

**Client Name:** Tyson Fresh Meats, Inc. - Finney County Plant  
**AWS Registration Number:** AWS-000315  
**Client Representative:** Brittany Craig, Sustainability Associate  
**Audit Team:** Jillian Olsen/Lead Auditor  
 Shana Golden/Team Auditor  
**Audit Dates:** March 30-31, 2021  
**Stakeholder Notification:** SCS and AWS Websites, Local Newspaper, 3/25/2021  
**Site Location:** 3105 North IBP Road, Holcomb, KS 67851  
**Report Date:** May 3, 2021

**Standard:** AWS International Water Stewardship Standard - Version 2.0, March 22, 2019

Audit Type	<input type="checkbox"/> Gap Analysis <input type="checkbox"/> Pre-assessment	<input checked="" type="checkbox"/> Initial Certification	<input type="checkbox"/> Surveillance <input type="checkbox"/> Recertification
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Level of Certification	<input checked="" type="checkbox"/> Core	<input type="checkbox"/> Gold	<input type="checkbox"/> Platinum
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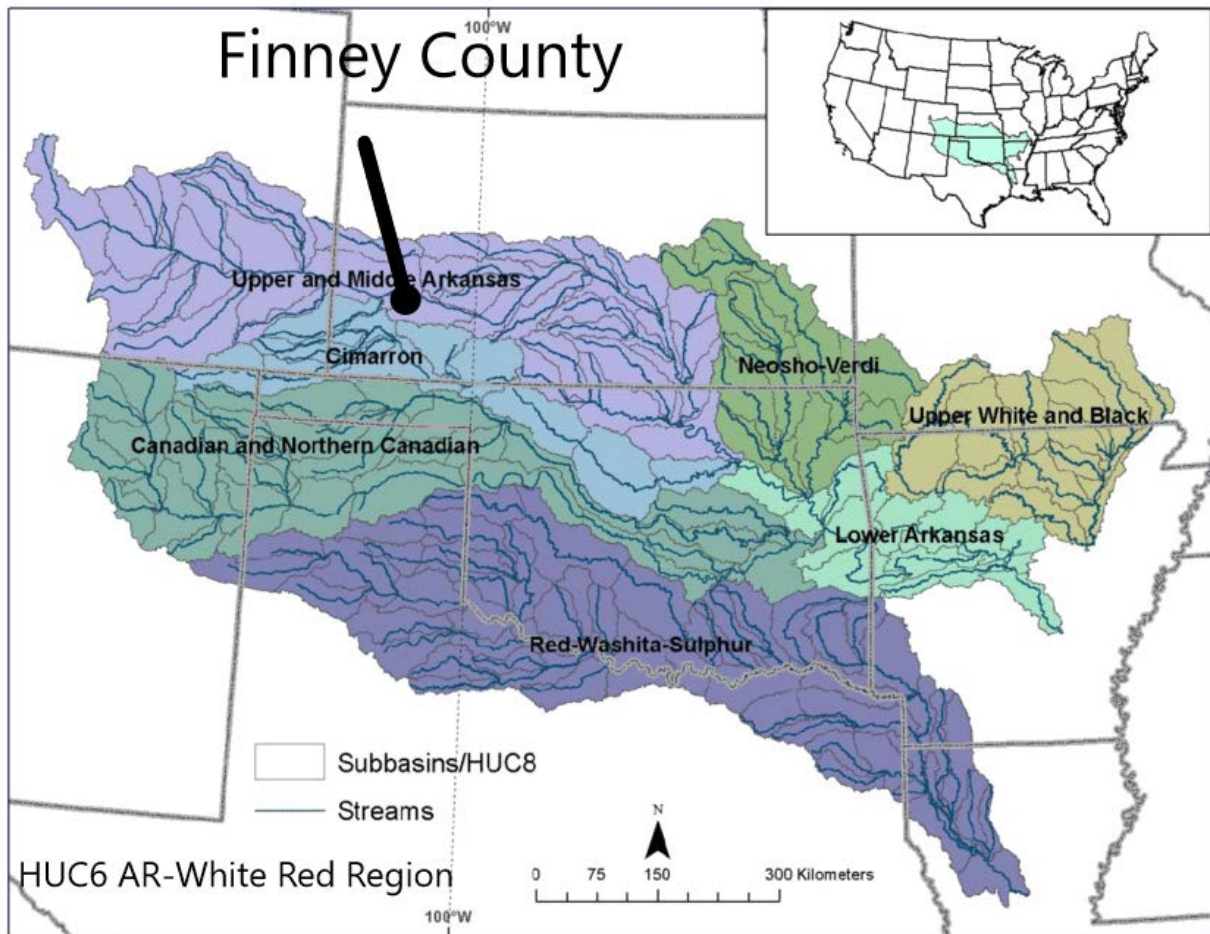
## Site Information

### Site Description

The Tyson Finney County Plant (Finney Plant) is a harvest, processing, rendering, and hides/tannery facility for beef cattle. Plant processes include harvesting beef cattle and processing beef into a variety of cuts and trims. Finney also produces and supplies trim/product for numerous other Tyson facilities that do not harvest live beef. Everything that is not harvested or processed is rendered into edible and inedible rendering products. Inedible rendering consists of numerous products as well as pet food. Within the hides and tannery side of the facility, hides are produced. Hides consist of chrome tanned hides, blue hides and cured hides. Wheatland Electric provides water for the production processes at the Finney Co Complex. Wastewater from the production process is treated onsite through four (4) anaerobic lagoons. Once treated, the wastewater is directed to two (2) holding ponds for use in crop land irrigation. A service center (PBX), cold storage, and administrative offices are also located at the Finney Co Complex.

