

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-001650

SITE DETAILS

Site: **PMFTC Inc., Marikina Plant**

Address: Plant C&D Champaca St. Brgy. Fortune, Marikina, Metro Manila, 1809, Marikina, PHILIPPINES

Contact Person: Michelle Torres

AWS Reference Number: AWS-000496

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Core

Date of certification decision: 2026-Jan-27

Validity of certificate: 2029-Jan-26

AUDIT DETAILS

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

Audit Type(s): Re-Certification Audit

Audit Start Date: 2025-Sep-30

Audit End Date: 2025-Oct-02

Lead Auditor: Elizabeth Villezar

Audit team participants:

Een Nuraeni

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Site Participants:

Manager - Business Unit,
Warehouse Operation Lead,
IFMS Engineer,
IFMS Engineer,
Process Support Engineer,
EHS Admin Assistant,
Facility Management Coordinator,
SCMS Senior Lead,
Sustainability Engineer,
Sustainability Intern,
Sustainability Engineer,
Engineering Manager,
Sustainability Manager,
Head of Production,
Legal Council Operations,
PS EHS Lead,
Factory Logistics,
PS Project Manager,
Quality Manager,
Director Manufacturing,
Open+ Manager,
E2E Project Director,

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ADDITIONAL INFO

Summary of Audit Findings: During the recertification audit, three (3) non-conformities, and five (5) observations were raised.

The Client is requested to perform a root cause analysis and define corrective actions for each of the non-conformities and to submit these to WSAS by 04 December 2025.

The non-conformities must be closed within 90 days of the end of the audit. However, because new non-conformities were added during the technical review process, the due date is extended to 23 January 2026. In order to meet this timeline evidence is to be submitted to WSAS by 09 January 2026.

The audit team recommends re-certification of PMFTC Inc., Marikina Plan at Core level pending closure of the non-conformities.

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Scope of Assessment: The scope of services encompasses the recertification audit for assessing the conformity of PMFTC, Inc. - Marikina to the AWS International Water Stewardship Standard, Version 2.

PMFTC Inc. is an agriculture and consumer products company driving transformation across the Philippine tobacco industry. It is an affiliate of Philip Morris International (PMI) and a subsidiary of LT Group, Inc. (LTG).

The site is located at Plants C&D, Champaca Street, Barangay Fortune, Marikina City, Philippines (14°39'40.5"N 121°07'47.3" E). Marikina is part of the Eastern Manila District in Metro Manila, Philippines. The facility is conveniently located near local landmarks such as the Champaca Homeowners Hall and the Fortune Barangay Hall. Marikina has a tropical monsoon climate with a year-round hot and humid environment, a mean annual temperature of around 26.1 °C (79.0 °F), and a short dry season from roughly November to April. The wet season, with its heaviest rainfall in July (474mm on average), runs from May to October, while February (average of 27mm precipitation) is the driest month. Temperatures rarely go below 18 °C (64 °F) or above 38 °C (100 °F). The average annual precipitation is around 2,412mm.

As of the time of the audit, the site employs a total of 138 personnel and operates in a 24-hour DIET (dry ice expanded tobacco) and Flaker production from 0600-1400/ 1400-2200/ 2200-0600, while the office working hours run from 0800-1700 Mondays to Fridays.

The site operates several water-related facilities beginning from the supplier's water meter, which is connected to the site's cistern tank located in an elevated area. The cistern tank supplies water to the Million-Gallon Tank situated in the same area, which serves as the main potable water storage and is typically filled up to 3,785 cubic meters.

From this storage tank, water is distributed to several storage tanks through two raw water pumps for various uses, including the water treatment process. The treatment system consists of two activated carbon filtration units connected to two water softening tanks, with the treated water stored in four soft water tanks, each having a capacity of 75 cubic meters. The soft water tanks supply the production area through a CPS line passing through UV sterilizers—one dedicated to the DIET line and another to the Flaker line. Additionally, the pump house provides water to the boiler and cooling tower systems, respectively.

The site's wastewater treatment plant (WWTP) system begins with influent consisting of domestic and industrial wastewater collected in a Collection Tank. This is transferred to an Equalization Tank, which helps balance flow and load before treatment in the Main Aeration Tank, equipped with blowers for biological processing. The mixture then flows into a Settling Tank, where activated sludge is separated and partially returned to the aeration tank to maintain microbial activity.

Waste sludge is collected and transferred to drying beds for dewatering and subsequent disposal, while the liquid effluent undergoes a rapid sand filtration process. The recovered water is then collected in a wet scrubber tank connected to the DIET area.

The audit was conducted onsite from 30 September 2025 to 02 October 2025.

The onsite visit included the assessment of the incoming water supply, water collection and storage tanks, water treatment facilities, the wastewater treatment plant, the associated piping systems, and the discharge points, as part of the audit, including the discharge pipe connected to the Nangka River.

FINDINGS

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Audit Number: AO-001650

NUMBER OF FINDINGS PER LEVEL

Observation	2
Observation	3
Non-Conformity	3

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FINDING DETAILS

Finding No:	TNR-021144
Checklist Item No:	1.2.1
Status:	Open
Finding level:	Observation
Checklist item:	Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall: <ul style="list-style-type: none">- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;- Provide evidence of stakeholder consultation on water-related interests and challenges;- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;- Identify the degree of stakeholder engagement based on their level of interest and influence.
Findings:	Although there are no minority groups within the Marikina Catchment area and nearby municipalities, the site may consider broadening its scope to include representatives from the ultimate water source and ultimate water discharge areas, particularly those belonging to vulnerable and minority groups.
Finding No:	TNR-022031
Checklist Item No:	1.3.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-23
Checklist item:	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped
Findings:	The 2024 and 2025 water balance documents do not reflect the zero discharge from the Wastewater Treatment Facility.
Corrective action:	<ol style="list-style-type: none">1. Issue standard categorization guidelines and conduct refresher training for reporting personnel.2. Update the 2024 and 2025 water balance documents to reflect zero discharge from the Wastewater Treatment Facility.
Evidence of implementation:	Evidence attached

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Finding No:	TNR-022817
Checklist Item No:	1.3.2
Status:	Open
Finding level:	Observation
Checklist item:	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped
Findings:	Site claims to not discharge any treated effluent but recycling of all treated effluent has not been clearly explained. This must be reviewed in SV1 audit.
Finding No:	TNR-021958
Checklist Item No:	1.3.3
Status:	Closed
Finding level:	Non-Conformity
Due date:	2026-Jan-23
Checklist item:	Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.
Findings:	The Water Balance data is not aligned with the supporting evidence provided. Specifically: - The reported zero discharge from the wastewater treatment plant cannot be traced, as the data does not show where treated effluent was routed or the volumes used in the areas claimed. - In the 2025 Sankey Water Balance, the inflow to the Effluent Water Tank includes rainwater, which is under the water-in.
Corrective action:	1. Issue standard categorization guidelines and conduct refresher training for reporting personnel. 2. Update the 2024 and 2025 water balance documents to reflect zero discharge from the Wastewater Treatment Facility. 2.1 Update the 2025 document or system entry to accurately reflect the correct inflow source. 2.2 Communicate the correction to all stakeholders (operations, maintenance teams)
Evidence of implementation:	Files were attached.

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Finding No: TNR-022816
Checklist Item No: 1.3.3
Status: Open
Finding level: Observation
Checklist item: Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.
Findings: Site claims to not discharge any treated effluent but recycling of all treated effluent has not been clearly explained. This must be reviewed in SV1 audit.

Finding No: TNR-021709
Checklist Item No: 1.6.1
Status: Closed
Finding level: Non-Conformity
Due date: 2026-Jan-23
Checklist item: Shared water challenges shall be identified and prioritized from the information gathered.
Findings: The data presented in Indicator 1.2.1 show inconsistencies when compared with the reported information for this indicator, resulting in a weak linkage between the prioritization of shared water challenges and the earlier collected information.
Corrective action: Conduct a thorough review and reconciliation of the data sources used for Indicator 1.2.1 to ensure consistency with the reported information. Establish a standardized data validation process that includes:

Cross-verification of prioritization criteria against previously collected information.
Update documentation to reflect corrected linkages and maintain traceability for future reporting cycles.

Finding No: TNR-021955
Checklist Item No: 3.4.1
Status: Open
Finding level: Observation
Checklist item: Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.
Findings: While cleanup and collection of trash from the river can improve water quality, a measurable target linked to water quality can be considered.

