

CERTIFICATION REPORT

Alliance for Water Stewardship (AWS)



Audit Number: AO-001668

SITE DETAILS

Site: **ASC-Taylor Brothers**

Address: 2415 S Stratford Rd., 27103, Winston Salem, North Carolina, UNITED STATES

Contact Person: Janae Wells

AWS Reference Number: AWS-000802

Site Structure: Single Site

CERTIFICATION DETAILS

Certification status: Certified Core

Date of certification decision: 2025-Oct-27

Validity of certificate: 2028-Oct-26

AUDIT DETAILS

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

Audit Type(s): Initial Audit

Audit Start Date: 2025-Aug-05

Audit End Date: 2025-Aug-07

Lead Auditor: Mark Carroll

Audit team participants:

Mark Carroll, Lead Auditor

Site Participants:

James Graham, Factory Engineer

Janae Wells, Senior Manager EHS

Scott Snow, Senior Manager EHS

Julian Olsen, Consultant

Rae Minddock, Consultant

Allison Bush, Consultant

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ADDITIONAL INFO

Summary of Audit Findings: During the certification audit, 8 non-conformities and 4 observations were raised.

The Client is requested to submit a root cause analysis and corrective actions for each of the non-conformities to WSAS within 7 days of receipt of the audit report, by 22 September 2025.

The non-conformities must be closed within 90 days of the end of the audit. In order to meet this timeline evidence is to be submitted to WSAS (within 75 days) by 21 October 2025.

The audit team recommends certification of the ACS Taylor Brothers facility site at the Core level pending closure of the non-conformities.

Scope of Assessment: The scope of services covers the Initial certification audit for assessing conformity of ASC Taylor Brothers against the AWS International Water Stewardship Standard Version 2.

The audit was conducted onsite from August 5th-7th, 2025.

The Taylor Brothers facility audit tour consisted of two (2) production buildings, one (1) storage building, and one (1) combined storage building and employee fitness center, onsite stormwater detention basin.

The geographical scope of the audit was the Taylor Brothers Factory, located in Winston-Salem, North Carolina. Their water is withdrawn from the Yadkin - Pee Dee river basin.

FINDINGS

NUMBER OF FINDINGS PER LEVEL

Observation	4
Non-Conformity	8

Audit Number: AO-001668

FINDING DETAILS

Finding No:	TNR-019791
Checklist Item No:	1.2.1
Status:	Closed
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: - 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:	To ensure better alignment with this indicator, it is recommended to assess whether vulnerable populations, women and minority groups are present within the catchment area.
Corrective action:	The information was provided during audit. 1.2.1 Stakeholder mapping and 1.3.6 NC Tribal & Urban Communities map
Evidence of implementation:	Provided evidence from audit documentation. 1.2.1 Stakeholder mapping and 1.3.6 NC Tribal & Urban Communities Map The EJ Community Report (5.5.3 evidence and included here) provides information including socioeconomic indicators and breakdown by race/gender. The Demographic Index was 1.18 indicating a high level of similarity in the population. The rate of unemployment is 3%. In addition the state of NC well served by served by public water utilities and wastewater utilities. Public Water Supply Water Sources, source NC OneMap TR Comment, 25/September/2025: The site provided the EJ Community Report provides information including socioeconomic indicators and breakdown by race/gender. The Demographic Index was 1.18 indicating a high level of similarity in the population. The rate of unemployment is 3%.

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Audit Number: AO-001668

Finding No: TNR-019265

Checklist Item No: 1.3.2

Status: Closed

Finding level: Non-Conformity

Due date: 2025-Nov-06

Checklist item: Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped

Findings: The site is lacking detailed water uses within the facility.

Corrective action: Identify schedule and status of getting meters back online; outline the steps and how progress will be made, as well as how this will help establish water balance metrics

Evidence of implementation: Quotes have been received by both vendors required for reimplementation of water meter system at Taylor Brothers. Work for this project is projected to begin Q1 2026 with completion by Q2 2026 barring any unforeseen issues. Quotes from Salem Electric & Piedmont Automation along with internal communication are attached for review.

Finding No: TNR-019267

Checklist Item No: 1.3.3

Status: Closed

Finding level: Non-Conformity

Due date: 2025-Nov-06

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 site lacks a quantified water balance that incorporates annual variances, losses, inflows, storage, and outflows.

Corrective action: Identify schedule and status of getting meters back online; outline the steps and how progress will be made, as well as how this will help establish water balance metrics

Evidence of implementation: The site has the reimplementation of the water meters at Taylor Brothers on the books to be started in Q1 2026 with completion in Q2 2026 barring any unforeseen issues. We have received quotes from the two vendors needed for this project. Salem Electric & Piedmont Automation. Their quotes along with internal communication are attached for your review.

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Audit Number: AO-001668

Finding No:	TNR-019239
Checklist Item No:	1.4.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-06
Checklist item:	The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.
Findings:	The site is lacking information on its primary inputs and has not identified their catchment location. The site has not accounted for embedded water use within the catchment.
Corrective action:	This information was provided. Embedded water use of primary inputs (finished tobacco) is accounted for at TVL facility, included any tobacco farms located in catchment (< 5). Resend evidence
Evidence of implementation:	10/13/2025- I have sent a second request for imbedded water to the packaging vendor (Westrock). It is our responsibility to request this information, but we cannot force the vendor to provide this information. Therefore, we believe that by requesting this information twice we have completed our duty per the standard requirements. Evidence of second request attached.
Finding No:	TNR-019238
Checklist Item No:	1.4.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-06
Checklist item:	The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.
Findings:	The site has not provided a list of all their outsourced services nor their location within the catchment. Additionally, quantification of the embedded water use of service providers within the catchment area has not been provided.
Corrective action:	Identify outsourced vendors accounting for >5% of finished products by weight through procurement; including labels, plastic container packaging, cardboard case packaging, plastic wrapping; if any are located in catchment, reach out to vendor to attempt to quantify water use in producing materials
Evidence of implementation:	Vendors identified; 1 vendor - Westrock - is located within catchment; Janae sent email on 8/26/2025 to inquire about water used in production of boxes purchased by ASC Taylor Bros. Westrock Is the only outsourced services, there are no other outsourced services used by the facility.

