat 41361 Indonesia
Country:	Indonesia
Activities/Processes:	Cigarette manufacturing
Contact person:	Sibarani Triasni
Contact email:	Triasni.Sibarani@sampoerna.com
Company website:	https://www.sampoerna.com/
AWS Reference Number:	AWS-000351
Type of audit:	Conformity assessment
Audit date(s):	8 th to 10 th November 2021
Audit Standard:	V2.0 Core
Proposed date of next audit:	10 th November 2022
Audit report completed by:	Ian Jiang
Contact email:	Ian.Jiang@tuv.com

Executive Summary

The scope of service covers the conformity assessment of water management and usage for PT. HM Sampoerna, Tbk. –Karawang Plant. The assessment was completed in compliance with the AWS Standard Version 2.0 dated on Mar 2019.

PT. HM Sampoerna, Tbk. –Karawang Plant is a tobacco manufacturer, mainly producing a variety of tobacco products. The premises occupied about 580,000 square meters, and currently it has about 1300 employees. The production process for is primary process-secondary process- printing /packing processing.

The plant located in the Karawang International Industrial City. Surrounding are the different types of factories. The north side is a highway, and then a resident area of the industrial city. The plant uses the water provided by the Karawang International Industrial city, which is extracted from the water reservoirs. The plant also has a wastewater treatment plant. After onsite treatment, the wastewater is discharged to central wastewater treatment plant of the industrial city for final treatment.

The plant conducted the pre-assessment in 1 November 2021, during the pre-assessment, the plant provided the evidences compliant to the standard. The HM Sampoerna-Karawang plant is ready initial assessment the AWS standard Version 2.0- Core Level.

During 8th to 10th November, TÜV Rheinland conduct the hybrid conformity assessment for PT. HM Sampoerna, Tbk. –Karawang Plant. The lead auditor participated offsite, and the auditor participated onsite. During audit, onsite tour, document review, management interview and stakeholder interview were performed. Nil non-conformity was raised, and four observations were identified in the audit.

Certification level: Core

After thorough evaluation of the non-conformance and observations, in compliance with the AWS Certification Requirement V2.0, TÜV Rheinland auditor team would recommend to reward PT. HM Sampoerna, Tbk. –Karawang Plant AWS Core Certified status. Surveillance audit should be conducted on an annual basis.

2. Scope of Assessment

Client factories main products	Tobacco, Cigarette, Cigar
Client factories production processes	Primary process-Secondary process-Packing
Assessment preparations activities include:	Document review, stakeholder comments collecting
Assessment activities includes:	Document review, management interview, employee interview, site tour
Assessment follow-up activities includes (in any):	Nil

3. Description of the Catchment

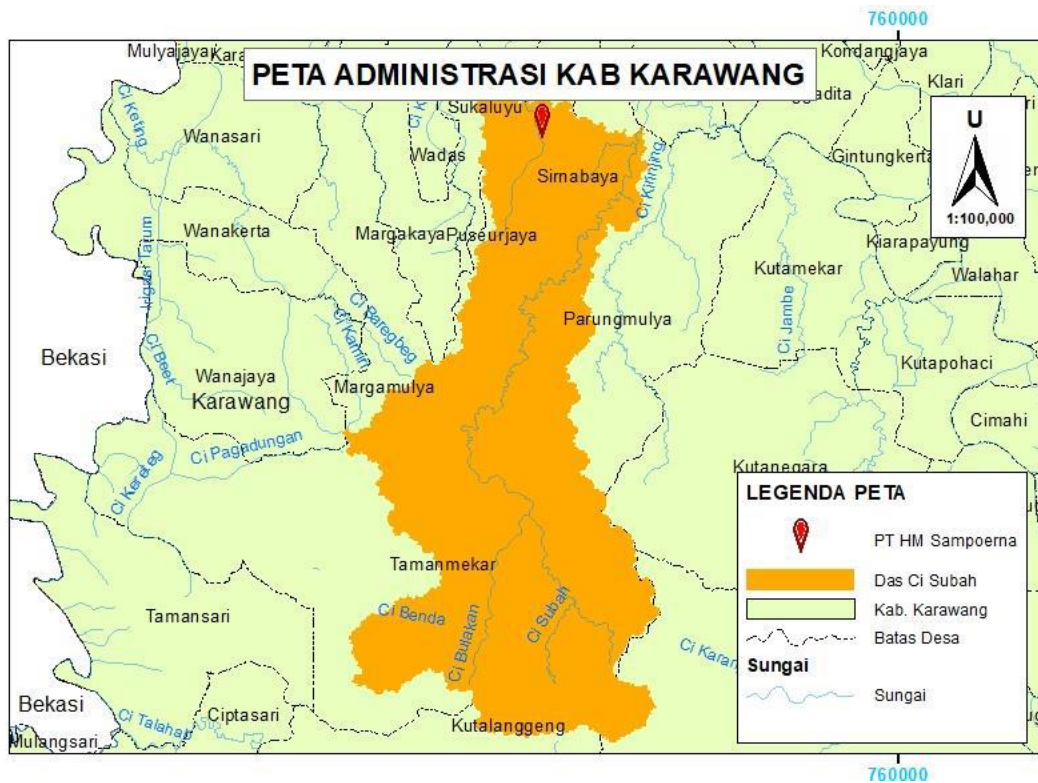


Photo 1: The catchment map

PT. HM. Sampoerna, Karawang Plant operates in the Karawang Regency area, precisely in the middle of the Regency area. The location of the plant is located downstream of the Ci Subah watershed which is part of the Citarum River in West Java. Although it is included in the Citarum river area which has an upstream in Mount Wayang, the Ci Subah watershed has an upstream area located on Mount Sanggabuana which is the highest plateau closest to the Ci Subah watershed.