### Catchment Description

The Finney Plant is located in the Hydrologic Unit Code 8 (HUC-8) Middle Arkansas - Lake McKinney #11030001. The catchment is approximately 2,303.5 miles spanning from the town of Garden City, Kansas to Eastern Colorado. The catchment includes the primary water sources (Wheatland Electric, which pumps water from the High Plains Aquifer commonly known as the Ogallala Formation) and the discharge recipient (onsite treatment lagoons and holding ponds, agricultural irrigation fields that receive treated wastewater). Wheatland Electric supplies freshwater to the Finney Co Plant from the “south wellfield” located in the sandhills south of the Finney Co Plant and from the “north wellfield”, which is directly transferred from the Wheatland Electric Water Treatment Plant.



### Shared Water Challenges

Shared water challenges are catchment water-related issues shared by the site and stakeholders. Stakeholder engagement was documented, and auditor interviews confirmed the topics of engagement. Primary water-related risks to the site include water quantity (availability and scarcity) and quality (salinity and nitrate leaching). A prioritized list of shared water challenges addressing the outcomes was provided.

Shared water challenges were addressed through stakeholder engagement, including scheduled meetings with: Wheatland Electric to understand issues and opportunities for improvement, agricultural suppliers and internal farm manager to discuss water stewardship actions, and other local stakeholders as part of the regional Sustainability Summit to share water stewardship practices, and engage on additional opportunities for shared improvement.

### Audit Attendees

Participant/Title	Opening Meeting	Document Review	Site Inspection	Closing Meeting
Team Leader Environmental	X	X	X	X
Sustainability Associate	X	X	X	X
Facility Environmental	X		X	X
<p><b>Supporting Documentation:</b></p> <p>The Finney Plant provided documentation using SharePoint file share to support conformity with the AWS Standard v2.0 including: Stakeholder Outreach Log, Finney Co Water Schematic, Finney Co Wastewater Treatment related maps, Catchment Water Balance, Site Water Balance and Water Stewardship Plan. The Water Stewardship Plan is a working document which is continually updated with information regarding how shared water challenges are being addressed including progress, performance evaluation and stakeholder feedback. Other supporting documentation were also provided as evidence.</p>				

### Summary of Findings

Step	Major	Minor	Observations	Advanced Criteria Total Points
1. Gather & Understand		2		
2. Commit & Plan			1	
3. Implement				
4. Evaluate		1		
5. Communicate & Disclose				
TOTAL	0	3	1	n/a

### Audit Non-conformities and Observations

Non-Conformity (Major or Minor) or Observation	Citation	Criteria/ Indicator	Due Date	Detail and Corrective Action
Observation	OBS 2021.1	2.3.2	NR	To improve clarity in the Water Stewardship Plan, consider eliminating references to “see above” or “refer to line X”. <b>Root Cause Analysis and Corrective Action</b> Not required for observations.
Minor	MN 2021.1	1.7.1	Closed	The relative likelihood (low/med/high) and severity of impact (low/med/high) with a relative timeframe (immediate vs. long-term) was provided; however, the relative indicators were not defined to provide adequate information to fully meet the criteria. <b>Response</b> During the review process Tyson provided revised documentation for Criteria 1.7.1. Likelihood, severity of impact, and timeframe were quantified in the revised documentation as a “key” and determined to meet the intent of the criteria and AWS Standard.
Minor	MN 2021.2	1.7.2	Closed	The relative priority of each opportunity (low/med/high) with a relative timeframe to implement (immediate vs. long-term) was provided; however, the relative indicators were not defined to provide adequate information to fully meet the criteria (i.e. opportunities were not prioritized). <b>Response</b> During the review process Tyson provided revised documentation for Criteria 1.7.2. Priority ranking for each opportunity and timeframe were quantified in the revised documentation as a “key” and determined to meet the intent of the criteria and AWS Standard.

Minor	OBS 2021.3	4.1.1	Closed	The Water Stewardship Plan does not include risk evaluation.
				<b>Response</b> During the review process Tyson provided updated information under Criteria 1.7.1 and 1.7.2 with linkage to the WSP. Information provided in the updated documentation conforms with the intent of the risk evaluation and therefore meets the intent of the criteria and AWS standard.

### Certification Decision

<i>Auditor's recommendation for initial, continued or re-certification based on compliance with requirements:</i>	x	Recommended
		Not Recommended
<i>Level of Certification recommended</i>	X	AWS Core
		AWS Gold
		AWS Platinum
<i>SCS Certification Decision:</i>		Approved
		Denied
<i>Certification Decision by:</i>		
<i>Technical Review by:</i>		
<i>Date of Decision:</i>		May 11, 2021
<i>Surveillance Schedule:</i>		Next audit is scheduled for:  March 2022 to September 2022  18 Month Surveillance will be Recommended

**AWS International Water Stewardship Standard, Version 2.0, March 22, 2019**

*Surveillance audits shall cover at a minimum those requirements highlighted in light green.*