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Finding No: TNR-021449
Checklist Item No: 4.3.1
Status: Open
Finding level: Observation
Checklist item: Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.
Findings: While the site has engaged with relevant stakeholders, this effort can be further strengthened by gathering their feedback on the site's water stewardship performance to help shape future collective actions.

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Report Details

Report	Value
Report prepared by	Elizabeth Villezar
Report approved by	Rizwan Masood
Report approved on (Date)	24 November 2025

Surveillance

Proposed date for next audit
2026-Oct-01

Comment The site is eligible for the next scheduled audit - Surveillance 1

Stakeholder Announcements

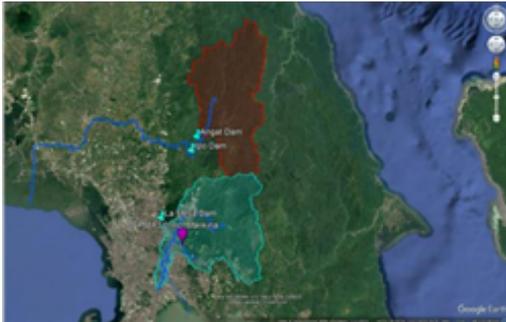
Date of publication	Location
10/07/2025	Manila Bulletin
13/06/2025	https://a4ws.org/aws-standard/aws-standard-certification/stakeholder-announcements/
03/07/2025	https://www.facebook.com/InsidePMFTC/photos/public-stakeholder-announcementpmftc-inc-is-seeking-re-certification-of-its-bata/456986077040813/
Comment	The Public Stakeholder Announcement was published on 10 July 2025 in the local newspaper, Manila Bulletin, and on social media - Facebook, in addition to the websites of AWS and WSAS.
Comment	At least three stakeholder representatives were interviewed during the audit—two remotely (via phone calls with representatives from the regulatory bodies) and one in person. Remote interviews were chosen due to distance and traffic conditions.

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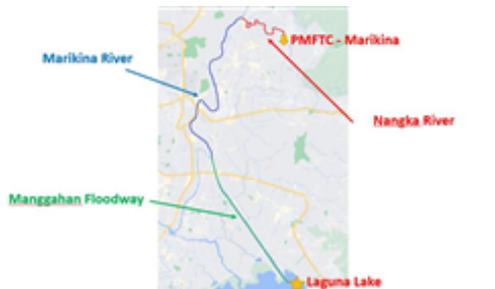
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Catchment Information



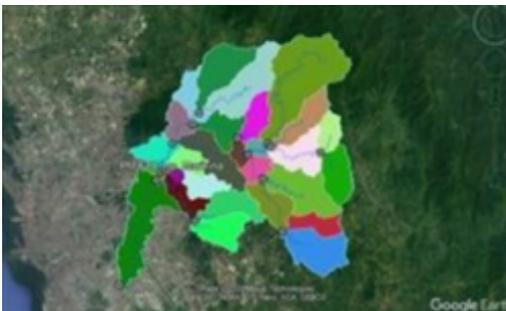
1.1.1 Physical Scope.jpg



1.1.1 D 2025 Discharge Point Map of PMFTC Marikina and ultimate receiving water bodies2.jpg



1.1.1 D 2025 Discharge Point Map of PMFTC Marikina and ultimate receiving water bodies.jpg



1.1.1 Physical Scope Catchment.jpg

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1.1.1 Physical Scope Catchment 2.jpg



1.1.1 C Manila Water sourcing points_PMFTC Marikina.jpg

Catchment Information

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Catchment's name: Angat Watershed (ultimate water source)

The site is located within the Angat Watershed, with the Angat Dam as its primary water source. The dam is approximately 65.6 km away, which is about a 2-hour and 37-minute drive. This watershed supplies water to Manila Water, the site's water provider. Water from Angat Dam flows through Ipo Dam and La Mesa Dam, then undergoes treatment at the Balara Treatment Plants. After potability testing, it is distributed to customers in Marikina.

Angat Dam supplies 97% of Mega Manila's water, including the site. Of this, 60% goes to the La Mesa Treatment Plants, while the remaining 40% is delivered 6.8 km downstream to the Balara Treatment Plant. Manila Water continues to meet the domestic demand in the Marikina River Basin despite its growing customer base; even the 1,600 MLD allocation from Angat has remained unchanged since 1997. Manila Water relies heavily on surface water, accounting for 87%, with only around 12% drawn from underground sources, ensuring the sustainability of the aquifers.

Manila Water serves an area of 1,400 square kilometres, covering 23 cities and municipalities, including Marikina, San Juan, Mandaluyong, Makati, Pasig, Pateros, Taguig, and portions of Quezon City. It provides water to over 7 million customers, with a total production capacity of 1,900 million litres per day (MLD). Its responsibilities include water supply, sewerage management, customer service, and payment of concession fees.

Catchment's name: Marikina Watershed (discharge point)

The site's ultimate water discharge point is Laguna Lake. There are at least three discharge points, release water into the nearby Nangka River. Rainwater, when collected in storm drains, flows into a creek connected to the Nangka River, which in turn drains into the Marikina River. From there, it passes through the Manggahan Floodway and eventually empties into Laguna Lake.

According to the Angat River Basin Hydrologic Modelling Study for PMFTC Marikina Corporate Water Strategy, the Angat River Basin covers 54,643.6 hectares (546.43 sq km) with 17 subbasins in the municipalities of Dona Remedios and Norzagaray, Bulacan. The Angat River flows from the Sierra Madre Mountains to Manila Bay and has three dams: Angat, Ipo, and Bustos. The Upper Angat River Basin ranges in elevation from 163 m to 1,255 m above sea level, and the river runs 46 km from upstream to the Angat Dam.

In the Upper Angat River Basin, 68% of the soils are dystric nitosols, with the downstream area containing 39% sand and 46% clay. The upstream area consists of 32% orthic luvisols, predominantly sandy with 76% sand content.

About 91% of the Upper Angat River Basin area draining to the dam is covered by mixed forest, while range grasslands and brushlands are located along the riverbanks. The groundwater of the Angat River Basin is recharged through precipitation.

As of the time of the study (2024), there are at least 626 water permits granted by the National Water Resources Board (NWRB) in Bulacan province for both surface and groundwater. There are no water permits within the Upper Angat River Basin, as the area has a very low population; hence, groundwater use is minimal.

Water Shortage (Sustainability of Groundwater Resource)

Domestic and agricultural sectors show low groundwater usage, and overall, the groundwater supply in the Upper Angat River Basin is dependable, sustainable, and reliable.

Water Shortage (Sustainability of Surface Water Supply)

Domestic and agricultural sectors have high water usage, and overall, the surface water supply is no longer dependable, with total water demand at 121% (present) and at 166% projected total water demand by 2050.

Water Shortage (Reliability of Surface Water Resource)

Domestic and agricultural sectors have high water demand, and overall, the surface water supply from Angat is no longer reliable, with projected water demand at 99.5m³/s equivalent to 188% water utilization by 2050.

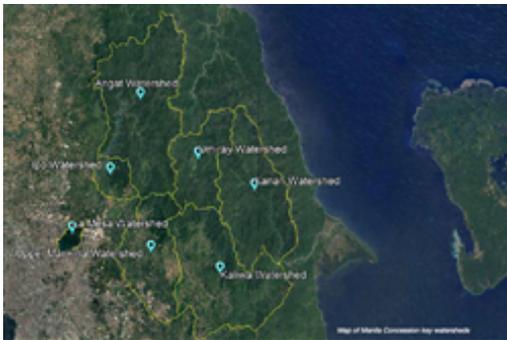
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Angat Watershed.jpg



Angat Watershed & Marikina Watershed.png



Angat River Basin and Marikina River Basin.png

Comment There are no significant changes with the Angat Watershed that include the Marikina Watershed, where the site is specifically located.

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Client Description and Site Details



1.1.1 A 2025 Site Boundaries Identification_PMFTC Marikina.jpg



1.1.1 Physical Scope with WRI.jpg

Client/Site Background

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WSAS

WATER
STEWARDSHIP
ASSURANCE
SERVICES

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The site is located at Plants C&D, Champaca Street, Barangay Fortune, Marikina City, Philippines. As of the time of the audit, the site employs a total of 138 personnel and operates in a 24-hour DIET (dry ice expanded tobacco) and Flaker production from 0600-1400/ 1400-2200/ 2200-0600, while the office working hours run from 0800-1700 Mondays to Fridays.