PETA DAS CI SUBAH

Legenda Peta

● PT HM Sampoema	
Batas DAS	
-	DAS Cibadak
DAS Apurtinggal	DAS Cibulan-Bulan
DAS Buaya	DAS Cibungur
DAS Ci Kalapa	DAS Ciderewak
DAS Cengkong	DAS Cikahuripan
DAS Ci Beet	DAS Cirahim
DAS Ci Cadasbodas	DAS Ciraka
DAS Ci Gembol	DAS Citamiang
DAS Ci Gemporoke	DAS Ciwadas
DAS Ci Herang	DAS Ciwaluh
DAS Ci Hiang	DAS Ciwaringin
DAS Ci Jambe	DAS Ciwitu
DAS Ci Keruh	DAS Ciwulan
DAS Ci Kiriing	DAS Kali Asin
DAS Ci Lamarin	DAS Kawani
DAS Ci Lamaya	DAS Kumbang
DAS Ci Omas	DAS Laes
DAS Ci Pamingkis	DAS Merah
DAS Ci Patar	DAS Parakan
DAS Ci Saga	DAS Rawacabe
DAS Ci Sarua	DAS Sasakpanjang
DAS Ci Sentek	DAS Sedari
DAS Ci Talahab	DAS Tasrip
DAS Ci Wadas	DAS Tegal
DAS Ciampel	DAS Tunut
	DAS Wanu
	Das Ci Subah

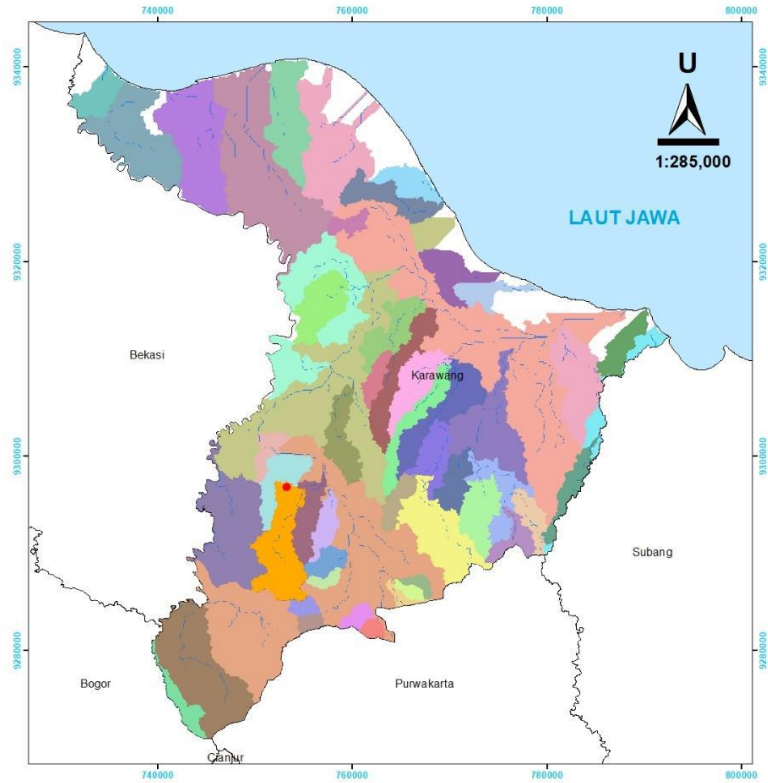


Photo 2: The sub-catchment map

The Ci Subah sub-watershed has an area of 41.31 Km² (4131.38 ha) and is located in the Karawang Regency area. The watershed is located in 5 sub-districts and 7 villages, namely Telukjambe Timur District (Sirnabaya Village, Puseurjaya, Sukaluyu), West Telukjambe (Marga Mulya Village), Pangkalan (Tamanmekar Village), Tegalwaru (Kutalanggeng Village), and Ciampel (Parungmulya Village). The water will be discharged to Citarum River, and finally flow to Java Sea.