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Audit Number: AO-001668

Finding No:	TNR-019788
Checklist Item No:	2.3.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-06
Checklist item:	A water stewardship plan shall be identified, including for each target: - How it will be measured and monitored - Actions to achieve and maintain (or exceed) it - Planned timeframes to achieve it - Financial budgets allocated for actions - Positions of persons responsible for actions and achieving targets - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.
Findings:	The site's Water Stewardship Plan lacks baseline water reduction targets, and some goals are not SMART. Additionally, some of the metrics are not measurable—for example, proactive involvement.
Corrective action:	As the facility continues to be operational and the metering system is able to be brought back online, baseline water metrics can be established and identified in the WSP. The WSP will also be reviewed to ensure that all goals are SMART.
Evidence of implementation:	Revised Water Stewardship Plan to add water withdrawn baseline metric as well as try to make each target measurable when possible. 10/23- Line 11/12/17 made the metrics bold. Line 20 removed until we gain momentum and have a measurable metric. Attached for review.
Finding No:	TNR-019240
Checklist Item No:	3.3.1
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-06
Checklist item:	Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.
Findings:	The site has set water balance targets; however, implementation has not yet commenced, and water balance data is currently unavailable.
Corrective action:	Identify schedule and status of getting meters back online; outline the steps and how progress will be made, as well as how this will help establish water balance metrics
Evidence of implementation:	The project for reinstalling the meters/PLC at Taylor Brothers has been added to the budget for 2026. Two quotes for the project have been received that will be necessary to complete the project. One from Piedmont Automation and one from Salem Electric. The quotes provide general amount of time for completion of work once parts are received. Salem Electric states 2 weeks to completion and Piedmont Automation states 4-6 weeks. This work will begin in Q1 2026 with a projected completion of Q2 2026 barring any unforeseen issues. Vendor quotes and internal communication attached for review.

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Audit Number: AO-001668

Finding No:	TNR-020060
Checklist Item No:	3.7.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.
Findings:	The site is lacking indirect water use data from its suppliers and service providers (refer to findings in indicators 1.4.1 and 1.4.2); therefore currently there are no indirect water use targets in the Water Stewardship Plan.
Corrective action:	Identify outsourced vendors accounting for >5% of finished products by weight through procurement; including labels, plastic container packaging, cardboard case packaging, plastic wrapping; if any are located in catchment, reach out to vendor to attempt to quantify water use in producing materials. If there is a vendor identified within the catchment and they are able to provide quantifiable data for the materials they supply to the Taylor Brothers facility, the data can then be used to support establishing an indirect water use target in the water stewardship plan.
Evidence of implementation:	The Taylor Brothers facility obtained the vendor list from procurement and identified 1 vendor located within the catchment. The vendor, Westrock, supplies packaging materials (boxes) to Taylor Brothers and this accounts for >5% by weight, as defined by the Standard. Janae sent an email on 8/26/2025 to Westrock to inquire about water used in production of boxes purchased by ASC Taylor Bros. Westrock did reply that they would review on their end. To date, a reply with such values has not been received. Please refer to attached files for evidence of vendor identification and correspondence with Westrock.

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Audit Number: AO-001668

Finding No:	TNR-019245
Checklist Item No:	3.7.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-06
Checklist item:	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.
Findings:	The site is lacking communication with suppliers and service providers on indirect water use.
Corrective action:	This information was provided. Embedded water use of primary inputs (finished tobacco) is accounted for at TVL facility, included any tobacco farms located in catchment (< 5). Resend evidence
Evidence of implementation:	Vendors identified; 1 vendor - Westrock - is located within catchment; Janae sent email on 8/26/2025 to inquire about water used in production of boxes purchased by ASC Taylor Bros. Taylor Brothers did request information from Westrock. I assume you provided the evidence of communication with Westrock. Westrock is the primary input that accounts for >5% and we requested data on their water use, to determine indirect water use. To date, a reply was not received. 10/13/2025- I have sent a second request to Westrock for the imbedded water data. Our responsibility is to request the data, which we have now done twice. There is nothing we can do to force the vendor to provide the information. Based on the evidence we are requesting closure.

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Audit Number: AO-001668

Finding No:	TNR-019310
Checklist Item No:	3.9.2
Status:	Closed
Finding level:	Non-Conformity
Due date:	2025-Nov-06
Checklist item:	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.
Findings:	The site has not implemented actions toward achieving best practices related to water balance targets.
Corrective action:	The facility was to be decommissioned in 2024 and the metering system that is installed (meters) also began to be decommissioned. Therefore, no water data was able to be collected to establish targets. The site is in the process of identifying a schedule and status of getting meters back online with their engineering department and external meter vendor. Once the schedule is known, the site can outline the steps and how progress will be made to get the meters back online and functioning, as well as how this will help establish water balance metrics.
Evidence of implementation:	The facility was to be decommissioned in 2024 and the metering system that is installed (meters) also began to be decommissioned. Therefore, no process water data was able to be collected to establish meaningful targets. Water into the facility and wastewater going out are currently tracked and quantified. The items identified in 1.8.2 for Best Practices related to water balance are established and evidence was provided in the Sharepoint audit documents. Copies of those documents are provided herein. Meaningful targets will be set upon completion of reinstallation of metering system. This is projected to be completed in Q2 2026 barring any unforeseen circumstances. Evidence of internal communication and vendor quotes are attached.
Finding No:	TNR-019747
Checklist Item No:	4.1.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.
Findings:	Some of the targets in the Water Stewardship Plan lack defined metrics, which makes evaluation difficult (refer to finding in indicator 2.3.2).
Corrective action:	As the facility continues to be operational and the metering system is able to be brought back online, baseline water metrics can be established and identified in the WSP. The WSP will also be reviewed to ensure that all goals are SMART.

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Audit Number: AO-001668

Finding No:	TNR-020061
Checklist Item No:	4.4.1
Status:	In Progress - CA plan approved
Finding level:	Observation
Checklist item:	The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.
Findings:	Information indicating how the Water Stewardship Plan has been modified or adapted to incorporate any relevant information and lessons learned from the evaluations, has not yet been recorded.
Corrective action:	Add lessons learned and show modifications/revisions to plan once we have some. The WSP is still new and being developed, as the site was just brought back online in 2024, as documented. The site will review, evaluate and modify the plan annually as the facility continues to establish its baseline for water use and full production. The Taylor Brothers Team meets twice a month to document progress. The Extended Water Stewardship Plan is reviewed Quarterly for updates.
Evidence of implementation:	The WSP is still new and being developed, as the site was just brought back online in 2024, as documented. The site will review, evaluate and modify the plan annually as the facility continues to establish its baseline for water use and full production. The Taylor Brothers Team meets twice a month to document progress. The Extended Water Stewardship Plan is reviewed Quarterly for updates.