**STEP 1: Gather and Understand**

Criteria	Indicator	Yes	No	NA	Objective Evidence/Finding	Points
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 <b>mapped</b> , considering the regulatory landscape and zone of stakeholder interests, including: <ul style="list-style-type: none"> <li>- Site boundaries;</li> <li>- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;</li> <li>- Any water sources providing water to the site that are owned or managed by the site or its parent organization;</li> <li>- Water service provider (if applicable) and its ultimate water source;</li> <li>- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;</li> <li>- Catchment(s) that the site affect(s) and is reliant upon for water.</li> </ul>	Yes			<p>The Finney Plant is located in Holcomb, Kansas. The Site consists of a harvest, processing, rendering, and hides/tannery facility for beef cattle and is surrounded primarily by agricultural land. The plant receives water from the Wheatland Electric Water Company system, which includes groundwater wells from the “south wellfield” located in the sandhills south of the Finney Co Plant and from the “north wellfield”, which is directly transferred from the Wheatland Electric Water Treatment Plant. Water from the “north wellfield” is primarily used in the plant for processing operations; water from the “south wellfield” is used in the irrigation operations of the cropland managed by the facility.</p> <p>The water-related infrastructure at the factory was mapped to include: the layout of the production lines, the incoming municipal water supply line, sanitary sewer discharge, stormwater discharge, and industrial discharge. The plant’s process wastewater (effluent) and stormwater are sent to the onsite wastewater treatment facility, which consists of four (4) anaerobic lagoons and two (2) treated effluent holding ponds located three (3) miles south of the main facility. Wastewater is transferred by three (3) electric lift pumps. The facility does not use chemicals or store sludge from the dissolved air floatation (DAF) system as part of the wastewater treatment process. Wastewater effluent is treated and discharged in accordance with the requirements of the facility’s wastewater permit for land application of irrigation water.</p> <p>The Tyson Finney Co. Catchment is located in the Middle Arkansas- Lake McKinney #11030001 (HUC-8). The catchment is approximately 2,303.5 miles spanning from the town of Garden City, Kansas to Eastern Colorado. The catchment includes the primary water sources (Wheatland Electric, which pumps water from the High Plains Aquifer commonly known as the Ogallala Formation) and the discharge recipient (onsite treatment lagoons</p>	

					and holding ponds, agricultural irrigation fields that receive treated wastewater. Wheatland Electric supplies freshwater to the Finney Co Plant from the “south wellfield” located in the sandhills south of the Finney Co Plant and from the “north wellfield”, which is directly transferred from the Wheatland Electric Water Treatment Plant. The catchment area is defined and mapped.	
1.2 Understand relevant stakeholders, their water related challenges, and the site’s ability to influence beyond its boundaries.	<p>1.2.1 Stakeholders and their water-related challenges shall be <b>identified</b>. The process used for stakeholder identification shall be <b>identified</b>.</p> <p>This process shall:</p> <ul style="list-style-type: none"> <li>- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;</li> <li>- Consider the physical scope identified, including stakeholders, representative of the site’s ultimate water source and ultimate receiving water body or bodies;</li> <li>- Provide evidence of stakeholder consultation on water-related interests and challenges;</li> <li>- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;</li> <li>- Identify the degree of stakeholder engagement based on their level of interest and influence.</li> </ul>	Yes			<p>The stakeholder log provided by Tyson Finney Co was reviewed. The stakeholder log includes identification of authorities (municipalities), businesses (economic neighbors), and NGOs. Stakeholders identified include agricultural suppliers, Wheatland Electric, City of Garden City (located in catchment, shared water user), Finney County Economic Development, Kansas State University, and Kansas Geological Survey. The Outreach log included individuals and organizations consulted with since 2019, including notes on conversations which provided information on water-related interests/challenges. The summary includes actions, follow-up and feedback.</p> <p>The Outreach log also includes ranking of stakeholder influence and interest with targeted levels of engagement defined.</p>	
	1.2.2 Current and potential degree of influence between site and stakeholder shall be <b>identified</b> , within the catchment and considering the site’s ultimate water source and ultimate receiving water body for wastewater.	Yes			Stakeholders are related to the site's catchment and process identifies the stakeholders' ability to influence or be influenced. Influence/Interest is characterized (low to high) and further describe opinions towards The Finney Plant’s operations.	
1.3 Gather water-related data for the site, including: water balance; water	1.3.1 Existing water-related incident response plans shall be <b>identified</b> .	Yes			The Water Stewardship Plan, Spill Prevention Control Countermeasure Plan (SPCC), Emergency Action Plan, and Emergency Response Plan were reviewed. Incident response was addressed in the plans.	



<p>quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.</p>	<p>1.3.2 Site water balance, including inflows, losses, storage, and outflows shall be <b>identified</b> and <b>mapped</b>.</p>	Yes			<p>Tyson Finney Co provided water maps and data containing inputs and outputs of water at this facility. Data showing water inflows, outflows, storage and losses for the production processes at the factory were reviewed. The provided map and data indicate water sources, water treatment and water effluents.</p>	
	<p>1.3.3 Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be <b>quantified</b>. 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 <b>quantified</b>.</p>	Yes			<p>Tyson Finney Co provided water usage data containing inputs and outputs of water at this facility. Tyson Finney Co utilizes calendar year 2018 as the baseline year from which to calculate improvements in their water usage rate. Tyson Finney Co calculates the water efficiency as a “gallons per pound” of processed beef products ratio. The water intensity for 2018 was calculated at 0.998 gal/lb. The water intensity for 2019 was calculated at 0.918 gal/lb, which is a 8% water efficiency improvement. A comparison to 2020 was not presented due to operational interruptions caused by the COVID-19 pandemic (full year data not available).</p>	
	<p>1.3.4 Water quality of the site’s water source(s), provided waters, effluent and receiving water bodies shall be <b>quantified</b>. 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 <b>quantified</b>.</p>	Yes			<p>The water quality report from the Wheatland Electric Cooperative Inc. was provided with detailed information showing that the water meets state and federal drinking water standards. Annual water quality reports for the monitoring wells associated with the land on which treated effluent is used for irrigation (ultimate receiving water body = groundwater) were also provided and reviewed. Tyson Finney Co. provided the monthly effluent discharge sample reports that are required by their wastewater permit, which are also submitted to Kansas Dept. of Health &amp; Environment (KDHE).</p>	
	<p>1.3.5 Potential sources of pollution shall be <b>identified</b> and if applicable, <b>mapped</b>, including chemicals used or stored on site.</p>	Yes			<p>A list of all chemicals stored at the site, their location, and typical quantities were provided in the SPCC Plan. The chemicals located within the Plant are mapped in the SPCC Plan.</p>	
	<p>1.3.6 On-site Important Water-Related Areas shall be <b>identified</b> and <b>mapped</b>, including a description of their status including Indigenous cultural values.</p>	Yes			<p>Tyson Finney Co identified the groundwater aquifer at the site and the surface waters associated with the wastewater treatment system (lagoon, holding ponds) as the site’s IWRA. Based on review of the stakeholder engagement and feedback provided, stakeholders are in agreement as to the importance of these WRAs. The quality of the groundwater is a shared water challenge due to salinity and nitrate loading, and this is documented by Tyson Finney Co and in stakeholder engagement.</p>	