Currently, the site is exporting its semi-finished products to several countries, including Pakistan, Bangladesh, Vietnam, Indonesia, Korea, India, Taiwan, Malaysia, and the EU. The site has the following facilities:

- Wastewater Treatment Plant (air blowers, wet scrubber tank, main aeration tank with aerators, scrubber pump, treated water tank with submersible pump, settling tank with submersible pump, drying bed)
- Old Primary C (Warehouse C)
- Central Office C (Logistic C)
- S.A. Chiller C
- Old Secondary C
- Security
- Fire Pump
- Water Treatment Plant (cistern tank, one-million-gallon tank, fire pumps, activated carbon filter, softener, rain water collection & backwash collection, pond for watering plants & fish pond, soft water tank, water pumps for distribution)
- Power Tank Farm (unoperational)
- Canteen (with several solar panels in its roofing)
- Old Secondary D
- Central Office D
- Pond
- Cooling Towers
- S.A. Chiller D
- Central Workshop
- Boilers (water tanks, water softeners, MIURA boilers)
- Chillers (chilled water pumps, air handling units, condenser pumps)
- Air Compressors
- Boiler Tank Farm
- Basketball Court
- LBW C
- Septic tanks (6 units for industrial wastewater and 15 units for domestic wastewater)

Water-related Infrastructures

The site operates several water-related facilities beginning from the supplier's water meter, which is connected to the site's cistern tank located in an elevated area. The cistern tank supplies water to the Million-Gallon Tank situated in the same area, which serves as the main potable water storage and is typically filled up to 3,785 cubic meters.

From this storage tank, water is distributed to several storage tanks through two raw water pumps for various uses, including the water treatment process. The treatment system consists of two activated carbon filtration units connected to two water softening tanks, with the treated water stored in four soft water tanks, each having a capacity of 75 cubic meters. The soft water tanks supply the production area through a CPS line passing through UV sterilizers—one dedicated to the DIET line and another to the Flaker line. Additionally, the pump house provides water to the boiler and cooling tower systems, respectively.

The site's wastewater treatment plant (WWTP) system begins with influent consisting of domestic and industrial wastewater collected in a Collection Tank. This is transferred to an Equalization Tank, which helps balance flow and load before treatment in the Main Aeration Tank, equipped with blowers for biological processing. The mixture then flows into a Settling Tank, where activated sludge is separated and partially returned to the aeration tank to maintain microbial activity.

Waste sludge is collected and transferred to drying beds for dewatering and subsequent

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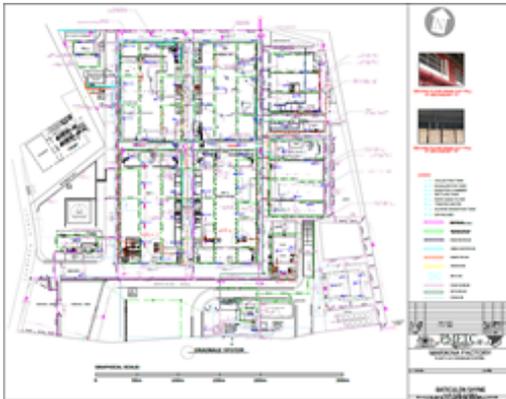
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disposal, while the liquid effluent undergoes a rapid sand filtration process. The recovered water is then collected in a wet scrubber holding tank connected to the DIET area. The two drains ultimately discharge into the Laguna Lake, following this path: storm drains → creek → Nangka River → Marikina River → Manggahan Floodway → Laguna Lake.



1.1.1 C.png



1.1.1 B.png

Comment The significant changes noted are related to Leadership, as of the time of the audit, a new Manufacturing Director has been installed since 01 July 2025. Movement within the Top Management was likewise noted, including the decrease in headcount from 151 during Surveillance 2 to 148 as of this audit.

Summary of Shared Water Challenges

Summary of Shared Water Challenges

Based on the engagement with the relevant stakeholders, the site identifies the following shared water-related challenges:

- flood occurrence
- water depletion & drought occurrence

Comment The site identifies shared water-related challenges by engaging relevant stakeholders, defined based on its physical scope: those affecting the site, those the site impacts or is perceived to impact, those with shared interests, and those remaining neutral. However, not all listed have engagement with the site.

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0.0.1 Water Source & Discharge Locations

0.01 *Have any water source or discharge locations been visited during the audit, if so, which and where? If none were visited, please provide justification.* 
Yes

Comment: During the first day of the audit, the team visited the discharge point at Nangka River as part of the Catchment Tour. It is situated near the riverbank, where the team observed the area. The rain had temporarily stopped, allowing the Audit Team and site representatives to move closer to the riverbank.

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1 STEP 1: GATHER AND UNDERSTAND

1.1 *Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.*

1.1.1 *The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:*

- Site boundaries;
- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;
- Any water sources providing water to the site that are owned or managed by the site or its parent organization;
- Water service provider (if applicable) and its ultimate water source;
- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;
- Catchment(s) that the site affect(s) and is reliant upon for water.


Yes

Comment The following documents were presented and validated during the audit.

- 1.1.1 A 2025 Site Boundaries Identification_PMFTC Marikina
- 1.1.1 a PMFTC - Marikina Water-related Infrastructure
- 1.1.1 B Marikina Factory Plant C & D Drainage System
- 1.1.1 B Water-related Infrastructure map PMFTC Marikina describes the water-related infrastructure within the site, such as the Wastewater Treatment Plant with zero discharge capability, Septic Tanks (six units for the Industrial Wastewater and 15 units for the Domestic Wastewater Septic Tanks), Water Treatment Plant, WASH areas within the facilities, Canteen, Chillers, Boilers, and DIET. A document was likewise shared for the calibration monitoring of the water meters used and other water-related measuring equipment, ensuring that the site is maintaining a reliable measurement and monitoring result.
- 1.1.1 C Manila Water sourcing points_PMFTC Marikina (it describes the source of the water (Angat Dam), the processes the water passes through before it reaches PMFTC - Marikina Plant.
- 1.1.1 D 2025 Discharge Point Map of PMFTC Marikina and ultimate receiving water bodies. The drains are connected to a creek that eventually discharges to the Nangka River, down to the Marikina River, to the Manggahan Floodway, and ultimately to the Laguna Lake.

The PMFTC Water Strategy Final Report 2025 includes maps of the Angat River Basin and the Marikina River Basin, thereby addressing the previous observation where improvement was recommended for consideration and implementation by the site.

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

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

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


Obs.

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Comment	<p>The documents '1.2.1 1.2.2 Stakeholders List with Level of Interest, Influence, and Engagement 2025,' along with the '1.6.1-1.6.2 Shared water challenges' were presented.</p> <p>The process for identifying stakeholders considers the physical scope, those who have an impact on the site, and those who may be impacted by the site's water management activities. Additionally, stakeholders with common interests, as well as those with neutral or no direct connection, are taken into account.</p> <p>Evidence of stakeholder consultation was provided through an email containing a questionnaire accessible via QR code, with responses summarized under Sections 1.6.1 and 1.6.2. It was noted, however, that not all stakeholders participated.</p> <p>The ability and/or willingness of stakeholders to participate is summarized in Columns E and F of the document 1.2.1–1.2.2, which outline the degree of stakeholder engagement. While there are no identified minority groups within the Marikina Catchment area and nearby municipalities, the site may consider broadening its engagement to include representatives from the ultimate water source and discharge points, particularly focusing on vulnerable and minority groups.</p> <p>The information on stakeholders' ability and/or willingness to participate, as presented in the document, may also be reviewed to ensure alignment with the actual responses gathered in Sections 1.6.1 and 1.6.2.</p> <p>The verification and validation of previous audit findings confirmed that corrective actions were effectively implemented, as no recurrence was observed. Nonetheless, a new observation was identified during this audit to enhance the site's continual improvement process.</p>	
1.2.2	<p><i>Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.</i></p>	 Yes
Comment	<p>The current degree of influence between the site and the stakeholders is identified in the document '1.2.1 1.2.2 Stakeholders List with Level of Interest, Influence and Engagement 2025' under columns E-F, while the potential degree of influence was described in columns (J - Level of Ability to Influence & L - Level of Ability to Be Influenced).</p> <p>The previous audit finding (observation) was validated through the submitted document, which noted consideration of the ultimate water source, such as Angat Dam, Ipo Dam, La Mesa Dam, etc.</p>	
1.3	<p><i>Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.</i></p>	
1.3.1	<p><i>Existing water-related incident response plans shall be identified.</i></p>	 Yes
Comment	<p>PH EHS 2018 Incident Management Procedure and PH EHS D 111 Emergency Preparedness & Response (part of accident placing nature, human resources, or ecosystems in danger through high levels of contamination) Section 5.1 p.7 of the first procedure and Sections B.3 & B.5 of the EPR.</p>	
1.3.2	<p><i>Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</i></p>	 closed