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Report Details

Report	Value
Report prepared by	Mark Carroll
Report approved by	Monserath Zamora
Report approved on (Date)	8 September 2025

Surveillance

Proposed date for next audit
2026-Aug-04

Stakeholder Announcements

Date of publication	Location
16/05/2025	https://a4ws.org/wp-content/uploads/2025/05/AWS-000802_ASC-Taylor-Brothers_StakeholderAnnouncement_August25-1.pdf
12/05/2025	Stakeholder Announcements-X https://americansnuffco.com/home/about-american-snuff-company/news

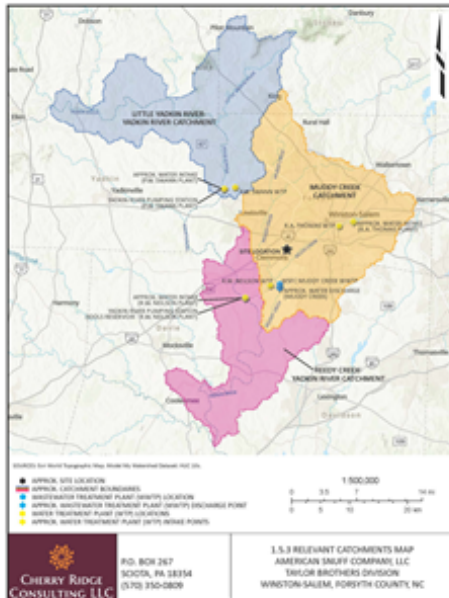
Comment

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Catchment Information



Catchments Map.jpg

Catchment Information

Comment The ASC Taylor Brothers Catchment (469.1 square miles) is within the Yadkin Pee-Dee River Basin, defined as the Muddy Creek watershed (HUC 03040101103), the Little Yadkin River-Yadkin River watershed (HUC 0304010110), and the Reedy Creek-Yadkin River watershed (HUC 0304010115), which are adjacent watersheds.

The sources of water and associated water treatment plants, wastewater treatment plant, and discharge facility to the ultimate receiving water are located within the catchment. The catchment area is defined and mapped.

The ASC Taylor Brothers facility is in the Muddy Creek Catchment (HUC 10 watershed). There are direct point-source discharges to surface water at the site. The defined catchment extends several miles downstream of the site discharge from the stormwater detention basin.

The wastewater treatment plant is located in the Muddy Creek Catchment (HUC 10 watershed). Discharge from the wastewater treatment plant flows into Muddy Creek. Muddy Creek flows to the Yadkin River with the confluence more than five (5) miles downstream of the discharge point on Muddy Creek. Due to this distance and occurrence of additional point-source and non-point source discharges along Muddy Creek prior to its confluence with the Yadkin River, Muddy Creek is determined to be the ultimate receiving water of the catchment.

The source water treatment plants are located in the Muddy Creek (HUC 10 watershed), Little Yadkin River-Yadkin River (HUC 10 watershed), and Reedy Creek-Yadkin River (HUC 10 watershed) catchments, as defined herein. These watersheds are adjacent. Source water is withdrawn from the Yadkin River and/or Salem Lake. The water withdrawal locations on the Yadkin River are located upstream of the confluence of Muddy Creek and Yadkin River.

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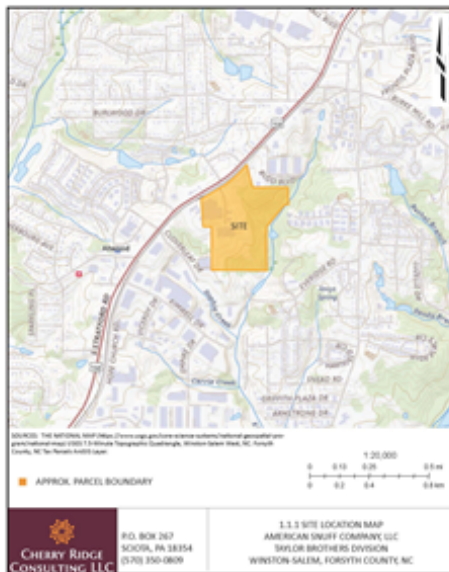
Client Description and Site Details

Client/Site Background

The Taylor Brothers facility, situated at 2415 Stratford Road in Winston Salem, NC, is owned and run by the American Snuff Company (ASC). Established in 1883, it serves as a significant manufacturing site for ASC.

The Taylor Brothers facility spans 62.73 acres and includes two production buildings, a storage building, and a combined storage building and employee fitness center. Additionally, there is an onsite stormwater detention basin.

At the Taylor Brothers Stratford Road facility, processed tobacco is turned into various high-quality smokeless tobacco products. Water at the facility is primarily used for production, boilers, personnel facilities, cleaning, and sanitation.



1.1.1 FIGURE Site Location Map.jpg

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Summary of Shared Water Challenges

Summary of Shared Water Challenges

The shared water challenges were discussed with stakeholders for concurrence and to determine if additional challenges can be identified. The high-level challenges for RJRT challenges include:

- Urbanization/Population Growth & Increasing Water Demand:
- Protection of Environment, Water Quality and Biodiversity
- Climate Change
- Sustainable Agriculture Production
- Protection of Water Quality for Recreational Use

The revised shared water challenges based on site-specific information and stakeholder engagement listed per priorities include:

- Maintain good water quality within the catchment
- Improve water efficiency through site wide improvements
- Continue commitment to make sure growers engage in good agricultural practices (GAP)
- Active supporter of water stewardship initiatives in the watershed

Water quality is not recognized as a shared challenge among many stakeholder groups when assessing SWC. Based on water quality data from the Winston-Salem/Forsyth County Utilities and discussions with stakeholders, poor water quality is not considered a site-specific shared water challenge. It is considered a shared interest to preserve good water quality in the great watershed. Catchment water quality is monitored closely due to increasing demand, urbanization and industrial use.

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1	STEP 1: GATHER AND UNDERSTAND	
1.1	<i>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.</i>	
1.1.1	<i>The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:</i> - 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

Audit Number: AO-001668

Comment The site has identified and mapped its physical scope; water is supplied by the Winston-Salem/Forsyth County (WSFC) Utilities. The water sources, along with the associated treatment plants, wastewater treatment plant, and discharge facility to the receiving water, are all situated within the catchment area.

The Taylor Brothers facility, located at 2415 Stratford Road in Winston Salem, NC, is owned and operated by American Snuff Company (ASC). Spanning 62.73 acres, the site includes two production buildings, a storage building, and a combined storage building and employee fitness center. Additionally, there is an onsite stormwater detention basin. The site's water is supplied, and wastewater is treated by Winston-Salem/Forsyth County (WSFC) Utilities. The stormwater receiving body is the Kimel Branch. The Kimel Branch is tributary to Salem Creek, which is tributary to Muddy Creek in the Muddy Creek Catchment (HUC 03040101103).