	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 <b>identified</b> and used to inform the evaluation of the plan in 4.1.2.	Yes			Site level costs were presented and reviewed, including costs to implement water stewardship-related projects. Tyson Foods, Inc. Annual Report for 2020 (beef segment) was also provided and reviewed, which described revenues.	
	1.3.8 Levels of access and adequacy of WASH at the site shall be <b>identified</b> .	Yes			WASH is available on-site with potable water and toilets for employees and visitors. The facility is required to comply with the Occupation Safety and Health Administration (OSHA) regulations requiring access and adequacy of WASH at the site.	
1.4 Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be <b>identified</b> ); and water used in out-sourced water-related services.	1.4.1 The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be <b>identified</b> .	Yes			A detailed study of the embedded water use for primary inputs for the facility was provided. Information on water source with annual water consumption values and associated water risks was provided.	
	1.4.2 The embedded water use of outsourced services shall be <b>identified</b> , and where those services originate within the site's catchment, <b>quantified</b> .	Yes			The Finney Plant site does not use outside services that account for over 5 % of the total weight of their goods, or 5 % of their costs, or that use significant water in their processes.	
	1.4.3 <b>Advanced Indicator</b> The embedded water use of primary inputs in catchment(s) of origin shall be <b>quantified</b> .				Advanced Indicators were not considered for this site.	
1.5 Gather water-related data for the catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH	1.5.1 Water governance initiatives shall be <b>identified</b> , 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.	Yes			Information on publicly-led initiatives and water-related public policy goals for the catchment was provided at the state and regional level. The Finney Plant facility was included as a stakeholder in the Sustainability Summit that discussed the initiatives.	
	1.5.2 Applicable water-related legal and regulatory requirements shall be <b>identified</b> , including legally-defined	Yes			A list of federal, state, local permits and regulatory requirements was provided, including permits issued by the Kansas Department of Health & Environment. List of relevant and applicable legal and other requirements were also reviewed.	

	and/or stakeholder-verified customary water rights.					
	1.5.3 The catchment water-balance, and where applicable, scarcity, shall be <b>quantified</b> , including indication of annual, and where appropriate, seasonal, variance.	Yes			The catchment water balance with precipitation, groundwater withdrawal/pumping data, water right development data, outflows, and evapotranspiration data was provided for the Tyson Finney Co plant catchment. Data was compiled by the Kansas Geological Survey and presented as the annual change in water levels in the Ogallala Formation Aquifer for the 10-year period of 2008-2017 (most recent complete period of record). The Ogallala Formation Aquifer is the local aquifer underlying the site (site catchment). As indicated in the water stewardship plan, the site has engaged to work with catchment stakeholders to identify water savings initiatives and opportunities to generate a net positive change in groundwater levels in the aquifer.	
	1.5.4 Water quality, including physical, chemical, and biological status, of the catchment shall be <b>identified</b> , and where possible, <b>quantified</b> . 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 <b>identified</b> .	Yes			A description of the catchment groundwater and surface water quality status was provided. Water quality of groundwater was presented in a slide deck prepared by Kansas Geological Survey. Information on biological status of the catchment was also provided. Wheatland Electric Cooperative reports were also provided stating that the water is treated according to federal and state standards to remove any possible harmful contaminants.	
	1.5.5 Important Water-Related Areas shall be <b>identified</b> , and where appropriate, <b>mapped</b> , and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.	Yes			IWRAs have been identified and mapped by Tyson Finney Co Plant, along with a description of their water-related issues. IWRAs include: Lake McKinney and Arkansas River (dry).	
	1.5.6 Existing and planned water-related infrastructure shall be <b>identified</b> , including condition and potential exposure to extreme events.	Yes			Infrastructure includes imported water infrastructure, existing onsite water and wastewater infrastructure, and irrigation infrastructure, including pumps. Recent inspection reports conducted by the municipal system of the onsite portions of the related infrastructure were provided for review,	

					including a description of their condition and potential for exposure to extreme events.	
	1.5.7 The adequacy of available WASH services within the catchment shall be <b>identified</b> .	Yes			WASH for the catchment is adequate based on compliance and demographic information.	
	1.5.8 <b>Advanced Indicator</b> Efforts by the site to support and undertake catchment level water-related data collection shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
	1.5.9 <b>Advanced Indicator</b> The adequacy of WASH provision within the catchments of origin of primary inputs shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
1.6 Understand current and future shared water challenges in the catchment, by linking the water challenges <b>identified</b> by stakeholders with the site's water challenges.	1.6.1 Shared water challenges shall be <b>identified</b> and prioritized from the information gathered.	Yes			A prioritized list with rationale of shared water challenges was provided and reviewed. Drivers and public-sector agency efforts are noted as well. Water quantity is prioritized as first. The Finney Plant challenges were prioritized based on stakeholder feedback and corporate initiatives.	
	1.6.2 Initiatives to address shared water challenges shall be <b>identified</b> .				A list of initiatives was provided and reviewed, that were captured as part of the Finney Co Sustainability Summit working group. Initiatives are identified in the plans.	
	1.6.3 <b>Advanced Indicator</b> Future water issues shall be <b>identified</b> , including anticipated impacts and trends				Advanced Indicators were not considered for this site.	
	1.6.4 <b>Advanced Indicator</b> Potential water-related social impacts from the site shall be <b>identified</b> , resulting in a social impact assessment with a particular focus on water.				Advanced Indicators were not considered for this site.	
1.7 Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting	1.7.1 Water risks faced by the site shall be <b>identified</b> , and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.		No		A prioritized list of water risks was provided and reviewed. Water risks matched shared water challenges. Water quantity is prioritized first.  <b>Minor 2021.01 was issued:</b> The relative likelihood (low/med/high) and severity of impact (low/med/high) with a relative timeframe (immediate vs.	