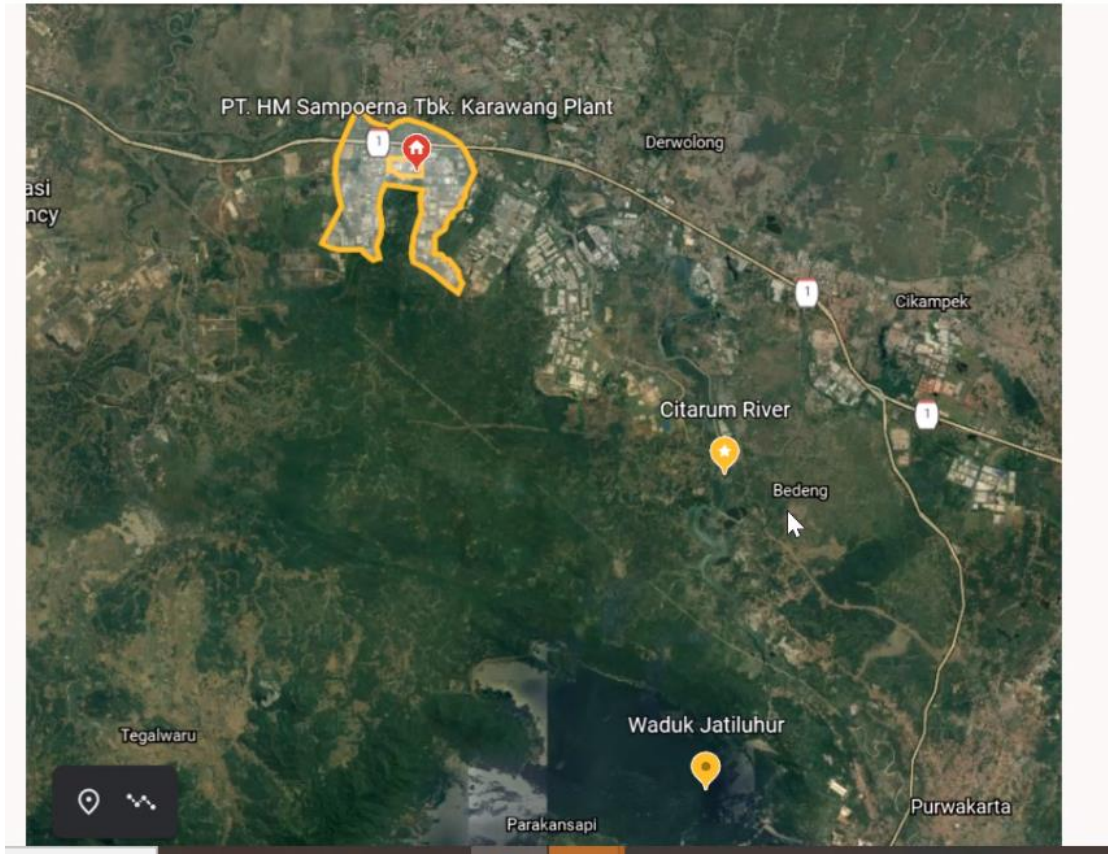


Photo 3: The map of the water source

All the incoming water is from Karawang International Industrial City, and they obtain the water from Jatiluhur water reservoir.(Waduk Jatiluhur on the map)

Site map and boundaries Karawang Plant



Address : Karawang International Industrial City, Jalan Permata Dua Lot B3, BB4B, BB7, BB8A, Puseurjaya, Kec. Telukjambe Tim., Kabupaten Karawang, Jawa Barat

Photo 4: The layout of the plant

The plant has four main production buildings, and a few warehouse buildings. The main utilities

include one water treatment building, one wastewater treatment plant and one boiler. The drink water is bottle water from third party.

Summary of the Stakeholder Interview

During the audit, auditor conducted the remote interview with stakeholders by phone call. Total 9 participants attended the stakeholder meeting. one were from the government agency (*Satgas Citarum Harum Sektor 16*), two from the NGO, one from the local village representative, one from the university and four from internal stakeholders (worker and contractor).

Based on the interviews with local stakeholders, overall the stakeholders were satisfied about the Sampoerna's effort on the water stewardship. The officers from government agency stated that the Sampoerna have done great contribution on the conservation of the local environment and watershed, such as the replantation, engaging with the local company for watershed protection. The NGO were appraised the environmental initiative that Sampoerna have conducted. The university worked with the Sampoerna on the project of the local ecosystem protection, Third party workers from internal stakeholders stated that they are awareness with colleagues and water conservation efforts.

All of these showed that the Sampoerna were leading the water stewardship in the local area.

Stakeholder name	Stakeholder type	Summary
SUN	NGO	The Company have done great contribution on the conservation such as tree planting, WASH program, program for access to clean water, and household waste disposal program. There is no negative impacts
Indonesia Independent WATCH	NGO	The Company have done great contribution such as tree planting, WASH program, and hydroponic. There is no negative impacts
Singaperbangsa university	academics	The university worked with the Sampoerna on the project of the local ecosystem protection
Satgas Citarum Harum Sektor 16	government agency	The Sampoerna have done great contribution on the conservation of the local environment and watershed, such as the replantation, engaging with the local company for watershed protection. There is no negative impacts
ISS	Contractor	Activities: Cleaning Service (Internal and External). Cooperation with ISS starts before 2020. Because there is good communication with Sampoerna, there has never been a complaint or complaint against the company.
Nalco	Contractor	Project WWTP – Monitoring water use. Regarding maintenance, checks are carried out every shift to ensure water use is carried out correctly. Leaks have never happened. There are no negative issues related to water. The water supply from KIIC never gets stuck.