The Taylor Brothers Stratford Road facility processes tobacco into a range of high-quality smokeless tobacco products. Water is primarily used for production, boilers, employee facilities, cleaning, and sanitation. The manufacturing process is outlined in the attached flowchart, "Taylor Brothers General Process Flow."

The Site has metering installed throughout their process, including in-coming potable water (Building 1 and Building 2), distribution of potable water within the facility, process water flow meters within the manufacturing areas, chillers, boilers and wastewater discharge. Currently, the site meters are disconnected from the SCADA system. During the facility's planned phase-out in 2024, the communication cable network for the meter system was removed, though all meters remain intact. Now that the facility will continue operations, ASC Taylor Brothers will reinstall the meter communication and data recording system.

Evidence:

- 1.3.2 TB Building 1 Layout Level 1&2 Metering-Model
1.3.2 TB Building 2 Layout Level 1&2 Metering-Model for meter locations.
1.1 Physical Scope Description
1.1.1 FIGURE Site Location Map
1.1.1 FIGURE Site Features Map FINAL
1.1.1 TB Site Plan Land Lines 1-21-2022-Model
1.1.1 TB Site Plan Layout H 1-21-2022-Model Building 1
1.1.1 TB Site Plan Layout H 1-21-2022-Model Building 2
1.1.1 TB Site Plan Layout H 1-21-2022-Overall
1.3.2 Taylor Brothers Process Flow
1.5.3 FIGURE Relevant Catchments Map

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

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

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Obs.

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Comment The site has identified its stakeholders and their water-related challenges. The site has created a stakeholder map that organizes stakeholders by both location and type, covering categories like industry, recreation, agriculture, wildlife, water providers, and treatment facilities.

The level of stakeholder engagement has been determined according to their interest and influence. There are not any indigenous groups in the catchment.

Evidence:

1.2.1 Stakeholder_Mapping

1.2.1 NC-Tribal-and-Urban-Communities-Map-2024

1.2.2 *Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.*



Yes

Comment The site has created a stakeholder map that organizes stakeholders by both location and type, covering categories like industry, recreation, agriculture, wildlife, water providers, and treatment facilities, including their degree of influence.

Evidence:

1.2_TB_Stakeholder_May 2025

1.2.1 Stakeholder_Mapping

1.3 *Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.*

1.3.1 *Existing water-related incident response plans shall be identified.*



Yes

Comment The site has identified the following water-related response plans:

Evidence:

1.3.1 ASC - Taylor Brothers Emergency Evacuation-Response Plan 2024

1.3.1 ASC Taylor Brothers Environmental Release Guidelines 6-21

1.3.1 2024 Stormwater No Exposure Certification Taylor Brothers

1.3.1 Taylor Brothers Emergency Evacuation Response Plan 2024

Spill Prevention, Control, and Countermeasure Plan (SPCC): oil spills

1.3.1 Forsyth County Water Quality Program Information (2024)

1.3.1 WSFC WTP Process Description

1.3.1 WSFC WWTP Process Description

2.4.1 CONFIDENTIAL_ASC_BCP_TaylorBrothers_12_10_2024_V8.1 (Business Continuity Plan)

2.4.1 CONFIDENTIAL_ASC_BIA_TaylorBrothers_12_10_2024_V8.1 (Business Impact Analysis)

1.3.2 *Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped*



closed

Comment The site has provided a general process flow and has water meters installed; however, data is currently not being collected. The site is lacking detailed water uses within the facility.

Finding No: TNR-019265

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

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Comment The site is lacking data on facility/production uses of water. The site will have monthly water supply data with annual variances once the water metering begins collecting water usage.
Finding No: TNR-019267

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

Comment The site's water source has been quantified, including both physical and chemical parameters, and it is legally compliant.

As the site holds a Non-Exposure Permit, stormwater testing is not required.

The site received a water quality award in recognition of its consistently excellent effluent water quality. Effluent data shows a stable trend, remaining below the threshold for testing parameters.

The water quality of receiving bodies is assessed by regional agencies, and this information has been provided. In the Muddy Creek Waterbody Report, the EPA detected an impact on aquatic life; however, the cause or source remains unknown.

Evidence:

1.3.4 Site Water Quality Narrative
1.3.4 2024 Water Quality Report-WSFC Utilities
1.3.4 EPA SDWIS Report_WSFC Drinking Water System_Updated 06.04.2025
1.3.4 Muddy Creek Waterbody Report
1.3.4 Yadkin River - PW Swann Waterbody Report
1.3.4 Yadkin River - RW Neilson Waterbody Report
1.3.4 Salem Lake - RA Thomas Waterbody Report

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

Comment The site identified and mapped the locations of potential pollution sources.

Evidence:

1.3.5 List of Stored Cleaning Chems and Maint Fluids
1.3.5 TB Site Plan Layout Chemical Storage

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

Comment The site has identified and provided descriptions of onsite IWRAs. No Indigenous groups or cultural values were identified, as confirmed through interviews with stakeholders. There is one detention pond and one discharge channel onsite.

Evidence:

1.3.6 FIGURE Onsite IWRAs Map FINAL
1.3.6 NC Tribal and Urban Communities Map 2021-Forsyth County
1.3.6 Onsite_IWRAs Narrative with Status

1.3.7 *Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.* 
Yes

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Comment	The site has identified and quantified water related costs for consulting, analytical, regulatory and stakeholder engagement. Additionally, the site has identified the water-related value.	
	Evidence: 1.3.7 Water Related Costs Spreadsheet TB	
1.3.8	<i>Levels of access and adequacy of WASH at the site shall be identified.</i>	 Yes
Comment	The site has mapped the onsite WASH facility. The site also provides free feminine hygiene products, along with water and an ice machine for all employees.	
	Evidence: 1.3.8 Taylor Bros OSHA WASH with onsite data	
1.4	<i>Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.</i>	
1.4.1	<i>The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.</i>	 closed
Comment	The site has not accounted for embedded water use within the catchment. The product is received as a finished product from outside the catchment, this needs to be confirmed.	
	Evidence: 1.4.1 Embedded Water Use Narrative	
		Finding No: TNR-019239
1.4.2	<i>The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.</i>	 closed
Comment	The site has identified an Outsourced service but have not quantified water use of vendors within the catchment.	
	Evidence: 1.4.2 Outsourced Vendors_Indirect Water	
		Finding No: TNR-019238
1.5	<i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i>	
1.5.1	<i>Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</i>	 Yes

