Permit Fact Sheet

Changes from the previous permit are highlighted in grey.

General Information

Permit Number:	WI-0067300-01-1
Permittee Name:	Agropur Inc
Address:	3805 Freedom Rd
City/State/Zip:	Little Chute WI 54961
Discharge Location:	Department-approved land application sites throughout the State
Receiving Water:	Groundwaters of the State via land application on approved sites
Discharge Type:	New; Seasonal

Facility Description

Agropur, Inc. (Agropur) owns and operates a cheese manufacturing facility in Little Chute, WI. The production facility includes a Wastewater Pretreatment System that discharges to the Heart of the Valley Metropolitan Sewerage District (HOVMSD) via the Village of Little Chute's sanitary collection system. Discharges were previously covered under a General Permit. This new individual permit contains two land application outfalls. Outfall 001 is for the landspreading of industrial liquid wastes on Department-approved sites. Outfall 002 is for the landspreading of industrial sludges on Department-approved sites.

Permit Modification -1 was completed following Agropur's request to update the sample description for Outfall 001 and 002 as well as add cake sludge Outfall 003. This update was determined to be necessary to better describe the facility operations following the last facility inspection.

Substantial Compliance Determination

N/A – this is the first permit term.

Sample Point Designation		
Sample Point Number	**Discharge Flow, Units, and Averaging Period**	**Sample Point Location, Waste Type/Sample Contents and Treatment Description (as applicable)**
001	N/A	A representative sample of liquid industrial ~~wastes~~ sludges from production of cheese shall be obtained from the Waste Activated Sludge (WAS) 40,000-gallon storage silo after mixing but prior to load out for landspreading on approved sites.
002	N/A	A representative sample of liquid industrial sludges from the pretreatment DAF shall be obtained from the 60,000-gallon storage silo after mixing but prior to load out for landspreading on approved sites.
003	N/A – new sample point	A representative sample of solid industrial cake sludge from the screw press.

1 Land Application - Liquid/Sludge/By-Product Solids (industrial only)

Sample Point Number: 001- Industrial Sludge

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Nitrogen, Total Kjeldahl		mg/L	Quarterly	Grab	
Chloride		mg/L	Quarterly	Grab	
Phosphorus, Total		mg/L	Quarterly	Grab	
Phosphorus, Water Extractable		% of Tot P	Quarterly	Grab	
Potassium, Total Recoverable		mg/L	Quarterly	Grab	

Changes from Previous Permit:

- No changes with modification.

Explanation of Limits and Monitoring Requirements

Requirements for land application of industrial liquids are determined in accordance with ch. NR 214, Wis. Adm. Code.

Water Extractable Phosphorus (WEP) – WEP is the coefficient for determining plant available phosphorus from measured total phosphorus. In Wisconsin, the Penn State Method is utilized and is expressed in percent. While a total P may be significant, the WEP may show that only a small percentage of the P is available to plants because of factors such as treatment processes and chemical addition that "tie-up" phosphorus limiting the amount of phosphorus that is plant available. As part of the Wisconsin's nutrient management plan (NMP) requirements, the accounting of all fertilizers must be included over the NMP cycle. The fertilizer value of the waste needs to be communicated to the farmer and accounted for in the NMP.

Sample Point Number: 002- Industrial Sludge

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Solids, Total		Percent	Quarterly	Grab	
Nitrogen, Total Kjeldahl		Percent	Quarterly	Grab	
Nitrogen, Ammonium (NH4-N) Total		Percent	Quarterly	Grab	
Chloride		Percent	Quarterly	Grab	
pH Field		su	Quarterly	Grab	
Phosphorus, Total		Percent	Quarterly	Grab	
Phosphorus, Water		% of Tot P	Quarterly	Grab	

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Extractable					
Potassium, Total Recoverable		Percent	Quarterly	Grab	
PFOA + PFOS		ug/kg	Annual	Calculated	Report the sum of PFOA and PFOS. See PFAS Permit Sections for more information.
PFAS Dry Wt			Annual	Grab	Perfluoroalkyl and Polyfluoroalkyl Substances based on updated DNR PFAS List. See PFAS Permit Sections for more information.