the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends <i>identified</i> in 1.6.				long-term) was provided; however, the relative indicators were not defined to provide adequate information to fully meet the criteria. <b>Minor 2021.01 was closed:</b> During the review process Tyson provided revised documentation for Criteria 1.7.1. Likelihood, severity of impact, and timeframe were quantified in the revised documentation as a “key” and determined to meet the intent of the criteria and AWS Standard	
	1.7.2 Water-related opportunities shall be <i>identified</i> , including how the site may participate, assessment and prioritization of potential savings, and business opportunities.		No	A prioritized list of water-related opportunities was provided for the site and match the shared water challenges and water risks lists. First priority is based on water quantity and focused on net positive water level in the aquifer/reduction in water intensity use at site. A list of projects, savings and value creation was submitted and reviewed. Value creation was quantified, as applicable.  <b>Minor 2021.02 was issued:</b> The relative priority of each opportunity (low/med/high) with a relative timeframe to implement (immediate vs. long-term) was provided; however, the relative indicators were not defined to provide adequate information to fully meet the criteria (i.e. opportunities were not prioritized). <b>Minor 2021.02 was closed:</b> During the review process Tyson provided revised documentation for Criteria 1.7.2. Priority ranking for each opportunity and timeframe were quantified in the revised documentation as a “key” and determined to meet the intent of the criteria and AWS Standard.	
1.8 Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.	1.8.1 Relevant catchment best practice for water governance shall be <i>identified</i> .	Yes		The Finney Plant has identified multiple best practices toward achieving AWS outcomes at the site and in the catchment. The following best practices are examples for Indicators 1.8.1 - 1.8.5.  The Finney Plant engages with catchment authorities and other stakeholders to share information, practices and drive water stewardship practices. Finney Plant identified the Finney Co Sustainability Summit as a best practice in the catchment to bring stakeholders to one table to support water governance.	
	1.8.2 Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be <i>identified</i> .	Yes		The Finney Plant identified the Kansas State Water Vision as the catchment best practice for water balance. The Water Vision notes that the state’s main economy (agriculture) and water use are linked, and therefore water use efficiency is increasingly important.	

	1.8.3 Relevant sector and/or catchment best practice for water quality shall be <b>identified</b> , including rationale for data source.	Yes			The Finney Plant focuses on maintaining site water quality and monitoring for changes in water quality through annual testing at the monitoring well network. Tyson has also identified supporting Finney County farmers with irrigation technology strategies, thus protecting and/or improving freshwater quality.	
	1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be <b>identified</b> .	Yes			The Finney Plant identified that there are no adequate surface water plans available at this time for maintenance of the identified IWRAs (Lake McKinney, Arkansas River). Finney Plant continues to remain engaged with catchment stakeholders regarding the IWRAs and how to support improvement.	
	1.8.5 Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be <b>identified</b> .	Yes			The Finney Plant maintains compliance with applicable OSHA standards related to WASH.	
<b>Advanced Points Step 1</b>						
<b>STEP 2: Commit and Plan</b>						
<b>Criteria</b>	<b>Indicator</b>	<b>Yes</b>	<b>No</b>	<b>NA</b>	<b>Objective Evidence/Findings</b>	<b>Points</b>
2.1 Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.	2.1.1 A signed and publicly <b>disclosed</b> site statement OR organizational document shall be <b>identified</b> . The statement or document shall include the following commitments: <ul style="list-style-type: none"> <li>- That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</li> <li>- That the site implementation will be aligned to and in support of existing catchment sustainability plans</li> <li>- That the site's stakeholders will be engaged in an open and transparent way</li> <li>- That the site will allocate resources to implement the Standard.</li> </ul>	Yes			A pledge, signed by the Complex Manager and the Hides Manager, was reviewed containing all elements described in this indicator.	

	<p><b>2.1.2 Advanced Indicator</b> A statement that explicitly covers all requirements set out in Indicator 2.1.1 and is signed by the organization’s senior-most executive or governance body and publicly <b>disclosed</b> shall be <b>identified</b>.</p>				Advanced Indicators were not considered for this site.	
2.2 Develop and document a process to achieve and maintain legal and regulatory compliance.	<p>2.2.1 The system to maintain compliance obligations for water and wastewater management shall be <b>identified</b>, including:</p> <ul style="list-style-type: none"> <li>- Identification of responsible persons/positions within facility organizational structure</li> <li>- Process for submissions to regulatory agencies.</li> </ul>	Yes			The Finney Plant online portal system (eCAT, EMS) for compliance tracking was reviewed. Included in the system are the listed permits and responsible staff to ensure maintenance of compliance. A third-party is contracted to confirm compliance is maintained.	
2.3 Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.	<p>2.3.1 A water stewardship strategy shall be <b>identified</b> that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</p>	Yes			The Tyson Water Risk Assessment was provided and reviewed. The Tyson Water Risk Assessment is a high-level document which includes the overall water stewardship strategy of the organization, and is in alignment with the AWS requirements.	
	<p>2.3.2 A water stewardship plan shall be <b>identified</b>, including for each target:</p> <ul style="list-style-type: none"> <li>- How it will be measured and monitored</li> <li>- Actions to achieve and maintain (or exceed) it</li> <li>- Planned timeframes to achieve it</li> <li>- Financial budgets allocated for actions</li> <li>- Positions of persons responsible for actions and achieving targets</li> <li>- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.</li> </ul>	Yes			<p>A detailed water stewardship plan was created as part of the AWS process. The plan is broken into objectives, targets, and actions. There are different actions corresponding to different targets, each with their own metrics, budget, responsible person, status, and other criteria. Water Quality and Water Quantity are the water topics identified in this plan.</p> <p><b>OBS 2021.01 was issued:</b> To improve clarity in the WSP, consider eliminating references to “see above” or “refer to line X”.</p>	
	<p><b>2.3.3 Advanced Indicator</b></p>					Advanced Indicators were not considered for this site.