Padi Hijau Buana	Contractor	<p>Activities: Water and Waste Treatment.</p> <p>There have been no major problems related to WWTP at Sampoerna Karawang</p>
Takenaka	Contractor	<p>Activities: construction of building construction, including the manufacture of toilets, as well as damage to faucets.</p> <p>There have been no major problems related to WWTP and water at Sampoerna Karawang</p>
Employee	Workers	<p>The company is already committed to AWS.</p> <p>The mechanism for submitting complaints from stakeholders has been socialized.</p> <p>So far, if there are complaints from the public, they are submitted to the External Affairs Department, and communicated back to stakeholders the results of internal discussions that have been carried out.</p> <p>The website is also equipped with contacts that can be contacted, including communication media such as Facebook and Instagram.</p>

4. Summary of Shared Water Challenges

Water-related challenges	Initiatives by related public institutions	Relevance to stakeholders	Relevance to site	Priority	Site's effort
Extreme events - flooding on KIIC (every year)	District Environmental Agency : no flooding in Karawang	daily activity disrupted	Operational disrupted It was clarified that flooding incidents in the past had nothing to do with SAMPOERNA	3	<ul style="list-style-type: none"> - increasing awareness about antilittering - increasing awareness about water - Together with SRC providing aid to the community which impacted by the flood disaster in Majalengka, Indramayu and Subang - Deployment SAR team in Karawang to support BPBD Karawang on the flood disaster and provide aid to the community such as hygiene equipment, mineral water, tarpaulin and blanket
Water Risk : Water Depletion (low to medium), Water stress (medium - high) based on WRI data (Aqueduct)	District Environmental Agency : Withdrawal limitation and permit	Low availability of water	Projected drawdown water level	3	<ul style="list-style-type: none"> -Trees & vetiver planting DAS Citarum Sektor 16 Karawang -Trees planting in Purwakarta -Hydroponics in Karawang -Ground-water access in Karawang -Baseline data research by Brawijaya University covering Citarum Sub catchment - Coordination with KIIC as the responsible parties for water source - Implement rainwater harvesting - Water recycling from WWTP
Littering : Waste contaminating the surface rivers	District Environmental Agency : Citarum Harum Program	Need for clean river as one of important water resources	Opportunity to join effort for awareness raising campaign on preventing littering the rivers	3	<ul style="list-style-type: none"> - National Trash Day - anti-littering campaign internally - Baseline data research for Citarum sub-watershed upstream - Public awareness project about anti-littering cigarette project

Water-related challenges	Initiatives by related public institutions	Relevance to stakeholders	Relevance to site	Priority	Site's effort
High risk on unimproved/no drinking water	National Midterm Planning 2020-2024 : The availability of a sustainable drinking water and sanitation service system	Need WASH implementation	Support government to implement 100% good WASH implementation	3	<ul style="list-style-type: none"> - Ground-water access improvement in Karawang - Implementation WASH Program in Karawang, Cirebon, Majalengka, and Bandung
High risk on unimproved/no sanitation	National Midterm Planning 2020-2024 : Fulfilled 90% of access to proper sanitation (including 20% safe)	Need WASH implementation	Support government to implement 100% good WASH implementation	3	<ul style="list-style-type: none"> - MCK Komunal in Karawang - Hygiene education in Karawang - Ground-water access improvement in Karawang - MCK Komunal in Purwakarta - Implementation WASH Program in Karawang, Cirebon, Majalengka, and Bandung

5. Indicators Checklists

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

Criteria	Documents Reviewed
STEP 1: Gather and Understand	
<p>1.1 Define the physical scope:</p> <p>1.1.1 Map site boundaries;</p> <p>1.1.2 Water-related infrastructure, including piping network, owned or managed by the site or its parent organization</p> <p>1.1.3 Any water sources providing water to the site that are owned or managed by the site or its parent organization</p> <p>1.1.4 Water service provider (if applicable) and its ultimate water source</p> <p>1.1.5 Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies</p> <p>1.1.6 Catchment(s) that the site affect(s) and is reliant upon for water</p>	<p><input checked="" type="checkbox"/> Documentation or map of the site's boundaries</p> <p><input checked="" type="checkbox"/> Names and location of water sources</p> <p><input checked="" type="checkbox"/> Names and location of effluent discharge points</p> <p><input type="checkbox"/> Other :</p> <p>The plant provided the map of the site boundaries, which contained the water-related infrastructure and piping line.</p> <p>The plant used the water provided by industrial city. The wastewater will be treated by the onsite wastewater treatment plant, and then discharged to central plant for further treatment.</p> <p>The company has a water catchment map. Based on the water catchment area, the plant is in the Ci Subah Watershed.</p> <p>Evidences: Layout of the plant and catchment map. Piping diagram of the plant.</p>
<p>1.2 Understand relevant stakeholders:</p> <p>1.2.1 Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified</p> <p>1.2.2 Current and potential degree of influence between site and stakeholder shall be identified</p>	<p><input checked="" type="checkbox"/> List of stakeholders</p> <p><input checked="" type="checkbox"/> Water-related challenges</p> <p><input checked="" type="checkbox"/> Current and potential degree of influence</p> <p><input type="checkbox"/> Other :</p> <p>List of stakeholders was established, and their influence and interest were evaluated as well.</p> <p>The company has list of stakeholder on document "Stakeholder list".</p> <p>On document "Procedure SDES006-21 water management" it is also explained that for identifying the neighbour industry, the type of stakeholders, the stakeholders interest or concern and the stakeholders level of engagement to date..</p> <p>Evidences: Stakeholders List</p>