Changes from Previous Permit:

- No changes with modification.

Explanation of Limits and Monitoring Requirements

Requirements for land application of industrial sludge are determined in accordance with ch. NR 214, Wis. Adm. Code.

PFAS – The presence and fate of PFAS in municipal and industrial sludges is an emerging public health concern. EPA is currently developing a risk assessment to determine future land application rates and expects to release this risk assessment by the end of 2024. In the interim, the Department has developed the "Interim Strategy for Land Application of Biosolids and Industrial Sludges Containing PFAS."

Collecting sludge data on PFAS concentrations from a wide range of wastewater treatment facilities will help protect public health from exposure to elevated levels of PFAS and determine the Department's implementation of EPA's recommendations. To quantitate this risk, PFAS sampling has been included in the proposed WPDES permit pursuant to ss. NR 214.18(5)(b) and NR 204.06(2)(b)9., Wis. Adm. Code.

Water Extractable Phosphorus (WEP) – WEP is the coefficient for determining plant available phosphorus from measured total phosphorus. In Wisconsin, the Penn State Method is utilized and is expressed in percent. While a total P may be significant, the WEP may show that only a small percentage of the P is available to plants because of factors such as treatment processes and chemical addition that "tie-up" phosphorus limiting the amount of phosphorus that is plant available. As part of the Wisconsin's nutrient management plan (NMP) requirements, the accounting of all fertilizers must be included over the NMP cycle. The fertilizer value of the waste needs to be communicated to the farmer and accounted for in the NMP.

Sample Point Number: 003- Industrial Cake Sludge

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Solids, Total		Percent	Quarterly	Grab	
Chloride		Percent	Quarterly	Grab	
Nitrogen, Total Kjeldahl		Percent	Quarterly	Grab	
pH Field		su	1/ 6 Months	Grab	
Phosphorus, Total		Percent	1/ 6 Months	Grab	
Phosphorus, Water Extractable		% of Tot P	1/ 6 Months	Grab	
Potassium, Total Recoverable		Percent	1/ 6 Months	Grab	
Nitrogen, Ammonia (NH3-N) Total		Percent	1/ 6 Months	Grab	
Nitrogen, Organic Total		Percent	1/ 6 Months	Grab	
Lead Dry Wt		mg/kg	Annual	Grab	
Zinc Dry Wt		mg/kg	Annual	Grab	
Copper Dry Wt		mg/kg	Annual	Grab	
Cadmium Dry Wt		mg/kg	Annual	Grab	
Nickel Dry Wt		mg/kg	Annual	Grab	
PCB Total Dry Wt		mg/kg	Annual	Grab	

Changes from Previous Permit:

Outfall 003 was added as a new outfall with modification -1.

Explanation of Limits and Monitoring Requirements

Requirements for land application of industrial sludge are determined in accordance with ch. NR 214, Wis. Adm. Code. Sampling requirements and frequencies set to be consistent with other similar facilities.

2 Schedules

2.1 Land Application Management Plan

A management plan is required for the land application system.

Required Action	Due Date
Land Application Management Plan: Submit a management plan to optimize the land application system performance and demonstrate compliance with Wisconsin Administrative Code NR 214.	08/31/2024

Explanation of Schedules

Land Application Management Plan – This schedule is for the submittal of a Land Application Management Plan in accordance with ch. NR 214, Wis. Adm. Code. This management plan shall 1) specify information on pretreatment processes (if any); 2) identify land application sites; 3) describe site limitations; 4) address vegetative cover management and removal; 5) specify availability of storage; 6) describe the type of transporting and spreading vehicle(s); 7) specify monitoring procedures; 8) track site loading; 9) address contingency plans for adverse weather and odor/nuisance abatement; and 10) include any other pertinent information. Once approved, all landspreading activities shall be conducted in accordance with the plan. Any changes to the plan must be approved by the Department prior to implementing the changes.

Attachments:

N/A – none.

Expiration Date:

June 30, 2029

Justification Of Any Waivers From Permit Application Requirements

No waivers from permit application requirements were granted.

Prepared By: Ashley Clark, Wastewater Specialist-Sen. **Date:** April 10, 2025

Modification Fact Sheet Date: 4/16/2025