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Comment There are three documents provided where the site water balance is identified:

- 1.3.2 Water Balance 2024, covering the whole year of 2024, serves as historical data
- 1.3.2 Water Balance 2025 covering the period of Jan to Aug 2025, where further details can be found in 1.3.3; however, the effluent water tank with a volume of 5,032.56m³ includes rainwater (part of the water-in) equivalent to 990.30m³, which makes this water balance confusing.
- 1.3.2 Water Meter Mapping - PMFTC Marikina 2025 (44 submeters)

The uses of water include potable water used in Primary C, the DIET Workshop, Canteens 1 and 2, the WWTP, and the Central Workshop, as well as rainwater utilized in the WWTP. Water supplied by Manila Water is also used for soft water, process water, and storage tanks.

The water-out consists of effluent, blowdown, steam application to product, and miscellaneous items, such as lagoon, WTP comfort room (WC) usage, effluent water tank, and drinking water. However, the data for the effluent water tank includes an amount of 990.30m³, which is part of the water-in as rainwater.

Finding No: TNR-022031

Finding No: TNR-022817

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.*



closed

Comment The site explained that effluent consists of WWTP effluent, gardening (281.19), steam vent (7,125.25), and cooling tower evaporation (13,033.95) for Y2024, wherein the cooling tower evaporation is considered as a loss.

During the interview, the site representative explained that the consumption from January to August 2024 is 23,700 m³, compared to the consumption in the same period in 2025, which is 19,485 m³. This is due to the increase in the utilization of rainwater. Using decimal numbers consistently is important in this context, as even small rounding differences can lead to noticeable variations in the results.

The audit findings from 2023 to 2024 have been confirmed as non-recurrent. The corrective actions implemented—specifically the installation of 44 sub-meter units—were found to be effective. Additionally, the supporting documentation has been updated to reflect coverage for the years 2024 to 2025.

Finding No: TNR-021958

Finding No: TNR-022816

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.*



Yes

Audit Number: AO-001650

Comment As of 08 September 2025, the Monthly Potable Water Quality Monitoring Graph of Variances has been updated to reflect the latest data for the year 2025. This update includes key parameters essential for assessing water safety and quality, namely pH levels, total dissolved solids (TDS), chloride concentrations, and free chlorine residual. These indicators are closely monitored to ensure that potable water remains within acceptable standards and safe for consumption.

Based on the latest certification, Metro Water has been confirmed safe for drinking as of 11 June 2025. This validation is documented in MMDWQMC Regular Update No. 2025-05, affirming compliance with potable water quality standards for the specified period.

The documents titled '1.3.4 WTP & WWTP Quality Presentation 2024' and '1.3.4 WTP & WWTP Quality Presentation 2025' both include the Monthly Effluent Water Quality Monitoring Graph of Variances for 2023, 2024, and 2025. Analysis of the data confirms that all monitored parameters remained within regulatory limits for the years 2023 and 2025. However, it is noted that the phosphate level in November 2024 exceeded the acceptable threshold. In response, a corrective action was implemented, which included an Initial Problem Solving activity and a One-Point Lesson to address and prevent recurrence of the issue.

The Angat Environmental Monitoring Report, released in January 2021, was presented to support the water quality assessment of the ultimate source of water—Angat Dam. This report includes the Water Quality Results for SWB2, covering the period from July to October 2020, as documented in the Semi-Annual Environmental Monitoring Report 7.

A comparative analysis was conducted between the findings of the 2013 study and the 2020 study, highlighting changes and trends in water quality over time. This comparison provides valuable insight into the long-term condition of Angat Dam and supports ongoing efforts to ensure the safety and sustainability of the water supply.

The audit findings from 2023 and 2024 were appropriately addressed, with all corrective actions verified to remain effective at the time of the current audit. While data from Angat Dam remains limited, the site has secured supplementary information from the supplier confirming that the water distributed within Metro Manila is safe for drinking. This additional validation supports the continued assurance of potable water quality in the region.

1.3.5 *Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.* ✔
Yes

Comment The document 1.3.5 Potential Sources of Pollution_PMFTC Marikina 2025, outlines and delineates specific facility areas identified as potential contributors to water pollution. These include the Boiler, Water Treatment Plant (pre-treatment and generator set areas), Wastewater Treatment Plant, Air Handling Unit, Chilled Water System, Fuel Storage Yard, Compressor, DIET, Fire Pump, QA Laboratory, and Canteen LPG.

Each of these zones was assessed for its environmental risk profile, and detailed information was provided regarding the types of chemicals stored within them. This mapping supports proactive pollution control measures and reinforces the site's commitment to environmental compliance and water quality protection.

1.3.6 *On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.* ✔
Yes

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Comment	<p>During the audit, the site presented the AWS Mapping of IWRA 2025, which included at least two mapped and physically verified water-related features:</p> <ul style="list-style-type: none"> • Fish Pond (Canteen) – designated for aquaculture activities • Lagoon (WTP) – utilized for both aquaculture and gardening purposes <p>The identified areas were emphasized not only for their environmental significance but also for the meaningful contributions they offer to employee engagement and overall site sustainability. Their current operational status, along with the associated ecological and social benefits, are comprehensively outlined in the document 1.3.6–1.5.5 IWRA Risk Assessment. These features play a vital role in fostering ecological awareness, enhancing workplace wellness, and reinforcing the facility’s commitment to responsible water stewardship. In addition, the document affirms that effective actions have been taken in response to previous audit findings, demonstrating continuous improvement and adherence to compliance standards.</p>	
1.3.7	<p><i>Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.</i></p>	 Yes
Comment	<p>Provided a document '1.3.7 True Cost of Water Marikina - 2024-2025'. The document outlined the 2024 annual water-related expenses, including costs for potable water from Manila Water, sewage system services, wastewater treatment plant testing and electricity, water treatment plant electricity, chemicals for both WWTP and WTP, and projects like water meter installation and rainwater harvesting, and lastly, costs for social actions.</p> <p>The previous audit finding was verified, and action was implemented and is still effective.</p>	
1.3.8	<p><i>Levels of access and adequacy of WASH at the site shall be identified.</i></p>	 Yes
Comment	<p>The facility has a total of 23 restrooms: 10 for males, 9 for females, and 4 common restrooms. These are deemed adequate for the total workforce of 138 employees, distributed across the following shifts:</p> <ul style="list-style-type: none"> - 0800–1700: 24 employees - 0600–1400: 39 employees - 1400–2200: 38 employees - 2200–0600: 37 employees 	
1.4	<p><i>Gather data on the site’s indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.</i></p>	
1.4.1	<p><i>The embedded water use of primary inputs, including quantity, quality and level of water risk within the site’s catchment, shall be identified.</i></p>	 Yes
Comment	<p>The document “1.4.1_1.4.2_Indirect_Water_Use-Outsourced_Services_providing_services_to_PMFTC_Marikina” indicates that there are no suppliers located within the catchment area, as the tobacco leaf suppliers are primarily imported, with only one local supplier (Universal Leaf Tobacco) based in Northern Luzon, outside the catchment. However, freshwater withdrawals (in cubic meters per year) were quantified per supplier using 2024 data.</p>	
1.4.2	<p><i>The embedded water use of outsourced services shall be identified, and where those services originate within the site’s catchment, quantified.</i></p>	 Yes