Criteria	Documents Reviewed
<p>1.3 Gather water-related data for the site:</p> <p>1.3.1 Existing water-related incident response plans</p> <p>1.3.2 Site water balance, including inflows, losses, storage, and outflows</p> <p>1.3.3 Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates. An indication of annual high and low variances shall be quantified for risky water-related challenge</p> <p>1.3.4 Water quality of the site's water source(s), provided waters, effluent and receiving water bodies. An indication of annual, and where appropriate, seasonal, high and low variances shall be quantified for risky water-related challenge</p> <p>1.3.5 Potential sources of pollution, including chemicals used or stored on site</p> <p>1.3.6 Mapping on-site Important Water-Related Areas, including a description of their status including Indigenous cultural values</p> <p>1.3.7 Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value</p> <p>1.3.8 Levels of access and adequacy of WASH at the site</p>	<p><input checked="" type="checkbox"/> Water-related incident response plans</p> <p><input checked="" type="checkbox"/> Site water balance (in Mm³ or m³)</p> <p><input checked="" type="checkbox"/> Water quality of the site's water source(s), provided waters, effluent and receiving water bodies, such as water test reports</p> <p><input type="checkbox"/> Other :</p> <p>The plant has established the 'SDES009-02 emergency preparedness & response plan Karawang Plant' to cope with the emergency.</p> <p>The plant has established the water balance map (Sankey diagram) which indicated the input and output of the water.</p> <p>The chemical list is established including all the use chemicals.</p> <p>The plant has assigned the qualify agent to conduct regularly testing report for the effluent, and the testing report of last 12 months were provided for review, all are compliant.</p> <p>No IWRA is identified with in the plant.</p> <p>The water-related cost, revenue of the site has been conducted.</p> <p>One observation is raised.</p> <p>The volume of discharged wastewater is estimated, and it is suggest to install meters to track the volume of final discharged wastewater (To KIIC).</p> <p>Evidences: 'SDES009-02 emergency preparedness & response plan Karawang Plant' Karawang Plant Site Water Balance(Sankey Diagram) 2020-2021 Water quality testing report</p>

Criteria	Documents Reviewed
<p>1.4 Gather data on the site's indirect water use:</p> <p>1.4.1 The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment</p> <p>1.4.2 The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified</p>	<p><input checked="" type="checkbox"/> List of primary inputs</p> <p><input checked="" type="checkbox"/> List of outsourced services</p> <p><input type="checkbox"/> Other :</p> <p>The plant has a list of all primary input including the leaf, cloves and chemicals, as well as the outsource activities list.</p> <p>Evidences: Karawang Plant Primary Input list 2020-2021</p>

Criteria	Documents Reviewed
<p>1.5 Gather water-related data for the catchment:</p> <p>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</p> <p>1.5.2 Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights</p> <p>1.5.3 The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance</p> <p>1.5.4 Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified</p> <p>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</p> <p>1.5.6 Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events</p> <p>1.5.7 The adequacy of available WASH services within the catchment</p>	<p><input checked="" type="checkbox"/> Water governance initiatives</p> <p><input checked="" type="checkbox"/> Applicable water-related legal and regulatory requirements</p> <p><input checked="" type="checkbox"/> Catchment water balance (in Mm³ or m³)</p> <p><input checked="" type="checkbox"/> Documentation identifying Important Water-Related Areas (IWRA)</p> <p><input type="checkbox"/> Other :</p> <p>The document “Water governance” has list all catchment plan or water-related public policy for national and regional level.</p> <p>It also list all the applicable water-related laws and regulations.</p> <p>The plant has consulted with vendor to conduct a study of the catchment, including the water balance, water quality and WASH services within the catchment.</p> <p>The facility established ‘Karawang-IWRA Risk Assessment’ to list the IWRA within the catchment, and evaluated the status. IWRA included Citarum River, Jatiluhur Reservoir, Mount Rungking etc..</p> <p>The plant conducted the investigation and found that no water-related infrastructure is constructed in the catchment area.</p> <p>Evidences: Water governance BASELINE STUDY HYDROLOGICAL CONDITIONS OF WATERSHED IN THE KARAWANG PLANT AREA PT. HM. SAMPOERNA Karawang-IWRA Risk Assessment</p>

Criteria	Documents Reviewed
<p>1.6 Understand current and future shared water challenges in the catchment:</p> <p>1.6.1 Shared water challenges shall be identified and prioritized from the information gathered</p> <p>1.6.2 Initiatives to address shared water challenges</p>	<p><input checked="" type="checkbox"/> List of shared water challenges</p> <p><input type="checkbox"/> Other :</p> <p>The water challenges were listed and prioritized, based on the stakeholder's feedback and internal assessment, such as extreme event, WASH of the local.</p> <p>Evidences: Karawang-AWS Shared Water Challenge 2020- 2021</p>
<p>1.7 Understand the site's water risks and opportunities:</p> <p>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</p> <p>1.7.2 Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities</p>	<p><input checked="" type="checkbox"/> List of water risks facing the site</p> <p><input checked="" type="checkbox"/> List of water-related opportunities</p> <p><input type="checkbox"/> Other :</p> <p>The water risks and opportunities were identified and evaluated.</p> <p>Evidences: List of water risks and opportunities.</p>
<p>1.8 Understand best practice towards achieving AWS outcomes:</p> <p>1.8.1 Relevant catchment best practice for water governance</p> <p>1.8.2 Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use)</p> <p>1.8.3 Relevant sector and/or catchment best practice for water quality, including rationale for data source</p> <p>1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas</p> <p>1.8.5 Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services</p>	<p><input checked="" type="checkbox"/> Relevant catchment best practices</p> <p><input type="checkbox"/> Other :</p> <p>The plant has identified relevant catchment best practice for water governance, water balance, water quality, IWRA and WASH.</p> <p>Evidences: Best practices list.</p>
STEP 2: Commit	

