

**STATEMENT OF BASIS
PITMAN FAMILY FARMS, INC
INDUSTRIAL USER
UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)
PRETREATMENT PERMIT NO. UTP000059**

FACILITY CONTACT

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DESCRIPTION OF FACILITY

Pitman Family Farms, Inc (Pitman) is a slaughter and processing plant for turkeys. The facility has one shift working daily from 06:00 to 19:00. The facility processes 17,000 turkeys a day on average with a maximum day of 22,500 turkeys. The operation is continuous throughout the year without seasonal or scheduled closures, other than holidays.

Pitman has been classified as a significant industrial user due the flow and load discharged to the publicly owned treatment works (POTW). Limitations will be based on protecting the POTW from pass through and interference from the process wastewater. The wastewater is treated utilizing a dissolved air flotation system and a single cell lagoon. Outfall 001 is located south of the northeast corner of the lagoon system.

DESCRIPTION OF DISCHARGE

The process wastewater discharge is from cutting, bagging, cleaning and rendering as part of the turkey process. The wastewater discharge from these processes is on average 110,000 gallons per day with a daily maximum flow of 150,000 gallon. Wastewater is also discharged from the chillers. The discharge from the chillers on average is 605,000 gallons per day with a daily maximum flow of 847,000 gallons.

EFFLUENT LIMITATIONS

Utah Administrative Code (UAC) R317-8-8.5 contains general and specific prohibitions which must be achieved by all non-domestic sources of pollutants. Pollutants introduced into a POTW by a non-domestic source shall not pass through the POTW or interfere with the operation or

performance of the POTW.

A reasonable potential analysis was not completed for this facility because the facility does not discharge directly to waters of the State, instead, the facility discharges to a POTW and is regulated by pretreatment standards.

The daily minimum limit for pH is based on the prohibited standard found in *R317-8-8.5(3)(b)*. The daily maximum limit for pH is based on not allowing waste that would otherwise be classified as hazardous waste from being discharge to the POTW, *40 CFR 261.22*. The limit is slightly more stringent than stated in *40 CFR 261.22(a)(1)* this is to protect the POTW and POTW personnel from wastewater that could be corrosive.

Limits for oil and grease are based on best professional judgement. The limit is to protect the wastewater treatment plant and the members from being impacted by oil and grease build-up.

The effluent limitations listed in the Effluent Limitations Table will apply to the discharge from the facility as end of pipe standards.

Parameter	Effluent Limitations Table		
	Maximum Monthly Avg	Daily Minimum	Daily Maximum
pH, SU	NA	5.0	12.0
Polar - Oil and Grease, mg/L	NA	NA	100

NA – Not Applicable

MONITORING AND REPORTING REQUIREMENTS

The permittee must notify the Utah Division of Water Quality Director and the POTW of any violations of the permit including spills or changes at the facility. Notification must also include bypasses of any treatment units utilized to treat the process wastewater from the turkey processing plant. Notification to the POTW must be made to the public works director. If the POTW does not have a public works director at the time of notification; the notification must be made to the city manager or mayor and the direct responsible charge (DRC) for the wastewater treatment plant and collection system.

Monitoring requirements, measurement frequencies and sample types were adapted from guidance documents for pretreatment permitting. The wastewater discharge shall be sampled as specified in the Self-Monitoring and Reporting Requirements Table.

Samples must be collected utilizing time-proportioned composite samples for the parameters listed in the permit. Timed proportioned samples will be allowed so long as the lagoon system has a consistent flow. If the flow from the lagoon changes the permittee must notify the Direct and sampling requirements will need to be based on flow-proportioned composite sampling techniques.

Samples for pH must be collected utilizing a grab sample.

Self-Monitoring and Reporting Requirements Table			
Parameter	Frequency	Sample Type	Units
Total Flow a/, b/	Continuous	Recorder	gpd
pH	Monthly	Grab	SU
Polar Oil and Grease	Monthly	Composite	mg/L
Total Ammonia (as N)	Monthly	Composite	mg/L
BOD ₅	Monthly	Composite	mg/L
TSS	Monthly	Composite	mg/L
Total Copper	Monthly	Composite	mg/L
Total Phosphorous	Monthly	Composite	mg/L

All monitoring results and observations shall be summarized on a discharge monitoring report (DMR) form each month. DMRs must be submitted no later than the 28th day of the month following the end of the reporting period. DMRs must either be submitted with monitoring data included or indicate that no discharge occurred for the monitoring month. DMRs shall be submitted via netDMR.

PRETREATMENT REQUIREMENTS

Any wastewater that Pitman discharges to the sanitary sewer, either as a direct discharge or as a hauled waste, is subject to Federal, state of Utah and local pretreatment regulations. Pursuant to Section 307 of the Clean Water Act, the permittee shall comply with all applicable Federal General Pretreatment Regulations promulgated in *40 CFR §403*, the state of Utah Pretreatment Requirements found in *UAC R317-8-8*, and any specific local discharge limitations developed by the POTW accepting the waste.

SLUG CONTROL PLAN

Pitman has not been evaluated for a slug control plan although all of the process wastewater from the facility flows into the pretreatment system. Based on the process wastewater being treated prior to discharging into the POTW a slug control plan will not be required at this time. A re-evaluation of the facility will be completed as part of inspections at the facility. If conditions change the facility will be required to develop a slug control plan and the permit will be modified to include the requirement to develop a slug control plan. The facility is required to immediately notify the Division of Water Quality and the POTW of changes to spill and/or slug potential which could impact the POTW.

Raw materials are stored in an area that does not have floor drains. Waste and sludges are stored in 55 gallon drums. Liquid wastes are stored with secondary containment.

STORM WATER

This permit does not include storm water requirements. The industrial activities at the facility fall under an industrial storm water sector, NAISC Codes¹ 311615, requiring permit coverage. See Part IV of the permit for requirements. The following link provides additional information regarding the UPDES Industrial Stormwater Permit

<https://deq.utah.gov/water-quality/general-multi-sector-industrial-storm-water-permit-updes-permits>.

Permit coverage under the Construction General Storm Water Permit (CGP) is required for any construction at the facility which disturb an acre or more, or is part of a common plan of development or sale that is an acre or greater. A Notice of Intent (NOI) for the It is required to obtain a construction storm water permit during the period of construction. The following link provides additional information regarding the UPDES Construction General Storm Water Permit

<https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits>.

General UPDES Stormwater Permit requirements can be found at

<http://stormwater.utah.gov>

PERMIT DURATION

It is recommended that this permit be effective for a duration of four (4) years.

PUBLIC NOTICE INFORMATION

The permit was public noticed from January 14, 2021 to February 14, 2021. The notice was posted on the Division of Quality Webpage and the Utah Public Notice Website. No comments were received during the public comment period. Therefore, the requirements of the final version of the permit is the same as the public noticed version with minor edits to dates.

GENERAL INFORMATION

Drafted by
Jennifer Robinson

¹North American Industry Classification System (NAICS) Code

Stormwater reviewed by Carl Adams

Permit DWQ-2021-0004374
Fact Sheet/Statement of Basis DWQ-2021-004376

Draft Permit DWQ-2020-023184
Draft Fact Sheet/Statement of Basis DWQ-2020-023186
Permit Application Information DWQ-2019-010582,
DWQ-2019-009993 and DWQ-2019-001001
Public Notice DWQ-2020-026069

DWQ-2021-004376