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Comment	<p>The document "1.4.1_1.4.2_Indirect_Water_Use-Outsourced_Services_providing_services_to_PMFTC_Marikina (2)" indicates that there are no suppliers (outsourced services) located within the catchment area. However, outsourced service providers were engaged by the site through an email, where the necessary data was obtained accordingly. The outsourced service providers then quantified their water use linked to the services provided to the site. The services with quantified water are the following:</p> <ul style="list-style-type: none"> - Water & Wastewater Operation & Management (includes chemicals used) - Fire detection & alarm system O&M - Fumigation Services - Waste Management 	
1.5	<p><i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i></p>	
1.5.1	<p><i>Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</i></p>	 Yes
Comment	<p>The document '1.5.1 Water governance initiatives, catchment plans, water-related public policies & major publicly-led initiatives' was provided. The following water governance initiatives, catchment plans, and water-related public policies and programs were identified within or relevant to the catchment area:</p> <ul style="list-style-type: none"> - Manila Water Corporation: Kasangga Lakbayan Tour; PASIBOL; Toka Toka Environmental Advocacy - Private Water Governance Program: Marikina North Sewage Treatment Plant - Department of Environment and Natural Resources (DENR): Estero Ranger Program; Creek Cleaning Activities - Laguna Lake Development Authority (LLDA): Tree Growing Activities; Solid Waste Recovery Program; Abot-Kamay Para sa Laguna - Marikina City Government in partnership with the Philippine Red Cross: Water Safety Plan (WSP) and Marikina Flood Control Projects 	
1.5.2	<p><i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i></p>	 Yes

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Comment The document '1.5.2 Water-related legal and regulatory requirements applicable to the catchment area' listed the following applicable water-related legal and regulatory requirements (no customary water rights identified):

- Republic Act 9275 of 2004 - Philippine Clean Water Act
- DENR AO 2005-10 IRR of RA 9275
- DENR AO 2016-08 Water Quality Guidelines and General Effluent Standards
- DENR AO 2021-19 Updated Water Quality Guidelines and General Effluent Standards for Selected Parameters
- MC 2017-05 - LLDA Board Resolution 523 s. 2017 Adoption of DENR 2016-08 as the New Effluent Standard within the Laguna Bay Region
- LLDA Board Resolution # 322 s. 2007 - Modified Wastewater Charge System in the Laguna de Bay Region
- MC 2017-01 Guidelines in the processing of the Application for Discharge Permit Exemption
- PD 1067 Water Code of the Philippines and its amended IRR (Regulation of Withdrawals from Surface and Groundwater Bodies)
- DAO 1994-26A Philippine Standards for Drinking Water 1993 Under the Provision of Chapter II, Section 9 of PD 856 - Code on Sanitation of the Philippines
- DAO 2003-27 Amending DAO 26, DAO 29, and DAO 2000-81, among others, on the preparation and submission of Self-Monitoring Report
- DAO 2004-25 Amending Chapter V, Article I of the IRR of PD 984 by deleting the authority to construct and conversion of Permit to Operate to Discharge Permit for water pollution source/ control facilities
- DAO 2014-02 Revised Guidelines for Pollution Control Officer
- MC 2019-01 Guidelines in the Imposition of Daily Penalty for Discharging Pollutive Wastewater within the Laguna Bay Region
- DAO 2021-41 Guidelines in the creation of Watershed Management Councils

A review of the previous audit cycle finding was conducted, and the corrective action remains effective.

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



Yes

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Comment PMFTC Water Strategy Final Report (Angat River Basin Hydrologic Modeling Study)

Date: 12 May 2023

Reference: Email correspondence dated 13 September 2025

1. Water Demand and Supply Overview

> Present (2021) water demand: 46.3 m³/s

> Projected (2050) water demand: 75.0 m³/s

A possible water shortage is already evident based on 2050 demand projections for concessionaire water users.

2. Groundwater Assessment

> Based on the Groundwater Supply vs. Sectoral Water Demand analysis:

> Reliability: 1.66% (present supply vs. projected demand)

> Groundwater utilization: Currently low across domestic and agricultural sectors.

Conclusion:

Groundwater in the Upper Angat River Basin remains dependable, sustainable, and reliable, suggesting it can still support future water requirements within its capacity limits.

3. Surface Water Assessment (Angat River Basin)

> Model simulations indicate that surface water flows from the Angat watershed—even when supplemented by 9 m³/s from the Umiray River Diversion—may no longer be sufficient to meet the increasing demands of Metro Manila.

Dependability (Present Supply vs. Demand)

> Present supply: 59.0 m³/s

> Present demand: 73.3 m³/s

> Utilization: 121%

Interpretation: Surface water from the Angat River Basin is no longer dependable to meet current water demand.

Sustainability (Present Supply vs. Projected Demand)

> Present supply: 59.0 m³/s

> Projected demand: 99.5 m³/s

> Utilization: 166%

Interpretation: Surface water is not sustainable based on future (2050) water demand projections.

Reliability (Projected Supply vs. Projected Demand)

> Projected supply: 50.2 m³/s

> Projected demand: 99.5 m³/s

> Utilization: 188%

Interpretation: Surface water from the Angat River Basin is no longer reliable when considering projected demand and land cover changes affecting watershed hydrology.

Due to the current and projected insufficiency of water supply available from the Angat Reservoir, both water concessionaires—Maynilad Water Services, Inc. and Manila Water Company, Inc.—are developing additional sources of water supply through the Metropolitan Waterworks and Sewerage System (MWSS). With the upcoming addition of approximately 5,200 MLD from various water infrastructure projects, it is anticipated that the increasing water demands of Metro Manila can be adequately addressed in the medium to long term.

Review of the previous audit finding was conducted, and the inclusion of the Angat River as part of the Water Balance has effectively addressed the previous audit finding.

1.5.4

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



Yes

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Comment Based on the LLDA Quarterly Water Quality Monitoring Report for Laguna Lake and its Tributary Rivers covering the period April to June 2025, the Marikina River was found to conform to the pH and nitrate water quality parameters, while it consistently failed to meet the standards for ammonia and phosphate.

A review of data from 2022 to 2025 indicates that the water quality of the Marikina River has progressively deteriorated.

In 2022, some months conformed with BOD, one month conformed with DO, and the river consistently met the standards for pH and nitrate, but failed for fecal coliform, ammonia, and inorganic phosphate.

In 2023, similar results were observed—some months met BOD and DO standards, with consistent compliance for pH and nitrate, and continued failure for fecal coliform, ammonia, and inorganic phosphate.

In 2024, only a few months conformed with BOD and DO, while pH and nitrate remained compliant, and fecal coliform, ammonia, and inorganic phosphate continued to fail.

By 2025, only the month of January conformed with BOD; all succeeding months up to June failed for DO, fecal coliform, ammonia, and inorganic phosphate, while pH and nitrate continued to comply with the standards.

This downward trend in water quality suggests increasing organic and nutrient pollution within the Marikina River, likely linked to urban runoff, domestic wastewater discharge, and limited wastewater treatment coverage in the catchment. For PMFTC, this highlights the importance of maintaining robust internal wastewater management practices, supporting collective action initiatives, and continuing engagement with local regulators and stakeholders to contribute to the improvement of catchment water quality under the AWS (Alliance for Water Stewardship) framework.

As for the Angat River's water quality, it is periodically monitored by the DENR and classified as Class C. In 2019 (downstream), it failed to meet the standards for BOD, chloride, DO, and fecal coliform, while it passed for color, nitrate, pH, phosphate, temperature, and TSS. In 2020 (downstream), the river failed to meet the Water Quality Guidelines (WQG) for Class C water in terms of BOD, DO, and fecal coliform. In 2021 (downstream), the river again failed the WQG for Class C water for BOD, chloride, DO, and fecal coliform. From 2019 to 2021, the DO concentration of the river showed a declining trend, while fecal coliform levels remained significantly above the standard. Although the BOD concentration slightly improved in 2021, it was still higher than the WQG value. The monitoring stations are located in the downstream area of the dam.

1.5.5

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


Yes

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Comment Two documents were presented: '1.3.6-1.5.5_IWRA_Risk_Assessment' and the '1.5.5 Map of External Catchment and IWRAs 2024-2025'.

There are at least eight IWRAs identified and mapped with an assessment resulting in Moderate to Low risks.

- Marikina River
- Marikina Watershed Forest Reserve
- Nangka River
- Balara Filters Park
- La Mesa Watershed and Natural Reserve
- Las Pinas-Paranaque Critical Habitat
- Laguna de Bay
- Angat Watershed Forest Reserve

A map was provided addressing the previous audit finding.

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

Comment 1.5.6 Catchment water-related infrastructures PMFTC Marikina 1 was provided, describing the water-related infrastructures.