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Comment	The site has identified the following water governance initiatives: EPA Federal Initiatives: Keeping Industrial Pollutants Out of the Nation's Waters Reducing Risks of Accidental Releases at Industrial and Chemical Facilities Cutting Hazardous Air Pollutants Reducing Air Pollution from the Largest Sources Ensuring Energy Extraction Activities Comply with Environmental Laws Keeping Raw Sewage and Contaminated Stormwater Out of the Nation's Waters Preventing Animal Waste from Contaminating Surface and Ground Water Local Initiatives: Winston Salem Forsyth 2022-2025 Strategic Plan The initiatives are meant to keep direct and non-point source pollution out of the waterways and air borne pollutions that ultimately end up in the waterways. Evidence: 1.5.1 Water_Governance 1.5.1 Winston Salem Forsyth 2022-2025 Strategic Plan	
1.5.2	<i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i>	 Yes
Comment	The site has identified key legal and regulatory requirements related to water. The Water Governance document provides an overview of the federal and state requirements for water governance. Evidence: 2.2.1 EF-02A RJRT Env Legal and Other Requirements (07-07-2025) https://echo.epa.gov/detailed-facility-report?fid=110001477526	
1.5.3	<i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i>	 Yes
Comment	The site has quantified the water balance within the catchment. There is a net positive water balance for the catchment (Model my watershed. Based on 30-year data collection). Evidence: 1.5.3 ASC_Taylor Bros_Catchment_Water_Balance 2025 1.5.3 FIGURE Relevant Catchments Map 1.5.3 Mapshed Hydrology 2025	
1.5.4	<i>Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.</i>	 Yes

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Comment	The catchment area's water quality has been assessed, covering physical, biological, and chemical parameters. Details of the water quality within the catchment can be found in the Water Quality Report from WSFC Utilities and the SWAP Report for Winston-Salem. The water quality in the catchment is currently listed as good. Water-related initiatives aim to maintain good water quality as the areas of pollution grow and put additional pressure on regional water quality. Evidence: 1.5.4 Catchment Water Quality Narrative-2025. 1.5.4 SWAP Report for Winston-Salem 1.5.4 Catchment Water Quality Narrative 1.5.4 SWAP Report for WINSTON-SALEM, CITY OF 1.3.4 2024 Water Quality Report-WSFC Utilities 1.3.4 EPA SDWIS Report_WSFC Drinking Water System 1.3.4 Muddy Creek Waterbody Report 1.3.4 Yadkin River - PW Swann Waterbody Report 1.3.4 Yadkin River - RW Neilson Waterbody Report 1.3.4 Salem Lake - RA Thomas Waterbody Report	
1.5.5	<i>Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.</i>	 Yes
Comment	The site has identified, mapped and assessed the status of the catchments IWRAs. The main catchment IWRAs are Muddy Creek and the Little Yadkin River-Yadkin River and Reedy Creek-Yadkin River. Forsynth County Soil and Water Conservation District identify the catchment IRWAs and conducts assessments. Evidence: 1.5.5 Catchment IWRA Status 2025 1.5.5 FIGURE Catchment IWRA Locations Map	
1.5.6	<i>Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</i>	 Yes
Comment	The site has identified the existing water-related infrastructure in the catchment, assessing its condition, future planning, climate change impacts on water, and resilience strategies. Evidence: 1.5.6 Water Related Infrastructure Narrative 1.5.6 Future Water Resources Planning Scenarios_YPD WMG_2020 1.5.6 NC Climate Risk Assessment and Resilience Plan 2020 1.5.6 NC-Climate-Science-Report_Plain_Language_Summary_Final_Sept2020 1.5.6 NorthCarolina-StateClimateSummary2022	
1.5.7	<i>The adequacy of available WASH services within the catchment shall be identified.</i>	 Yes
Comment	The site has identified and mapped the WASH in the catchment, this was confirmed during the stakeholder interviews, all locations in the catchment have access to water and sanitary. Evidence: 1.5.7 Water Regulatory Risk Aqueduct Map 1.5.7 Adequacy of WASH Services in Catchment Summary 1.5.7 WWF Risk Filter WASH Infrastructure map 1.5.7 WaterRiskFilter_Methodology	

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1.6	<i>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</i>	
1.6.1	<i>Shared water challenges shall be identified and prioritized from the information gathered.</i>	 Yes
Comment	The site has identified shared water challenges within the catchment, which have been prioritized in collaboration with stakeholders. These challenges are outlined in detail in the Water Challenges section of this report, aligning with the AWS Outcomes. Evidence: 1.6, 1.7 Shared Water Challenges Risks and Opps WP r (1) 1.6_Water_Challenges 2.3.2_TB_Extended WSP and Evaluate1	
1.6.2	<i>Initiatives to address shared water challenges shall be identified.</i>	 Yes
Comment	The site has identified initiatives to address the shared water challenges. Including water initiatives with farmers around irrigation, Good Agricultural Practice (GAP) Program engagement, Biodiversity and Governance. Evidence: 2.3.2_TB_Extended WSP and Evaluate1 1.6.2 Initiatives.	
1.7	<i>Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.</i>	
1.7.1	<i>Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.</i>	 Yes
Comment	The site has identified and prioritized water risks: The probability and seriousness of impact within a given timeframe, along with associated costs and business consequences. Evidence: 2.3.2_TB_Extended WSP and Evaluate1: 1.7 - SITE WATER RISKS AND OPPORTUNITIES	
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	The site has identified and prioritized water-related opportunities, such as: improve water quality and watershed stewardship, assessing recycling and rainwater harvesting practices to minimize reliance on municipal infrastructure. Evidence: 2.3.2_TB_Extended WSP and Evaluate1: 1.7.2 - Site Water-Related Opportunities.	
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

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Comment	The site has highlighted the best practices for water governance in the catchment. The site is actively collaborating with watershed authorities, including its water and wastewater utility supplier. It is also part of the Stakeholder Advisory Board for the Yadkin Pee-Dee Water Management Group and the Integrated Water Resources Plan for the High Rock Lake Watershed working group. The Water Management Group has created the Water Resources Plan to continuously improve state regulations for better watershed management, particularly regarding quality.	
	Evidence: 1.8 ASC TB Best Practices	
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	The site identified the following relevant sector and catchment best practices for water balance: The site utilizes the CR360 system to monitor water use, intensity of use and total water discharged: training workers on how to improve water efficiency and installing water efficient fitting throughout the facility.	
	Evidence:	
	1.8 ASC TB Best Practices-1.8.2 - Relevant sector and/or catchment best practice for water balance shall be identified.	
1.8.3	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	Yes
Comment	The site identified the following as relevant sector and/or catchment best practices for water quality. The condensate from onsite boilers used in the production process is recycled and reused as make-up water for the boilers, effectively removing the need for wastewater disposal.	
	Evidence: 1.8.3 - Relevant sector and/or catchment best practice for water quality shall be identified.	
1.8.4	<i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i>	Yes
Comment	The site identified the following catchment best practice for catchment maintenance of Important Water-Related Areas:	
	Establish buffer strips between facility and run-off; regular monitor program to observe any changes or impacts on an IWRA, support a project with an NGO to restore and improve an IWRA.	
	Evidence: 1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified	
1.8.5	<i>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</i>	Yes
Comment	The site has outlined the following sector and catchment best practices for the provision of equitable and adequate WASH:	
	Drinking water is available in the break rooms and cafeteria for employees, and during hot weather, steps are taken in production areas to ensure everyone stays hydrated. The facility also features high-quality restrooms for men and women, gender-specific showers in the LiveWell Fitness Center, free feminine hygiene products, and private spaces for nursing mothers.	
	Evidence: 1.8.5 - Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified	