Criteria	Documents Reviewed
<p>2.1 Commit to water stewardship:</p> <p>2.1.1 A signed and publicly disclosed site statement OR organizational document</p>	<p><input checked="" type="checkbox"/> Statement</p> <p><input type="checkbox"/> Other :</p> <p>Water stewardship commitment (in English): This statement was prepared covering all the requirements of clause 2.1.1 of standards. It is signed by the Head of Manufacturing West (Mr. Kurnia Adhi Sulistyawan).</p> <p>The Water stewardship commitment has socialization to all employee through the SHARP application</p> <p>Evidences: Water Stewardship Commitment</p>
<p>2.2 Develop and document a process to achieve and maintain legal and regulatory compliance:</p> <p>2.2.1 The system to maintain compliance obligations for water and wastewater management shall be identified</p>	<p><input checked="" type="checkbox"/> Documented description of system</p> <p><input type="checkbox"/> Other :</p> <p>The company has mechanism for maintaining legal compliance. Based on the documentation review “The SPCR007 QEHS Legal and Other Requirements” demonstrated the written statement of the legal compliance system and assigned the responsible person</p> <p>The process of identifying compliance with regulations is carried out every month.</p> <p>Flow Evaluation Compliance is established.</p> <p>Evidences: The SPCR007 QEHS Legal and Other Requirements Flow Evaluation Compliance</p>

Criteria	Documents Reviewed
<p>2.3 Create a water stewardship strategy and plan:</p> <p>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</p> <p>2.3.2 A water stewardship plan shall be identified</p>	<p><input checked="" type="checkbox"/> Water stewardship strategy</p> <p><input checked="" type="checkbox"/> Water stewardship Plan</p> <p><input type="checkbox"/> Other :</p> <p>The company has A water stewardship strategy be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with AWS Standard. This is stated in document of water stewardship policy.</p> <p>The company has A water stewardship plan 2021. Each target covering all the requirements of indicator 2.3.2 of standard. For example, daily update water usage.</p> <p>Evidences: Water Stewardship Plan 2020-2021</p>
<p>2.4 Demonstrate the site's responsiveness and resilience to respond to water risks:</p> <p>2.4.1 A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies</p>	<p><input checked="" type="checkbox"/> Water risk mitigation plan</p> <p><input type="checkbox"/> Other :</p> <p>The water risks and opportunities were identified and evaluated developed with relevant public-sector and infrastructure agencies.</p> <p>Evidences: List of water risks and opportunities.</p>
STEP 3: Implement	
<p>3.1 Implement plan to participate positively in catchment governance:</p> <p>3.1.1 Evidence that the site has supported good catchment governance</p> <p>3.1.2 Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.1</p>	<p><input checked="" type="checkbox"/> Good catchment governance evidence</p> <p><input checked="" type="checkbox"/> Identified measures</p> <p><input type="checkbox"/> Other :</p> <p>The site has developed Water Conservation and preservation program for community, and worked with the local government the enhanced the water governance in the local area</p> <p>Evidences: Water Conservation and preservation program for community.</p>

Criteria	Documents Reviewed
<p>3.2 Implement system to comply with water-related legal and regulatory requirements:</p> <p>3.2.1 A process to verify full legal and regulatory compliance</p> <p>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</p>	<p><input checked="" type="checkbox"/> Legal and regulatory compliance verification process</p> <p><input checked="" type="checkbox"/> Identified measures (if applicable)</p> <p><input type="checkbox"/> Other :</p> <p>The government pay visit to the plant and issue the report to describe the compliance and management status of the plant. The plant obtain the evaluation report from the government.</p> <p>Evidences: Government evaluation report</p>
<p>3.3 Implement plan to achieve site water balance targets:</p> <p>3.3.1 Status of progress towards meeting water balance targets set in the water stewardship plan</p> <p>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</p> <p>3.3.3 Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs</p>	<p><input checked="" type="checkbox"/> Status of progress</p> <p><input checked="" type="checkbox"/> Water use efficiency annual target (if applicable)</p> <p><input type="checkbox"/> Legally-binding documentation (if applicable)</p> <p><input type="checkbox"/> Other :</p> <p>The plant set the target to reduce 2.7 m3/Mio cig water use for per unit product in 2021, based on the progress report, the actual reduction is about 2.6 m3/Mio cig until September 2021.</p> <p>Evidences: Water consumption report and plan.</p>
<p>3.4 Maintain or improve site water quality:</p> <p>3.4.1 Status of progress towards meeting water quality targets set in the water stewardship plan</p> <p>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</p>	<p><input checked="" type="checkbox"/> Status of progress</p> <p><input checked="" type="checkbox"/> Site's effluent best practice (if applicable)</p> <p><input type="checkbox"/> Other :</p> <p>Based on the testing report of the underground water year 2021, it show that the water quality maintain compared with last year and still below threshold.</p> <p>One observation is raised.</p> <p>Make sure point of coordinate is correct in the document testing result (waste water).</p> <p>Evidences: Water testing report.</p>