Angat Dam (replacement of more than 5,000km of service pipes was made within the span of its 25 years in service). This WRI is heavily affected by drought and variations in the average rainfall.

Balara Filtration Plants are connected to Angat Dam by a 34km water pipe. These filtration plants treat an equivalent of 1,600MLD of drinking water.

East La Mesa Treatment Plant supplies water to far-flung expansion areas in the Rizal province, improving the supply balance of the entire network accordingly. Condition & potential exposure to extreme events such as earthquakes, for which Manila Water has reinforced the facilities with seismic reinforcement to withstand a magnitude of 7.2 earthquake.

Additionally, Manila Water has launched an innovative flood mitigation initiative called Project i-Float, which is directly related to both water treatment and flooding issues in Metro Manila.

Water-related risk exposure and status assessment of these WRI within the catchment were conducted by the site as follows:

- Flooding occurrence (low)
- Water quality (moderate)
- Drought occurrence (low)

1.5.7 *The adequacy of available WASH services within the catchment shall be identified.* ✔
Yes

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Comment Based on data dated 10 September 2025, one (1) out of every 1,000 individuals has no access to safe water, while six (6) households lack access to sanitary toilet facilities. As of June 2025, Manila Water provides sewer services to 311,663 connections across the East Zone, including Marikina, reflecting a 4.67% increase compared to the previous year. To further enhance water supply and wastewater management, the Marikina North–Batasan Diversion Project is underway to improve wastewater flow and treatment efficiency.

Marikina City has also been recognized as a model in solid waste management within Metro Manila, with strong implementation of waste segregation, collection, and recycling programs. The city continues to invest in sewerage and septage management through the upgrading of the Marikina North Sewage Treatment Plant and the conduct of desludging operations for thousands of septic tanks.

To summarize the WASH adequacy of Marikina City as of 2025:

- Water access (98.7% adequate)
- Sanitation coverage (95.0% adequate)
- Hygiene Facilities in Schools (64% with facilities; 36% without facilities)
- WASH in Health Facilities (70% adequate; 30% inadequate)

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.*



closed

Comment The document 1.6.1 - 1.6.2 Shared Water Challenges compiles the water-related issues reported by survey participants, with flooding and water interruptions or depletion noted by the most respondents. In 1.7.1b On-site Water-Related Challenges and Risk Assessment, these challenges were assessed as moderate in severity. However, the information presented in indicator 1.2.1 is inconsistent and does not align with the data reported for this indicator.

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



Yes

Comment The initiatives to address the identified shared water challenges were listed in column AB.

- World Cleanup Day
- River Cleanup
- Catchment-based clean-up
- Catchment-based relief efforts (distribution of food packs for those who participated)

These initiatives are to address flooding in the area by removing rubbish along the river banks and floodways/ waterways to prevent clogging that may cause overflow.

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.*



Yes

Comment Water risks were identified in Column A, including flood occurrence, deterioration of surface water quality, water depletion and drought occurrence, access to sanitation and safe drinking water, and impacts on freshwater biodiversity. The potential costs in column J, along with their timeframes in column K, are detailed, while the corresponding business impacts are presented in Column G.

The previous audit finding concerning the identification of risk types has already been addressed and reflected in Column B (Risk Type).

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1.7.2	<i>Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.</i>	 Yes
Comment	Water-related opportunities were identified in Column G of the document "1.7.2 On-Site Water Related Challenges and Risk Assessment". These include narratives describing how the site may participate, with the corresponding potential savings indicated in Column H. The assessment and prioritization of these opportunities are determined based on the timeframes provided. The site has expressed its commitment to participate in collective actions whenever opportunities arise.	
1.8	<i>Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</i>	
1.8.1	<i>Relevant catchment best practice for water governance shall be identified.</i>	 Yes
Comment	Since flooding was the topmost water-related challenge, the following activities are conducted: - Barangay Calumpang Marikina River Clean-up - Barangay Tanong (River clean-up) - Tree Planting - Estero Rangers by DENR (clean-up) - River dredging	
1.8.2	<i>Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.</i>	 Yes
Comment	Sections 1.8.2 to 1.8.3 of the BEST PRACTICES – MKN document highlight key water balance initiatives aimed at restoring river health: - Nangka River Cleanup and donation of cleaning materials - World Cleanup Day 2025 participation - Channel improvement projects Additional measures include collecting rainwater for plant watering and cleaning in the Ripping Area and Primary D Area, as well as capturing condensate from canteen air-conditioning units. These steps reduce the site's reliance on Manila Water, allowing more water to be shared with the community. Treated wastewater is also diverted for use in the nursery and power plant cleaning activities. Rainwater is collected to clean roofs, walls, and floors in the motorcycle and bus parking areas. Another initiative supporting water balance and catchment health is the 'Spot the Leak Challenge,' held during World Water Day and actively participated in by site employees.	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	 Yes

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Comment The site has identified a range of initiatives aimed at enhancing water quality within its catchment area. These practices reflect both community engagement and infrastructure-based interventions:

- Nangka River Cleanup and Donation of Cleaning Materials: A targeted cleanup effort was conducted along the Nangka River, complemented by the donation of cleaning supplies. This initiative directly contributes to the reduction of pollutants and sedimentation, thereby improving the river’s overall water quality.
- World Cleanup Day 2025: In alignment with global environmental efforts, the site took part in World Cleanup Day 2025. This activity focused on minimizing solid waste accumulation, particularly in areas prone to runoff during the rainy season, helping to prevent contamination of nearby water bodies.
- Sewer Line Maintenance by Manila Water: Manila Water has undertaken extensive sewer line cleaning, covering over 163 kilometers of infrastructure. This routine maintenance helps prevent blockages and overflows, reducing the risk of untreated wastewater entering natural waterways.
- Comprehensive Facility Upgrade by Manila Water: According to Manila Water’s published information, a facility-wide upgrade has been initiated to improve water treatment capacity and operational efficiency. These enhancements are expected to bolster long-term water quality management across the service area.

The identified water quality initiatives resolved issues raised in the prior audit.

1.8.4 *Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.* ✔
Yes

Comment Section 1.8.4, which outlines relevant catchment and sector best practices, focuses exclusively on a single IWRA initiative—the Marikina River Clean-up Drive.

1.8.5 *Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.* ✔
Yes

Comment Manila Water’s maintenance of 163 km of sewer infrastructure exemplifies a sector-aligned best practice that contributes to the compliance with equitable and adequate WASH service standards.

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2	STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	<i>Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</i>	
2.1.1	<i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i> <ul style="list-style-type: none"> - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard. 	 Yes
Comment	The AWS Commitment, titled "PMFTC Inc. Water Stewardship Commitment," was presented and signed by the Director of Manufacturing on 01 July 2025. The previous version of the commitment, signed by the former Director of Manufacturing on 23 August 2023, was publicly disclosed to relevant stakeholders via email. A sample email demonstrating this disclosure, dated 15 September 2025, was provided. All required commitments were clearly outlined in the submitted document.	
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>	
2.2.1	<i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i> <ul style="list-style-type: none"> - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies. 	 Yes
Comment	PH EHS 1003 – Identification and Management of Legal and Other Requirements (Version 4, Effective 18 July 2024) was presented, together with the site's Red Online Legal Compliance system used for monitoring and tracking compliance obligations. The procedure outlines the identification of responsible personnel and the process for submitting requirements to regulatory agencies. The Pollution Control Officer and Managing Head are designated as the key personnel responsible for identifying and evaluating compliance obligations.	
2.3	<i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i>	
2.3.1	<i>A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</i>	 Yes
Comment	Water Stewardship Strategy signed by the Director of Manufacturing, dated 09 September 2025, was presented.	

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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.


Yes

Comment The document '2.3.2 2.4.1 4.1.1 4.4.1 AWS Plan and evaluation' presented with the following information:

- Indicator/ plan in Column D
- Targets are in Column G
- Actions to achieve and maintain (or exceed - best practice) targets (Column F)
- Planned timeframes for achievement (Column I)
- Financial budgets allocated for actions (Column P)
- Positions of responsible personnel for implementation and achievement of targets (Column S)
- Linkages between each target and the achievement of best practice, including contributions to addressing shared water challenges and AWS outcomes (Column AJ)

With the presented document, the previous audit finding has been effectively addressed.