	The site's partnership/water stewardship activities with other sites within the same catchment (which may or may not be under the same organizational ownership) shall be <b>identified</b> and described.				
	<b>2.3.4 Advanced Indicator</b> The site's partnership/water stewardship activities with other sites in another catchment(s) (either under same corporate structure or with another corporate site) shall be <b>identified</b> .				Advanced Indicators were not considered for this site.
	<b>2.3.5 Advanced Indicator</b> Stakeholder consensus shall be sought on the site's water stewardship plan. Consensus should be achieved on at least one target. A list of targets that have consensus and in which stakeholders are involved shall be <b>identified</b> .				Advanced Indicators were not considered for this site.
2.4 Demonstrate the site's responsiveness and resilience to respond to water risks	2.4.1 A plan to mitigate or adapt to <b>identified</b> water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be <b>identified</b> .	Yes			The Finney Plant provided their current SPCC plan, Emergency Response Plan and Emergency Action Plan, which included a description of their required responses and resilience operations to water-related issues and risks. Modifications to the plans are captured through revision/amendment comments as needed and an annual review is part of standard procedures to evaluate the plans effectiveness.  In addition, the Water Stewardship Plan is a working document which documents identification of water risks through performance, evaluation, and stakeholder consultation. Stakeholders include the relevant public-sector agencies responsible for infrastructure.
	<b>2.4.2 Advanced Indicator</b> A plan to mitigate or adapt to water risks associated with climate change projections developed in co-ordination with relevant public-sector and infrastructure agencies shall be <b>identified</b> .				Advanced Indicators were not considered for this site.



Advanced Points Step 2						
STEP 3: Implement						
Criteria	Indicator	Yes	No	NA	Objective Evidence/Findings	Points
3.1 Implement plan to participate positively in catchment governance.	3.1.1 Evidence that the site has supported good catchment governance shall be <b>identified</b> .	Yes			The Factory provided documentation of their efforts to support good catchment governance through their involvement with the Finney County Sustainability Summit and support of the Kansas State Water Vision.	
	3.1.2 Measures <b>identified</b> to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be <b>implemented</b> .	Yes			Annually, Kansas Dept of Agriculture issues an irrigation quantity cap for the catchment. Tyson Finney Co is allocated a maximum number of gallons that can be used for irrigation.	
	3.1.3 <b>Advanced Indicator</b> Evidence of improvements in water governance capacity from a site-selected baseline date shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
	3.1.4 <b>Advanced Indicator</b> Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the good water governance of the catchment shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
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 <b>implemented</b> .	Yes			The Finney Plant online portal system (eCAT, EMS) for compliance tracking was reviewed. Included in the system are the listed permits and responsible staff to ensure maintenance of compliance.	
	3.2.2 Where water rights are part of legal and regulatory requirements, measures <b>identified</b> to respect the water rights of others including Indigenous peoples, shall be <b>implemented</b> .	Yes			The Finney Plant receives its water from a municipal supplier and does not infringe on the rights of others, including indigenous peoples. The Finney Plant's discussions with stakeholders did not indicate actual or perceived concern that site was impinging on human right to safe water and sanitation in catchment.	
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 <b>identified</b> .	Yes			Water usage is tracked on a monthly basis and compared to facility goals, as well as prior year's monthly values. The water intensity for 2018 was calculated at 0.998 gal/lb. The water intensity for 2019 was calculated at 0.918 gal/lb, which is a 8% water efficiency improvement. The site has worked to improve its water efficiency as per its targets, by implementing	

					the following measures: automatic timer system in wash cabinets; water reuse in carcass wash cabinets.	
	3.3.2 Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be <b>implemented</b> .	Yes			The Finney Plant establishes site targets annually to improve water balance towards improving efficiency and strives to reduce volumetric total.	
	3.3.3 Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be <b>identified</b> .	Yes			The site is not re-allocating water savings.	
	3.3.4 <b>Advanced Indicator</b> The total volume of water voluntarily re-allocated (from site water savings) for social, cultural and environmental needs shall be <b>quantified</b> .				Advanced Indicators were not considered for this site.	
3.4 Implement plan to achieve site water quality targets.	3.4.1 Status of progress towards meeting water quality targets set in the water stewardship plan shall be <b>identified</b> .	Yes			Wastewater results are within permitted values. The Finney Plant is working with farm management team to focus on proper nutrient application and timing for soil health, reduce irrigation intensity and improve groundwater quality.	
	3.4.2 Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be <b>identified</b> and where applicable, <b>quantified</b> .	Yes			Water quality is a shared water challenge and an AWS Outcome. The The Finney Plant's goal is to improve catchment groundwater quality long-term through reduction in nitrate levels.	
3.5 Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.	3.5.1 Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be <b>implemented</b> .				The Finney Plant is actively engaging with stakeholders and documenting that engagement toward activities to develop and/or support plans to improve the site's IWRAs.	
	3.5.2 <b>Advanced Indicator</b> Evidence of completed restoration of non-functioning or severely degraded Important Water-Related Areas including				Advanced Indicators were not considered for this site.	