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2	STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	<i>Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</i>	
2.1.1	<i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i> - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard.	 Yes
Comment	A signed commitment to water stewardship by the Site Manager has been identified and is available on a publicly accessible website. Evidence: 2.1.1 Leadership Commitment Signed 2.1.1 Leadership Commitment ASC Taylor Bros Stakeholder Announcement & Leadership Commitment Website Snapshots 2.1 EHS_PolicyOutcomesofAWS	
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>	
2.2.1	<i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i> - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies.	 Yes
Comment	The site has identified their compliance obligation for water and wastewater management via their Intelix database system. The site provided a spreadsheet detailing all water-related compliance obligations. It specifies the obligations, assigns responsible individuals, and describes the procedure for reporting to regulatory bodies, information on the Spill Prevention, Control, and Countermeasure Plan (SPCC), indicator 1.3.1. Evidence: 2.2.1 EF-02A RJRT Env Legal and Other Requirements (07-07-2025) 2.2.1 Intelix	
2.3	<i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i>	
2.3.1	<i>A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</i>	 Yes

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Comment The site has developed a water strategy that aligns its mission, vision, and goals with the AWS Standard.

Evidence:
2.3.1 BAT EHS Standard C11-Group Water Standard

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.



closed

Comment The site has unveiled its Water Stewardship Plan, outlining targets that align with the AWS outcomes. Includes: Shared Water Challenge; Description of identified SWC; Target; Action ID; Action(s); Metrics; Measurement/Monitoring Systems; Anticipated Cost to Implement (Budget); Anticipated Start Date Anticipated Completion Date or On-Going Compliance; Best Practices Addressed; Planned AWS Outcomes to be Addressed; Responsible Personnel

However, the site's Water Stewardship Plan lacks baseline water reduction targets, and some goals are not SMART. Additionally, some of the metrics are not measurable—for example, proactive involvement.

Evidence:

2.3.2_TB_Extended WSP and Evaluate1

Finding No: TNR-019788

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 has created plans, in collaboration with the appropriate public sector, to address and adapt to water risks in alignment with indicator 1.7.1. Their Business Continuity Plan addresses failure scenarios, including water interruptions, power outages, and community response measures.

Evidence:

2.4.1 Communication with WSFC Utility RE Infrastructure

2.4.1 Winston-Salem, NC Water and Sewerage System Policy Resolutions-page 42: Water shortage stages and conservation measures

2.4.1 Business Continuity Plan: Reviewed; Confidential: Not attached.

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3 STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts	
3.1	Implement plan to participate positively in catchment governance.
3.1.1	Evidence that the site has supported good catchment governance shall be identified. ✓ Yes
Comment	The site supports effective catchment governance through their support and participation with the YPDWMG Stakeholder Advisory Committee & Forsyth LEPC. Evidence: 3.1.1 2024 KWSB Cleanups 3.1.1 Forsyth LEPC 6May2025 Local Emergency Planning Committee 3.1.1 FutureWaterResourcesPlanningScenarios_YPDWMG 3.1.1 YPDWMG Stakeholder Advisory Committee Meeting #8 3.1.1 WSFC Utilities Industry Day 2024
3.1.2	Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented. ✓ Yes
Comment	There are no water rights beyond the legal and regulatory requirements this was confirmed in the stakeholders' interviews. The site has confirmed they do not infringe on indigenous communities' water rights, NC Tribal and Urban Communities Map 2021. Evidence: 1.3.6 NC Tribal and Urban Communities Map 2021 & Stakeholder Interviews.
3.2	Implement system to comply with water-related legal and regulatory requirements and respect water rights.
3.2.1	A process to verify full legal and regulatory compliance shall be implemented. ✓ Yes
Comment	Refer to evidence provided for indicator 2.3.1 & 1.5.1, confirms full legal and regulatory compliance has been implemented. Evidence: 3.2.1 EF-02A RJRT Env Legal and Other Requirements (09-18-2024) 2.3.1 BAT EHS Standard C11-Group Water Standard 3.2.1 2019 WSFCU Sewer Use Resolution 3.2.1 2022 Approval Letter from Freeman WSFC Utilities on TB Wash water 3.2.1 Tobaccoville and Taylor Brothers Wastewater Compliance (2022-02-22)
3.2.2	Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented. ✓ Yes
Comment	The site does not have water rights as part of its legal or regulatory obligations.
3.3	Implement plan to achieve site water balance targets.
3.3.1	Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified. ✓ closed
Comment	The site has water metering sensors installed however they are not current. The work is still in progress, requires budgeting approval.