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.*


Yes

Comment The site explained that the plan to mitigate or adapt to the identified water risks in coordination with the relevant public sector and infrastructure agencies is documented in 1.7.2 On-Site Water Related Challenges and Risk Assessment 1 1 Column I. Flood occurrence topped the risks identified, along with the deterioration of surface water quality, water depletion & drought occurrence, access to sanitation & safe drinking water, and impact on freshwater biodiversity. The site, in coordination with the local government unit (Barangay Nangka), is conducting storytelling, mural campaigns, and awareness campaigns within the community. This activity is likewise validated during the interview of the Stakeholder representing the local government (Barangay Parang), where he specifically mentioned the close coordination with the politician for the awareness campaign to mitigate water-related risks, such as flooding and water pollution.

The actions taken by the site to address the previous audit finding remain effective as of the time of the audit.

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3	STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	<i>Implement plan to participate positively in catchment governance.</i>	
3.1.1	<i>Evidence that the site has supported good catchment governance shall be identified.</i>	✔ Yes
Comment	<p>3.1.1a document describes the catchment best practice initiatives to support effective water governance with a total of six activities, including the site's morning activity (distribution of food packs), where the site posted a local language translation of AWS information.</p> <ul style="list-style-type: none"> - Water Summit 2025 in Celebration of World Water Day held from 19 March 2025 to 21 March 2025 (Water Philippines Convention) - Engaging in Local Community, Barangay Nangka - 11 March 2025 - Nangka River Cleanup dated 10 May 2025 with 154 volunteers, including PMFTC employees, third-party workers, and the community, collecting a total of 300kg of waste and 340 cigarette butts from the river - Donation of cleaning materials on the same day as the cleanup activity at Nangka River - World Cleanup Day activity on 20 September 2025 in partnership with the local communities <p>Verification of the previous audit finding was conducted, and the action is still effective.</p>	
3.1.2	<i>Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.</i>	✔ Yes
Comment	There were no specific water rights identified within the site's catchment, including those of the indigenous peoples; however, the site had already implemented water conservation measures to ensure a sufficient supply for the community. These included activities such as employee-led leak detection, reducing the water meter pipe diameter to four inches, reusing treated wastewater, and collecting and utilizing rainwater, among others.	
3.2	<i>Implement system to comply with water-related legal and regulatory requirements and respect water rights.</i>	
3.2.1	<i>A process to verify full legal and regulatory compliance shall be implemented.</i>	✔ Yes
Comment	The document '2.2.1 Water related roles and Responsibilities' defined the process to verify full legal compliance. Additional evidence is the copy of the renewal of the discharge permit as included in the document. The regulatory compliance is managed by the accredited Pollution Control Officer along with the appointed Managing Head. A Certificate of Zero Violation for Y2024 dated 15 September 2025 was provided by the site.	
3.2.2	<i>Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.</i>	✔ Yes
Comment	There were no specific water rights identified within the site's catchment, including those of the indigenous peoples; however, the site had already implemented water conservation measures to ensure a sufficient supply for the community. These included activities such as employee-led leak detection, reducing the water meter pipe diameter to four inches, reusing treated wastewater, and collecting and utilizing rainwater, among others.	
3.3	<i>Implement plan to achieve site water balance targets.</i>	
3.3.1	<i>Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.</i>	✔ Yes

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Comment	The site collected 960m ³ for the whole year of implementation since September 2024 from the four rainwater collection stations. This is to support the business's KPI of 7.58m ³ / MT of ET & flakes (row 22 of the WSP). The previous audit finding has been verified, and actions taken remain in effect.	
3.3.2	<i>Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.</i>	 Yes
Comment	The site achieved its annual water use efficiency target by diverting the wastewater treatment plant discharge to a nonpotable tank starting in November 2023. The goal was to collect 10 m ³ per year, but the site exceeded it with 13 m ³ per year, which is then reused for cleaning in the power plant area.	
3.3.3	<i>Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.</i>	 Yes
Comment	While there is no legally binding documentation for reallocating water to social, cultural, or environmental needs, the site provided records from 2023 demonstrating the reduction of its pipe meter size to 75 mm. This action was taken to help ensure that the site does not compete with the community for available water resources.	
3.4	<i>Implement plan to achieve site water quality targets</i>	
3.4.1	<i>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</i>	 Obs.
Comment	The site implemented a recycling initiative that transforms plastic waste into sustainable handwashing stations for partner communities. This program supports waste reduction efforts by ensuring that plastic waste is collected and properly disposed of, preventing it from polluting nearby water bodies. Quarterly Self-monitoring Reports submitted to the regulatory body indicated zero effluent from Q1 of 2024 up to Q1 of 2025 for LLDA. The initiative set a target to collect 500 kg of plastic waste and achieved 736 kg. Another activity related to the site's water quality is the monthly water potability test sampling. Reference: WSP, Rows 9 & 23; Water Stewardship Report 2024, p. 51. With the current actions, the site was able to address effectively the previous audit findings.	
3.4.2	<i>Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.</i>	 Yes
Comment	The consistent implementation of the zero-wastewater-discharge policy, as indicated in Row 24 of the WSP, along with monthly effluent testing conducted by Bauer and a third-party laboratory, demonstrates the site's commitment to continual improvement by not contributing pollutants to the receiving body. These measures support efforts to address water quality, which has been identified as a shared water challenge. It also addresses the previous audit observation by demonstrating that wastewater quality within the site continues to be monitored and improved, ensuring that treated wastewater remains suitable for internal reuse.	
3.5	<i>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</i>	
3.5.1	<i>Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.</i>	 Yes

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Comment	<p>Practices identified in the Water Stewardship Plan to maintain and enhance the site's important water-related areas were implemented as follows:</p> <ul style="list-style-type: none"> • Canteen Lagoon Improvements: A protective net was installed to prevent falling leaves and debris from entering the lagoon. Additionally, the design and visibility of the "Please Don't Litter" signage were enhanced to strengthen awareness and promote proper waste disposal. • WTP Lagoon Improvements: The lagoon platform was repainted to discourage walking on the structure, mitigating potential sources of dirt and contamination. Net covers were also installed to prevent debris and leaves from entering the lagoon. <p>The previous audit finding has been effectively addressed through these activities and is therefore considered resolved as of this audit.</p>	
3.6	<i>Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.</i>	
3.6.1	<i>Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.</i>	 Yes
Comment	<p>Evidence that the site provides adequate access to safe drinking water, effective sanitation, and protective hygiene for all workers is documented and quantified in WSP Row 8 and in the Marikina Water Stewardship Report 2024 (pp. 37, 42, 52, and 64). These initiatives demonstrate the site's commitment to ensuring sufficient WASH facilities, complementing the activities reported under Indicator 1.3.8, where access to WASH facilities was previously detailed.</p>	
3.6.2	<i>Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.</i>	 Yes
Comment	<p>The reduction of the meter pipe size demonstrates the site's commitment to ensuring that its operations do not impinge upon the human right to safe water and sanitation. These measures help ensure that water access for surrounding communities is respected and protected. In addition, the site has no recorded compliance violations, as confirmed by relevant authorities during stakeholder interviews.</p>	
3.7	<i>Implement plan to maintain or improve indirect water use within the catchment:</i>	
3.7.1	<i>Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.</i>	 Yes
Comment	<p>Although indirect water use targets were not established in the Water Stewardship Plan (WSP) in relation to Indicator 1.4.2, the site made efforts to quantify indirect water use through engagement with a third-party service provider. The site presented its indirect water use analysis by referencing the headcount of third-party workers and correlating this with Water-In, MIO, Tons ET/Flakes, and headcount data monitored from 2023 to 2024.</p> <p>Hence, the previous audit findings related to this indicator have been clarified and resolved.</p>	
3.7.2	<i>Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.</i>	 Yes
Comment	<p>An email blast copy was presented as an engagement initiative addressed to the site's valued partners. Photos of bulletin boards displaying AWS-related information were also provided, along with a summarized version of the Water Stewardship Report.</p> <p>Acknowledgment emails were sampled from Insafety, Inc., CEMO Marikina, and WARM, all dated 15 September 2025.</p>	