	where appropriate cultural values from a site-selected baseline date shall be <b>identified</b> . Restored areas may be outside of the site, but within the catchment.					
	<b>3.5.3 Advanced Indicator</b> Evidence from a representative range of stakeholders showing consensus that the site is seen as positively contributing to the healthy status of Important Water-Related Areas in the catchment shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
3.6 Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.	3.6.1 Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be <b>identified</b> and where applicable, <b>quantified</b> .	Yes			The facility is required to comply with the Occupation Safety and Health Administration (OSHA) regulations requiring access and adequacy of WASH at the site. The nature of the products made at the facility requires strict adherence to these principals.	
	3.6.2 Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for Indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.	Yes			The facility is required to comply with the Occupation Safety and Health Administration (OSHA) regulations requiring access and adequacy of WASH at the site. The Finney Plant is not impacting WASH of communities. Finney Plant discussions with stakeholders did not indicate actual or perceived concern that site was impinging on human right to safe water and sanitation in catchment.	
	<b>3.6.3 Advanced Indicator</b> A list of actions taken to support the provision to stakeholders in the catchment of access to safe drinking water, adequate sanitation and hygiene awareness shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
	<b>3.6.4 Advanced Indicator</b> In catchments where WASH has been <b>identified</b> as a shared water challenge,				Advanced Indicators were not considered for this site.	

	evidence of efforts taken with relevant public-sector agencies to share information and to advocate for change to address access to safe drinking water and sanitation shall be <b>identified</b> .					
3.7 Implement plan to maintain or improve indirect water use within the catchment.	3.7.1 Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be <b>quantified</b> .	Yes			Indirect water use targets in the Water Stewardship Plan include an overall reduction of water use by 30% at year 10 (baseline 2018). Evidence indicates that the facility is trending toward achieving target.	
	3.7.2 Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be <b>identified</b> .	Yes			The Finney Plant has engaged suppliers on water use and implementation of improved farming practices to improve indirect water use efficiency.	
	3.7.3 <b>Advanced Indicator</b> Actions taken to address water related risks and challenges related to indirect water use outside the catchment shall be documented and <b>evaluated</b> .				Advanced Indicators were not considered for this site.	
3.8 Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.	3.8.1 Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be <b>identified</b> .	Yes			Evidence indicated there are no concerns with any shared water-related infrastructure. The Finney Plant regularly shares data with stakeholders, including Wheatland Electric Cooperative.	
3.9 Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.	3.9.1 Actions towards achieving best practice, related to water governance, as applicable, shall be <b>implemented</b> .	Yes			The Finney Plant engages with catchment authorities and other stakeholders to share information, best practices and drive water stewardship efforts. One example is the collaborative efforts of the Sustainability Summit.	
	3.9.2 Actions towards achieving best practice, related to targets in terms of water balance shall be <b>implemented</b> .	Yes			The Finney Plant has engaged with Kansas Geological Survey to determine a catchment specific target for continual improvement toward water use/reduction to achieve the net water positive goal for groundwater levels in the aquifer.	

	3.9.3 Actions towards achieving best practice, related to targets in terms of water quality shall be <b>implemented</b> .	Yes			The Finney Plant is actively evaluating improved farming practices with their farm management team and suppliers to improve water quality in the catchment.	
	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 <b>implemented</b> .	Yes			The Finney Plant utilizes the best management practices outlined in the facility's SPCC Plan and stormwater permit to ensure protection of water quality at the site IWRAs.	
	3.9.5 Actions towards achieving best practice related to targets in terms of WASH shall be <b>implemented</b> .	Yes			Stakeholder engagement indicates there is adequate WASH in the catchment.	
	3.9.6 <b>Advanced Indicator</b> Achievement of <b>identified</b> best practice related to targets in terms of good water governance shall be <b>quantified</b> .				Advanced Indicators were not considered for this site.	
	3.9.7 <b>Advanced Indicator</b> Achievement of <b>identified</b> best practice related to targets in terms of sustainable water balance shall be <b>quantified</b> .				Advanced Indicators were not considered for this site.	
	3.9.8 <b>Advanced Indicator</b> Achievement of <b>identified</b> best practices related to targets in terms of water quality shall be <b>quantified</b> .				Advanced Indicators were not considered for this site.	
	3.9.9 <b>Advanced Indicator</b> Achievement of <b>identified</b> best practices related to targets in terms of the site's maintenance of Important Water-Related Areas have been <b>implemented</b> .				Advanced Indicators were not considered for this site.	
	3.9.10 <b>Advanced Indicator</b> Achievement of <b>identified</b> best practice related to targets in terms of WASH shall be <b>quantified</b> .				Advanced Indicators were not considered for this site.	
	3.9.11 <b>Advanced Indicator</b> A list of efforts to spread best practices shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
	3.9.12 <b>Advanced Indicator</b>				Advanced Indicators were not considered for this site.	