Finding No: TNR-019240

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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 has not identified water scarcity as a shared water challenge; the catchment is in a net positive water balance and water scarcity was not identified by the stakeholders as a shared water challenge. Evidence submitted in 1.5.3 ASC_Taylor Bros_Catchment_Water_Balance 2025	
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	The site does not have a legally binding agreement for reallocating water to address social, cultural, and environmental needs.	
3.4	<i>Implement plan to achieve site water quality targets</i>	
3.4.1	<i>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</i>	 Yes
Comment	There are no specific targets for improvement of wastewater, as they are well below the threshold of the parameters for effluents pre-treatment and stormwater. Below are programs to improve overall stormwater runoff. Water quality trending is stable as production has relocated and the water quality results are stable, this will be confirmed at the next audit. In the Muddy Creek Waterbody Report, the EPA has detected an impact on aquatic life, but the cause or source remains unknown. Action Plan: Coordinate with Yadkin Riverkeeper to organize a cleanup of Muddy Creek, the ultimate receiving body. Evidence: 3.4.1 Taylor Brothers TSS DATA 2024 3.4.1 Taylor Brothers Jan 2023 to October 2024 3.4.1 RE_ [EXTERNAL] Request for TSS Summary Report for ASC-Taylor Brothers 3.4.1 RE_ [EXTERNAL] Request for Taylor Brothers Compliance Summary 2024 1.3.4 Muddy Creek Waterbody Report 4.3.1 Call Notes_10.7.2024_Edgar Miller-Yadkin RiverKeeper.	
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 site supplied a water quality award for ongoing excellent effluent water quality. Site water quality effluent data shows a stable trend below the testing parameter threshold. Evidence: 3.4.1 RE_ [EXTERNAL] Request for Taylor Brothers Compliance Summary 2024 3.4.1 Taylor Brothers Jan 2023 to October 2024 3.4.1 RE_ [EXTERNAL] Request for TSS Summary Report for ASC-Taylor Brothers 3.4.1 Taylor Brothers TSS DATA 2024 2.3.2_Taylor Bros_Extended WSP and Evaluate 5.5.2 TBSW-0001 Quarterly Stormwater Visual Inspection Form	
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	The site has a stormwater retention pond that is well maintained but rarely has standing water. The site is supporting catchment IWRAs with the following initiatives: The Yadkin Riverkeeper Business Sponsorship demonstrates support for the stakeholders involved in improving catchment IWRAs. The site has established a buffer strip between the facility and run-off buffer areas are maintained adjacent to Kimmel Branch and the retention pond (onsite IWRAs) at the Taylor Brothers Facility. Evidence: 3.5.1 Email from Walter-Sponsorships 2024-2025 and Update on Gateway Nature Preserve 3.1.1 2024 KWSB Cleanups 3.1.1 2024 Reynolds & KWSB Cleanups 3.1.1 Forsyth LEPC 6May2025 3.1.1 FutureWaterResourcesPlanningScenarios_YPDWMG 3.1.1 LEPC Meeting Presentation May 6th, 2025 3.1.1 WSFC Utilities Industry Day 2024 3.1.1 WSFC Wastewater Plant Tour Invite 2025 3.1.1 YPDWMG Advisory Committee Question 07.23.2025 3.1.1 YPDWMG Stakeholder Advisory Committee Meeting #8 3.1.1 YPDWMG_SACUpdate_2023.03.21	
3.6	<i>Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.</i>	
3.6.1	<i>Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.</i>	 Yes
Comment	The site has adequate access to safe drinking water, effective sanitation, and feminine hygiene (WASH), and ice for all workers onsite has been identified and quantified. Potable water, functional toilets, and showers are available on-site, as confirmed during the tour. Evidence: 3.6.1 HR Policy Handbook-page	
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	The site neither takes water directly from natural sources nor discharges wastewater back into them. The site does not violate the community's right to clean water and sanitation. The environmental justice screening tool in ECHO shows no issues. Evidence: 1.3.1 Forsyth County Water Quality Program Information (2024) 1.3.6 Onsite_IWRAs Narrative with Status (narrative describes lack of indigenous communities in Forsyth County) 1.3.6 NC-Tribal-and-Urban-Communities-Map-2021 1.5.1 Water_Governance 5.5.3 EJScreen Community Report 03.25.2025	
3.7	<i>Implement plan to maintain or improve indirect water use within the catchment:</i>	
3.7.1	<i>Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.</i>	 Obs.
Comment	The site receives finished products, the WSP does not include any targets for indirect water use.	

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3.7.2	<i>Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.</i>	 closed
Comment	The site is lacking communication with suppliers and service providers on indirect water use. Finding No: TNR-019245	
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	The site has supplied evidence of engagement with key owners of the shared water-related infrastructure. Evidence: 1.5.6 Water Related Infrastructure Narrative 1.5.6 2020-Climate-Risk-Assessment-and-Resilience-Plan 1.5.6 City of Winston-Salem - Sewer Use Resolution 1.5.6 Future Water Resources Planning Scenarios_YPD WMG_2020 1.5.6 NorthCarolina-StateClimateSummary2022 2.4.1 Communication with WSFC Utility RE Infrastructure 2.4.1 Winston-Salem, NC Water and Sewerage System Policy Resolutions (Water Conservation Policy) 2.4.1 CONFIDENTIAL_ASC_BCP_TaylorBrothers_12_10_2024_V8.1 (Business Continuity Plan) 2.4.1 CONFIDENTIAL_ASC_BIA_TaylorBrothers_12_10_2024_V8.1 (Business Impact Analysis)	
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	The site is engaged in best practice for catchment water governance. The Reynolds_Sustainability-2024 document details the implemented governance actions. The site collaborates with various stakeholders on catchment governance, such as the YPDWMG Stakeholder Advisory Committee, and Forsyth LEPC. Evidence submitted in: 3.1.1 YPDWMG Advisory Committee Question 07.23.2025 3.1.1 LEPC Meeting Presentation May 6th, 2025 3.1.1 FutureWaterResourcesPlanningScenarios_YPDWMG 3.1.1 Forsyth LEPC 6May2025 3.9.1 Reynolds_Sustainability-2024	
3.9.2	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 closed

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Comment The site has not taken steps to adopt best practices aimed at meeting water balance targets.

Evidence submitted in:

1.8 ASC TB Best Practices
3.9.1 Reynolds_Sustainability_Summary_2024
1.3.2 Water Intensity_PROD 2024
1.3.2 TB Building 2 Layout Level 1&2 Metering-Model
1.3.2 TB Building 1 Layout Level 1&2 Metering-Model
1.3.2 OPS.P - KPI Details 2024-2025
1.3.2 Green Impact Analytics 2.0 (GIA 2.0) 2024
1.3.2 Detailed Summary Water_PROD 2024
1.3.2 2024 TB Water KPI Analytics
1.3.2 2024 Annual Precipitation Data_NOAA Station WS

Finding No: TNR-019310

3.9.3 *Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.*


Yes

Comment The site has criteria that encompasses system design, water treatment, maintenance, social water usage, process water, utility water, and discharge water. The site is part of the Increased Wastewater Quality Requirements as put forward in the Future Water Resources Planning Scenarios Plan.

Evidence:

3.1.1 FutureWaterResourcesPlanningScenarios_YPDWMG
3.1.1 2024 Reynolds & KWSB Cleanups
3.1.1 YPDWMG Stakeholder Advisory Committee Meeting #8
3.1.1 YPDWMG_SACUpdate_2023.03.21
3.1.1 YPDWMG Advisory Committee Question 07.23.2025

3.9.4 *Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.*


Yes

Comment The site provides support for site and catchment (IWRAs) through various programs. Onsite stormwater retention bodies inspection and maintenance and catchment cleanup programs.

Evidence:

1.8 TVL Best Practices:1.8.4 - Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified
5.5.2 New Quarterly Stormwater Inspection Form
5.5.2 TBSW-0001 Quarterly Stormwater Visual Inspection Form

3.9.5 *Actions towards achieving best practice related to targets in terms of WASH shall be implemented.*


Yes

Comment The site has implemented the suggested best practices to ensure fair and sufficient WASH services. The site's WASH facilities exceed the requirements set by OSHA standards. Additionally, the facility provides sanitary products to all female employees.