Criteria	Documents Reviewed
<p>3.5 Implement plan to maintain or improve the site's and/or catchments IWRA's:</p> <p>3.5.1 Practices set in the water stewardship plan to maintain and/or enhance the site's IWRA's shall be implemented</p>	<p><input checked="" type="checkbox"/> Practices set in the water stewardship plan</p> <p><input type="checkbox"/> Other :</p> <p>The plan conduct the risk assessment and engagement with the government, the status of the IWRA may maintain stable in the future 3 years.</p> <p>Evidences: IWRA Risk Analysis</p>
<p>3.6 Implement plan to provide access to WASH:</p> <p>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</p> <p>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</p>	<p><input checked="" type="checkbox"/> Evidence of site's provisions of WASH</p> <p><input type="checkbox"/> Evidence of site operations not affecting water rights of surrounding environment</p> <p><input type="checkbox"/> Other :</p> <p>The site purchased the barrelled water for drinking water. The site has provided sufficient sanitation facility in the workshop, and conducted the regular cleaning to ensure the hygiene of the site.</p> <p>Evidences: Drinking water testing report. WASH assessment. WBCSD self-assessment tool</p>
<p>3.7 Implement plan to maintain or improve indirect water use within the catchment:</p> <p>3.7.1 List of suppliers and service providers, along with the actions they have taken as a result of the site's engagement relating to indirect water use</p> <p>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</p>	<p><input checked="" type="checkbox"/> List of suppliers and service providers</p> <p><input checked="" type="checkbox"/> Evidence of engagement with suppliers and service providers</p> <p><input type="checkbox"/> Other :</p> <p>The plant launched the project aiming to trace the water consumption of the leaf and clove suppliers, also help to capacity building and raise the awareness of the water.</p> <p>For outsource supplier, the plant started to track the water consumption of them.</p> <p>Evidences: Karawang Plant Primary Input List 2021 Primary Input questionnaire to DIM vendor Karawang Plant Indirect water user/Outsourced services list</p>

Criteria	Documents Reviewed
<p>3.8 Notify the owners of shared water-related infrastructure of any concerns:</p> <p>4.8.1 Evidence of engagement, and the key messages relayed with confirmation of receipt</p>	<p><input checked="" type="checkbox"/> Evidence of engagement</p> <p><input type="checkbox"/> Other :</p> <p>The site has reported the water management plan and concerns to the zone management authority</p> <p>Evidences: Engagement with Stakeholders</p>
<p>3.9 Implement actions to achieve best practice towards AWS outcomes:</p> <p>3.9.1 Actions towards achieving best practice, related to water governance</p> <p>3.9.2 Actions towards achieving best practice, related to targets in terms of water balance</p> <p>3.9.3 Actions towards achieving best practice, related to targets in terms of water quality</p> <p>3.9.4 Actions towards achieving best practice, related to targets in terms of the site's maintenance of IWRAs</p> <p>3.9.5 Actions towards achieving best practice, related to targets in terms of WASH</p>	<p><input checked="" type="checkbox"/> Actions related to water governance</p> <p><input checked="" type="checkbox"/> Actions related to water balance</p> <p><input checked="" type="checkbox"/> Actions related to water quality</p> <p><input checked="" type="checkbox"/> Actions related to IWRAs</p> <p><input checked="" type="checkbox"/> Actions related to WASH</p> <p><input type="checkbox"/> Other :</p> <p>The plant has established a tracking form to track the progress of the implementation of the best progress.</p> <p>Evidences: Implementation Best Practice 2021</p>
STEP 4: Evaluate	

Criteria	Documents Reviewed
<p>4.1 Evaluate the site's performance:</p> <p>4.1.1 Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated</p> <p>4.1.2 Value creation resulting from the water stewardship plan shall be evaluated</p> <p>4.1.3 The shared value benefits in the catchment shall be identified and where applicable, quantified</p>	<p><input checked="" type="checkbox"/> Performance against targets</p> <p><input checked="" type="checkbox"/> Value creation</p> <p><input type="checkbox"/> The shared value benefits (if applicable)</p> <p><input type="checkbox"/> Other :</p> <p>The company has a management review document that is conducted every month. In the management review, topics related to campaign planning, AWS strategy and action plans, water performance, etc.. were discussed. In the management review, it also discusses the long-term AWS plan. In the plan there is information about challenges / risks, goals, actions, benefits</p> <p>One observation is raised.</p> <p>Select the most relevant performance indicators in the evaluation sheet, for example, input the number of beneficiaries of local WASH project.</p> <p>Evidences:</p> <p>Performance review meeting minutes.</p> <p>Project tracking sheet.</p>