	A list of collective action efforts, including the organizations involved, positions of responsible persons of other entities involved, and a description of the role played by the site shall be <b>identified</b> .					
	<p><b>3.9.13 Advanced Indicator</b></p> <p>Evidence of the <b>quantified</b> improvement that has resulted from the collective action relative to a site-selected baseline date shall be <b>identified</b> and evidence from an appropriate range of stakeholders linked to the collective action (including both those implementing the action and those affected by the action) that the site is materially and positively contributing to the achievement of the collective action shall be <b>identified</b>.</p>				Advanced Indicators were not considered for this site.	
<b>Advanced Points Step 3</b>						
<b>STEP 4: Evaluate</b>						
<b>Criteria</b>	<b>Indicator</b>	<b>Yes</b>	<b>No</b>	<b>NA</b>	<b>Objective Evidence/Findings</b>	<b>Points</b>
4.1 Evaluate the site’s performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.	4.1.1 Performance against targets in the site’s water stewardship plan and the contribution to achieving water stewardship outcomes shall be <b>evaluated</b> .		No		<p>Tyson has evaluated performance of the Water Stewardship Plan which is aligned with realizing the AWS Outcomes. Targets established in the WSP are tracked based on multiple targets with measurable metrics, and documentation of stakeholder engagement. The evaluation also includes timelines and metrics and describes shared value benefits for each target. Further evaluation will be conducted during the surveillance and renewal audits.</p> <p><b>Minor 2021.03 was issued:</b> The Water Stewardship Plan does not include risk evaluation.</p> <p><b>Minor 2021.03 was closed:</b> During the review process Tyson provided updated information under Criteria 1.7.1 and 1.7.2 with linkage to the WSP.</p>	

					Information provided in the updated documentation conforms with the intent of the risk evaluation and therefore meets the intent of the criteria and AWS standard.	
	4.1.2 Value creation resulting from the water stewardship plan shall be <b>evaluated</b> .	Yes			Tyson is focused on three areas of value creation: economic, social and environmental. Economic and social value includes job creation, support of city infrastructure and farmers, water-related education for Tyson employees. Environmental value includes lowering emissions through reducing impacts to water and soil.	
	4.1.3 The shared value benefits in the catchment shall be <b>identified</b> and where applicable, <b>quantified</b> .	Yes			Tyson has identified reduced water usage and associated reduced monthly costs as a beneficial improvement. Reduction in water usage at the facility is a shared value benefit in the catchment.	
	4.1.4 <b>Advanced Indicator</b> A governance or executive-level review, including discussion of shared water challenges, water risks, and opportunities, and any water-related cost savings or benefits realized, and any relevant incidents shall be <b>identified</b> .				Advanced Indicators were not considered for this site.	
4.2 Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.	4.2.1 A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be <b>evaluated</b> and proposed preventative and corrective actions and mitigations against future incidents shall be <b>identified</b> .	Yes			The Finney Plant provided a written review report for the prior year (2019) emergency incident that occurred. The incident was related to a fire at the facility, which impacted operations and water usage. The root cause analysis, site's response, corrective actions and mitigations toward future events were provided in the report.	
4.3 Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.	4.3.1 Consultation efforts with stakeholders on the site's water stewardship performance shall be <b>identified</b> .	Yes			Internal and external stakeholder outreach was conducted and documented in the Stakeholder Table and evidence notes. Responses covered the main topics of water quality, water quantity, and agricultural issues.	
	4.3.2 <b>Advanced Indicator</b> The site's efforts to address shared water challenges shall be <b>evaluated</b> by				Advanced Indicators were not considered for this site.	

	stakeholders. This shall include stakeholder reviewing of the site's efforts across all five outcome areas, and their suggestions for continual improvement.					
4.4 Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.	4.4.1 The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be <b>identified</b> .	Yes			The Water Stewardship Plan is a working document updated annually to reflect on-going actions and completed projects. The WSP tracks targets, timelines, metrics and actions tied to best practice and AWS outcomes addressed.	
<b>Advanced Points Step 4</b>						
<b>STEP 5: Communicate and Disclose</b>						
Criteria	Indicator	Yes	No	NA	Objective Evidence/Findings	Points
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 <b>disclosed</b> .	Yes			The Finney Plant provided the list of personnel responsible for the site's water-related internal governance. The list of responsible personnel is disclosed to internal stakeholders and relevant external stakeholders (i.e. regulatory agencies).	
5.2 Communicate the water stewardship plan with relevant stakeholders.	5.2.1 The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	Yes			Tyson provided a stakeholder table that details communication with stakeholders about the AWS process. The WSP was communicated to relevant stakeholders.	
5.3 Disclose annual site water stewardship summary, including the relevant information about the site's annual water	5.3.1 A summary of the site's water stewardship performance, including <b>quantified</b> performance against targets, shall be <b>disclosed</b> annually at a minimum.	Yes			Tyson prepared a summary of the site's water stewardship performance, including quantified performance of their water use reduction goal. Evidence of disclosure of the summary to stakeholders was provided.	
	<b>5.3.2 Advanced Indicator</b>				Advanced Indicators were not considered for this site.	



stewardship performance and results against the site's targets.	The site's efforts to <b>implement</b> the AWS Standard shall be <b>disclosed</b> in the organization's annual report.					
	<b>5.3.3 Advanced Indicator</b> Benefits to the site and stakeholders from implementation of the AWS Standard shall be <b>quantified</b> in the organization's annual report.				Advanced Indicators were not considered for this site.	
5.4 Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.	5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be <b>disclosed</b> .	Yes			The Finney Plant engaged with stakeholders through the Sustainability Summit, which is an on-going discussion of the shared water challenges of water quantity and quality in the catchment. Tyson provided evidence of the continued engagement and disclosure of their efforts toward addressing the shared water challenges.	
	5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be <b>identified</b> .	Yes			See 5.4.1.	
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 <b>disclosed</b> .	Yes			Tyson reports that the Finney County site has not had any violations nor compliance issues that are water related.	
	5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be <b>disclosed</b> if applicable.	Yes			See 5.5.1	
	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 <b>disclosed</b> .	Yes			Violations are publicly available through state and federal reporting (ECHO/US EPA). There were no violations reported via ECHO. The ECHO reporting system would include violations that pose a significant risk and threat to human or ecosystem health.	
<b>Advanced Points Step 5</b>						