Evidence:

1.3.8 Taylor Bros OSHA WASH with onsite data (document created with site data for water closets and employee counts)
5.5.3 EJScreen Community Report 03.25.2025
5.5.3 Detailed Facility Report_ECHO_US EPA Taylor Bros 03.25.2025

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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	The site's performance against the targets in its water stewardship plan has been evaluated, along with its role in contributing to water stewardship outcomes. The site's Water Stewardship Plan includes metrics to evaluate each item, performance records against targets, progress assessments, and links to water stewardship outcomes. However, some of the targets in the Water Stewardship Plan lack defined metrics, which makes evaluation difficult. Evidence: 2.3.2_TB_Extended WSP and Evaluate: 4.1 Evaluate
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>
Comment	The benefits generated by the site's water stewardship plan have been evaluated. Evidence: 2.3.2_TB_Extended WSP and Evaluate: 4.1 Evaluate
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>
Comment	The shared value benefits of the site within the catchment area have been identified. Evidence: 2.3.2_TB_Extended WSP and Evaluate: 4.1 Evaluate
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	The site was issued a Notice of Stormwater Control Structure Failure from the City of Winston Salem, Concerning erosion near the entry point of the stormwater retention pond. NOV tracker details the description of the violations and Description of Corrective action: Implementation of a new Quarterly Stormwater Inspection Form. Issue has been Closed out: 2025-4-24 SW Signed Completion letter_RipRap. Evidence: EHCO 2.2.1 EF-02A RJRT Env Legal and Other Requirements (07-07-2025)-NOV Tracker 5.5.1 3-14-2025 TB Notice of Stormwater Control Structure Failure 5.5.2 2025-4-24 SW Signed Completion letter_RipRap 5.5.2 New Quarterly Stormwater Inspection Form

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Table with 3 columns: ID, Description, and Status. Row 1: 4.3 Evaluate stakeholders' consultation feedback... Status: Yes. Row 2: 4.3.1 Consultation efforts with stakeholders... Status: Yes. Row 3: 4.4 Evaluate and update the site's water stewardship plan... Status: Obs. Row 4: 4.4.1 The site's water stewardship plan shall be modified... Status: Obs.

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5STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.
5.1.1	The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.
Comment	The AWS Disclosure Email and presentation include a section outlining the responsibilities for various aspects of delivering the AWS scheme. The Environmental Compliance Team ensures that water-related laws and regulations are followed. Water-related issues at the site are handled through a comprehensive system that includes permit limits and guidelines for stormwater and wastewater, along with detailed internal plans like the Spill Prevention Control and Countermeasure (SPCC). Evidence: 5.4.2 ECT-Overview Sust Week 5.1 ASC_Taylor Brothers_AWS_Overview_2025 5.1 AWS ASC Taylor Brothers - Disclosure 2024
5.2	Communicate the water stewardship plan with relevant stakeholders.
5.2.1	The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.
Comment	The AWS Annual Disclosure emails, outlining the five AWS outcomes and the site's water stewardship goals and progress, have been shared with all stakeholders. Evidence: 5.1 ASC_Taylor Brothers_AWS_Overview_2025 5.1 AWS ASC Taylor Brothers - Disclosure 2024 5.2 AWS_Stakeholder_Disclosure_Summary_Joel Freeman_2025
5.3	Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.
5.3.1	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.
Comment	The AWS Annual Disclosure emails have been distributed to the stakeholders. The emails summarize the site's water stewardship results, highlighting measurable achievements against established targets. Submitted in 5.1 ASC_Taylor Brothers_AWS_Overview_2025 5.1 AWS ASC Taylor Brothers - Disclosure 2024 5.2 AWS_Stakeholder_Disclosure_Summary_Michael Lawyer_2025
5.4	Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.

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5.4.1	<i>The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.</i>	 Yes
Comment	The site has presented their AWS Annual Overview and Disclosure to relevant stakeholders. Communication regarding shared water challenges have been disclosed to their stakeholders. Evidence submitted in 5.1 ASC_Taylor Brothers_AWS_Overview_2025 5.1 AWS ASC Taylor Brothers - Disclosure 2024	
5.4.2	<i>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.</i>	 Yes
Comment	The stakeholder interviews confirmed the sites engagement efforts. The sites engagement with stakeholders are outlined below. The site hosted AWS presentations for external stakeholders during their Sustainability Week. Evidence: 5.4.2 ECT-Overview Sust Week 5.4.2 ECT-External Stakeholder Sust Week 5.4.2 List of Vendors Names Sustainability Week 4-23 1	
5.5	<i>Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.</i>	
5.5.1	<i>Any site water-related compliance violations and associated corrections shall be disclosed.</i>	 Yes
Comment	The site has disclosed the violations to their AWS ASC Taylor Brothers - Disclosure 2024. Evidence: 5.1 ASC_Taylor Brothers_AWS_Overview_2025 5.1 AWS ASC Taylor Brothers - Disclosure 2024	
5.5.2	<i>Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.</i>	 Yes
Comment	The site has a detailed description of corrective actions causes of the violation and preventative measure. Evidence: 5.5.2 OB Email about completion of repair to rip rap at TB for Stormwater Structure Failure 2025 5.5.2 UPDATE RE_ ASC Taylor Brothers- Response to Notice of Stormwater Control Structure Failure 2025 5.5.2 CLOSEOUT Re_ ASC Taylor Brothers- Response to Notice of Stormwater Control Structure Failure 2025 5.5.2 2024-3-21 SW Signed Completion letter_Vegetation 5.5.2 2024-4-24 SW Signed Completion letter_RipRap 5.5.2 4-24-2025 TB Stormwater Failure Signed Completion Letter 5.5.2 New Quarterly Stormwater Inspection Form 5.5.2 TBSW-0001 Quarterly Stormwater Visual Inspection Form 5.5.2 Taylor Brothers Wastewater Ethyl Incident 5.5.2 Taylor Brothers Wastewater 5.5.2 RE_ Ethyl Salicylate Allowed Discharge Also refer to 5.5.3	

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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

The site experienced no water-related violations that posed significant risks to human or ecosystem health during the 2024-2025 period.

5.5.3 Detailed Facility Report_ECHO_US EPA Taylor Brothers 03.25.2025

5.5.3 EJScreen Community Report 03.25.2025

2.2.1 EF-02A RJRT Env Legal and Other Requirements (07-07-2025) (NOV Worksheet)

Previous Findings

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


N/A

Comment

Initial Certification Audit.