

Public Noticed Organic Valley Chaseburg Draft Permit Fact Sheet

General Information

Permit Number	WI-0064335-01-0
Permittee Name and Address	Organic Valley Chaseburg 203 S Main St, Chaseburg, WI 54621
Permitted Facility Name and Address	Organic Valley Chaseburg 203 S Main St Chaseburg WI 54521
Permit Term	July 01, 2024 to June 30, 2029
Discharge Location	The groundwaters of the Bad Axe/LaCrosse River Basin located in Vernon County
Receiving Water	N/A, groundwater discharge via land application
Discharge Type	Existing, combination of two previous general permits, Landspreading of Industrial Liquid Wastes and Landspreading of Industrial Sludge

Facility Description

The proposed new permit combines two previous general permits, Landspreading of Industrial Liquid Wastes and Landspreading of Industrial Sludge for this facility. All proposed reporting and monitoring requirements are based on the previously held two general permits. CROPP Cooperative operates a creamery/dairy processing plant for products under the Cooperative Regions of Organic Producers Pools label. The Chaseburg Creamery is a balancing plant, which means that it helps to balance out raw milk supply. When milk is needed at other plants, the creamery can send them milk or cream to meet their production needs. When there is excess milk that is not needed at other plants, it comes to the Chaseburg Creamery. The raw milk is separated into bulk tankers of fresh, organic Grade A farm milk or reloaded raw milk. The skim milk and cream are pasteurized at the Chaseburg plant utilizing HTST pasteurization; cream is segregated in vats or silos and used in butter production or for standardized milk loadouts. The Grade A skim milk and standardized milk is loaded out by tanker for customer use. No bottling or packaging of milk occurs onsite. Raw milk and pasteurized cream and buttermilk from the butter making process are also shipped out on tankers for further processing by customers. Liquid wastes at sample points 001 and 003 are hauled to approved manure storage tanks. The generated sludge at sample point 002 is from the plant's dissolved air floatation (DAF) treatment system that collects all rinse and wash water generated at the plant. The DAF system consists of a 20,000 gallon tank where a flocculant is added to keep solids afloat and a coagulant is then added to allow the solids to gather at the top of the processing tank where the solids are skimmed off and stored in the sludge tank for later disposal. The liquid is pH adjusted and sent to the village of Chaseburg POTW to be treated under their WPDES permit. The DAF system is designed to remove suspended solids (TSS), biochemical oxygen demand (BOD), and oils and greases (O&G). This sludge is also hauled to approved manure storage tanks.

Substantial Compliance Determination

Enforcement During Last Permit:

After a desktop review of Organic Valley Chaseburg's two general permits, landspreading industrial liquid waste and landspreading industrial sludge, land application reports on 05/09/2025, the facility was found to be in compliance. Organic Valley Chaseburg currently does not conduct direct land application of these industrial wastes and instead utilizes approved manure pits to dispose of the industrial wastes.

Compliance determination made by Peter Carlson, Wastewater Specialist on 05/09/2025.

Sample Point Descriptions

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	500,000 gallons	Representative liquid waste samples shall be either collected from the septic tanker truck discharge line or the buttermilk tank before discharged to the truck.
002		Representative sludge samples shall be collected from the sludge tank as it is discharged to the A-1 Septic hauling truck or from the discharge line of the septic truck.
003		Representative liquid waste samples shall be collected from the milk tankers.

Permit Requirements

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

Sample Point Number: 001- BUTTERMILK and 003- MILK PRODUCTS

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Sludge Hauled		tons/day	Daily	Total Daily	
Chloride		mg/L	Monthly	Grab	
Nitrogen, Total Kjeldahl		mg/L	Monthly	Grab	
Solids, Total		Percent	Quarterly	Grab	
Phosphorus, Total		mg/L	Quarterly	Grab	
Phosphorus, Water Extractable		% of Tot P	Quarterly	Grab	
Potassium, Total Recoverable		Percent	Quarterly	Grab	

Changes from Previous Permit:

No changes because this is a new permit.

Explanation of Limits and Monitoring Requirements

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

Monitoring requirements are based on the Landspreading of Industrial Liquid Wastes general permit the facility was covered under for both of these sample points.

Sample Point Number: 002- DAF SLUDGE

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Sludge Hauled		tons/day	Daily	Total Daily	
Solids, Total		Percent	Quarterly	Grab	
Nitrogen, Total Kjeldahl		Percent	Quarterly	Grab	
Nitrogen, Ammonia (NH ₃ -N) Total		Percent	Quarterly	Grab	
Nitrogen, Organic Total		Percent	Quarterly	Grab	
Chloride		Percent	Quarterly	Grab	
Potassium, Total Recoverable		Percent	Quarterly	Grab	
Phosphorus, Total		Percent	Quarterly	Grab	
Phosphorus, Water Extractable		% of Tot P	Quarterly	Grab	
pH Field		su	Quarterly	Grab	
Lead Dry Wt		mg/kg	Once	Grab	
Zinc Dry Wt		mg/kg	Once	Grab	
Copper Dry Wt		mg/kg	Once	Grab	
Nickel Dry Wt		mg/kg	Once	Grab	
Cadmium Dry Wt		mg/kg	Once	Grab	
PCB Total Dry Wt		mg/kg	Once	Grab	
PCB Total Dry Wt		mg/kg	Once	Grab	

Changes from Previous Permit:

No changes because this is a new permit.

Explanation of Limits and Monitoring Requirements

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

Monitoring requirements are based on the and Landspreading of Industrial Sludge general permit the facility was covered under for this sample point.

Schedules

Land Application Management Plan

A management plan is required for the land application system.

Required Action	Due Date
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Land Application Management Plan: Submit a management plan to optimize the land application system performance and demonstrate compliance with Wisconsin Administrative Code NR 214.	09/30/2025
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Explanation of Schedule

Land Application Management Plan (industrial)- An up-to-date Land Application Management plan is a standard requirement in reissued industrial permits per s. NR 214.17(6)(c), Wis. Adm. Code.

Other Comments

TBD

Attachments

Public Notice - Vernon County Broadcaster, PO Box 472, Viroqua, WI 54665-0472

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Angela Parkhurst Wastewater Specialist

Date: 05/19/25