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3.8	<i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</i>	
3.8.1	<i>Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.</i>	 Yes
Comment	<p>A document was presented, and the site representative explained that a coordination meeting was held with the local government unit of Barangay Nangka regarding the Nangka River Cleanup Day scheduled for 10 May 2025. The activity commenced at 0600H at the Nangka River in Barangay Nangka, Marikina City. Registration was open until 08 May 2025 at 1500H, with key contacts identified from both the site and the local government unit.</p> <p>The event gathered at least 154 volunteers, including PMFTC employees, third-party workers, and community members. A total of 300 kg of waste and 340 cigarette butts were collected from the river. The initiative underscored a shared commitment to environmental protection, river and aquatic ecosystem restoration, and building a cleaner and healthier community for present and future generations.</p> <p>Following the cleanup drive, a talk was conducted by WARM Management, the site's third-party waste management service provider.</p>	
3.9	<i>Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</i>	
3.9.1	<i>Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.</i>	 Yes
Comment	<p>The site supported and participated in the Nangka River Clean-Up on 10 May 2025, including the donation of cleaning materials. This activity formed part of the celebration of World Clean-Up Day 2025, which can be linked to water governance. The Nangka River is a tributary of the Marikina River. The activities addressed and resolved the previous audit finding.</p>	
3.9.2	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	<p>The site's rainwater collection system, supported by eight installed tote bins, contributes to lowering water consumption and meeting its KPI of 6.3 m³ per ton. These actions also addressed and closed the previous audit finding.</p>	
3.9.3	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 Yes
Comment	<p>The Nangka River Clean-Up was held on 10 May 2025, in celebration of World Clean-Up Day 2025, including the donation of cleaning materials by the site. The activity initially targeted 70 participants; however, a total of 154 volunteers joined the event. This initiative supports efforts to help maintain the availability and quality of river water for other uses within the catchment.</p>	
3.9.4	<i>Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	<p>The Nangka River Clean-Up was held on 10 May 2025, in celebration of World Clean-Up Day 2025, including the donation of cleaning materials by the site. The activity initially targeted 70 participants; however, a total of 154 volunteers joined the event. This initiative supports efforts to help maintain the availability and quality of river water for other uses within the catchment. Nangka River is a tributary of the Marikina River, which was identified as an important water-related area. The activities addressed and resolved the previous audit finding.</p>	

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3.9.5	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Yes
Comment	Initial engagement with the Philippine Red Cross Marikina Chapter was conducted on 24 September 2025 to discuss potential water and sanitation projects. This initiative represents an ongoing collaboration between the site and the Philippine Red Cross. The site has already commenced its “Trash to WASH” project within its premises, with plans to expand the program to involve the surrounding community.	

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4 STEP 4: EVALUATE - Evaluate the site's performance.	
4.1	<i>Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.</i>
4.1.1	<i>Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.</i>
Comment	Based on the presented Water Stewardship Plan (WSP), the overall evaluation indicates a 78% achievement of targets as of the time of the audit. The site still has until the end of the year to complete and update the remaining targets, as some activities are scheduled for implementation later in the year. The numerical evaluation is reflected in Column U of the WSP, thereby addressing the previous audit finding.
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>
Comment	The value creation associated with rainwater utilization was quantified as follows: USD 2,293.04 per year for rainwater use; USD 30 per year for the diversion of WWTP piping to support zero discharge; USD 11.60 per year for cleaning and installation of storage tanks; and USD 1,045.68 per year for cleaning of walls using rainwater. This quantification addresses and resolves the previous audit finding.
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>
Comment	A total of 990 m ³ /year was reduced from municipal water supply consumption through rainwater use, and an additional 13 m ³ /year reduction was achieved through diversion of piping, as reflected in Column AE of the WSP.
4.2	<i>Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</i>
4.2.1	<i>A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.</i>
Comment	Based on the documents reviewed and the interviews conducted, the site reported zero water-related emergency incidents and no regulatory penalties. The Marikina Site Extended Leadership Team Meetings held on 14 and 15 September 2025 formed part of the site's regular operational activities. Records from the EHS Material Liability monitoring also confirm that no EHS-related financial penalties were incurred from January to August 2025. However, a phosphate exceedance at the WWTP was recorded in November 2024. This incident was reported, and subsequent corrective actions—including Initial Problem Solving and the development of a One-Point Lesson—were implemented to address the issue and prevent recurrence.
4.3	<i>Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</i>
4.3.1	<i>Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.</i>

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- Comment The site engaged relevant stakeholders through face-to-face meetings and email communications. However, there is an opportunity to further enhance consultation efforts on the site's water stewardship (WS) performance to gather additional information that could support collective actions.
- On 15 September 2025, the site shared the PMFTC Inc. Annual Water Stewardship Report and the Water Stewardship Plan with relevant stakeholders via email, thereby addressing and resolving the previous audit findings.
- 4.4** *Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.*
- 4.4.1** *The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.* 
Yes
- Comment The presented Water Stewardship Plan (WSP) includes a dedicated tab for revision history, with lessons learned linked to each plan or target. Revision 05, dated 02 October 2025, is the latest version available at the time of the audit. The previous audit findings have been addressed and resolved accordingly.

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5 STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	<i>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.</i>
5.1.1	<i>The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.</i>
Comment	Photos of disclosed information were documented, particularly in the canteen area visited by the Audit Team. Water-related internal governance, including the roles of those accountable for compliance with water-related laws and regulations, was posted and made publicly available. This action addresses and resolves the previous audit findings.
 Yes	
5.2	<i>Communicate the water stewardship plan with relevant stakeholders.</i>
5.2.1	<i>The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.</i>
Comment	As part of the site's commitment to transparency and alignment with the AWS Standard, an email was sent to key stakeholders on 15 September 2025. This communication formally disclosed the Water Stewardship Plan, detailing how its implementation contributes to AWS outcomes. Additionally, the site conducted a Contractor Monthly Meeting dated 20 Aug 2025 that included a discussion of the WSP among the contractors of PMFTC. This initiative addresses and resolves the previous audit finding.
 Yes	
5.3	<i>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.</i>
5.3.1	<i>A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.</i>
Comment	As part of the site's commitment to transparency and alignment with the AWS Standard, an email was sent to key stakeholders on 15 September 2025. This communication formally disclosed the Water Stewardship Plan, detailing how its implementation contributes to AWS outcomes. This initiative addresses and resolves the previous audit finding.
 Yes	
5.4	<i>Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.</i>
5.4.1	<i>The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.</i>
Comment	As part of its commitment to transparency and continuous improvement, the site formally disclosed its Water Stewardship Plan (WSP) to relevant stakeholders via email on 15 September 2025. The WSP outlines the site's key water-related challenges and details the mitigation strategies implemented to address them. This disclosure not only fulfills the public communication requirements under the AWS Standard but also directly addresses and resolves the audit findings identified in the previous audit cycle.
 Yes	
5.4.2	<i>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.</i>
 Yes	

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Comment During the audit, the site's active engagement with public-sector agencies was clearly demonstrated. Notably, the Chairman of Barangay Nangka personally updated site representatives regarding the food pack donations provided to support residents affected by the recent typhoon. This reflects the site's commitment to community support and coordinated disaster response.

In parallel, the site leveraged this engagement to promote water stewardship awareness by posting AWS-related information within the Barangay Hall, ensuring visibility to local visitors and reinforcing its advocacy for responsible water governance.

Additionally, the site's participation in the Nangka River Cleanup held on 10 May 2025 exemplifies its proactive approach to catchment-level environmental stewardship. These activities collectively address and resolve prior audit findings related to stakeholder coordination and community-based water governance.

Photographic documentation of these initiatives is available under AWS Indicator 3.1.1a.

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

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


Yes

Comment Based on the review of site records and direct interviews with relevant stakeholders, the audit confirms that the site has no reported water-related violations. This outcome reflects effective implementation of the Water Stewardship Plan (WSP), adherence to regulatory requirements, and alignment with AWS Standard expectations.

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


Yes

Comment Based on the review of site records and direct interviews with relevant stakeholders, the audit confirms that the site has no reported water-related violations. This outcome reflects effective implementation of the Water Stewardship Plan (WSP), adherence to regulatory requirements, and alignment with AWS Standard expectations.

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


Yes

Comment Based on the review of site records and direct interviews with relevant stakeholders, the audit confirms that the site has no reported water-related violations. This outcome reflects effective implementation of the Water Stewardship Plan (WSP), adherence to regulatory requirements, and alignment with AWS Standard expectations.

Previous Findings

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


Yes

Comment All audit findings from the previous cycle have been thoroughly verified and validated during the current audit. Corrective actions were found to be effectively implemented, with supporting documentation and on-site practices confirming their continued application. This outcome demonstrates the site's commitment to continuous improvement, operational accountability, and sustained compliance with applicable standards.