Criteria	Documents Reviewed
<p>4.2 Evaluate the impacts of water-related emergency incidents:</p> <p>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</p>	<p><input checked="" type="checkbox"/> A written annual review and root-cause analysis</p> <p><input type="checkbox"/> Other :</p> <p>Once emergency report occurs, the company immediately conducts emergency response reporting and evaluation. During the past year there was no emergency response related to water.</p> <p>All events are recorded in the application ehsspms.app.pmi/, who can access this application is the EHS staff.</p> <p>Every time an emergency response occurs, it is also discussed in EHS meeting.</p> <p>The company has accident reporting and emergency response procedures.</p> <p>Evidences: Emergency respond plan.</p>
<p>4.3 Evaluate the stakeholders' consultation feedback:</p> <p>4.3.1 Consultation efforts with stakeholders on the site's water stewardship performance shall be identified</p>	<p><input checked="" type="checkbox"/> Stakeholder feedback</p> <p><input type="checkbox"/> Other :</p> <p>The plant has an external engaging team, and the team is responsible for stakeholder's communication.</p> <p>The team will collect the feedback from stakeholder and communicate with the relevant departments.</p> <p>The evaluation of the stakeholder are provided for review.</p> <p>Evidences: Response letters from various stakeholder.</p>

Criteria	Documents Reviewed
<p>4.4 Evaluate and updated the site's water stewardship plan:</p> <p>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</p>	<p><input checked="" type="checkbox"/> Modification of water stewardship plan</p> <p><input type="checkbox"/> Other :</p> <p>It's the first year that the site implemented the AWS standard, therefore the stewardship plan will be updated in next year.</p> <p>The site has established Strategy & Plan Document Evaluation, Review and Update process.</p> <p>Evidences:</p> <p>The site has established Strategy & Plan Document Evaluation, Review and Update process.</p>
STEP 5: Communication and Disclosure	
<p>5.1 Disclose water-related internal governance of the site's management:</p> <p>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</p>	<p><input checked="" type="checkbox"/> Summary of governance</p> <p><input type="checkbox"/> Other :</p> <p>The company has an organizational structure "<i>Water Internal Governance</i>" available to the public.</p> <p>Evidences:</p> <p>Water Internal Governance Chart</p>
<p>5.2 Communicate the water stewardship plan with relevant stakeholders:</p> <p>5.2.1 The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders</p>	<p><input checked="" type="checkbox"/> Documented evidence of communicating</p> <p><input type="checkbox"/> Other :</p> <p>The plant has conducted the AWS workshop, and shared the water stewardship plan which included water stewardship plan, annual performance and shared water challenge on the workshop.</p> <p>Evidences:</p> <p>Water stewardship report</p> <p>Stakeholder workshop record</p>

Criteria	Documents Reviewed
<p>5.3 Disclose annual site water stewardship summary:</p> <p>5.3.1 A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum</p>	<p><input checked="" type="checkbox"/> Water stewardship performance summary</p> <p><input type="checkbox"/> Other :</p> <p>The plant has conducted the AWS workshop, and shared the water stewardship plan which included water stewardship plan, annual performance and shared water challenge on the workshop.</p> <p>Evidences: Water stewardship report Stakeholder workshop record</p>
<p>5.4 Disclose efforts to collectively address shared water challenges:</p> <p>5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be disclosed</p> <p>5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified</p>	<p><input checked="" type="checkbox"/> Disclosure evidence</p> <p><input type="checkbox"/> Other :</p> <p>The plant has conducted the AWS workshop, and shared the water stewardship plan which included water stewardship plan, annual performance and shared water challenge on the workshop.</p> <p>Evidences: Water stewardship report Stakeholder workshop record</p>
<p>5.5 Communicate transparency in water-related compliance:</p> <p>5.5.1 Any site water-related compliance violations and associated corrections shall be disclosed</p> <p>5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable</p> <p>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</p>	<p><input checked="" type="checkbox"/> List of water-related compliance violations with corresponding corrective actions</p> <p><input type="checkbox"/> Other :</p> <p>The company has a list of legal compliance. Some compliance of regulation, example: Water permit.</p> <p>One observation is raised.</p> <p>It is suggested to disclose the testing result of the wastewater, as well as environmental compliance status (Result of PROPER report) in the Stakeholders' AWS report even though no violation happened.</p> <p>Evidences: Water stewardship report</p>

Assessment Non-conformities:

1. Findings of the audit.

Nil non-conformity was identified during the audit.

Four observations were raised.

No	Process/Dept.	Issue
1	1.3.5	The volume of discharged wastewater is estimated, and it is suggested to install meters to track the volume of final discharged wastewater (To KIIC).
2	3.4.1	Make sure coordinate of sample point is correct in the document testing result (waste water).
3	4.1.1	Select the most relevant performance indicators in the evaluation sheet, for example, input the number of beneficiaries of local WASH project.
4	5.5.1	It is suggested to disclose the testing result of the wastewater, as well as environmental compliance status (Result of PROPER report) in the Stakeholders' AWS report even though no violation happened.

6. Summary and Conclusion of the Assessment

In assessment of the water stewardship performance of the PT. HM Sampoerna, Tbk. – Karawang Plant, it is apparent that the sites put considerable effort to adopt the AWS standard into the management system.

Nil conformity was raised, therefore, no improvement or action is required to address the Non-conformity to fully compliant to the standard.

Four observations were issued during this audit. Auditors pointed out the areas that to be considered for improvement in the following implementation, however, no action is demanded during the audit cycle.

In conclusion, the PT. HM Sampoerna, Tbk. – Karawang Plant met the AWS standard Version 2.0-Core Level.