

Permit Fact Sheet

**** Permit Modification to remove the chlorine limitation and schedule. Changes associated with the modification are highlighted in gray****

General Information

Permit Number	WI-0062561-05-1
Permittee Name and Address	OCEAN SPRAY CRANBERRIES INC KENOSHA 7800 60TH AVE, KENOSHA, WI 53142
Permitted Facility Name and Address	Ocean Spray Cranberries Inc Kenosha 7800 60TH AVE
Permit Term	December 01, 2026 to March 31, 2030
Discharge Location	Discharge to Lake Michigan via a storm sewer system on the southeast corner of the facility, approximately
Receiving Water	PIKE R VIA STORM SEWER in Pike Creek - Kenosha Watershed of Southeast River Basin in Kenosha County
Stream Flow (Q _{7,10})	10:1 Dilution (Discharge to Lake Michigan)
Stream Classification	Cold water community; public water supply
Discharge Type	Existing, Continuous

Facility Description

Ocean Spray receives fresh fruit, fruit juice concentrate, sugar and other ingredients and processes them into fruit juices, sauces, and various other products. The facility has a contact cooling line for can cooling and a noncontact cooling line for juice cooling, whereby spent cooling water can go to the storm sewer or to the process sanitary drain, if needed. A noncontact cooling Line 2 deaerator and runback cooler was added in 2013 and the existing sauce deaerator was taken offline. Additionally, Ocean Spray has created a system in which discharge can be diverted from the storm sewer to the process sanitary sewer manually in the event of an abnormal discharge. The department has found the facility to be in substantial compliance with the current permit.

In previous permit terms temperature was reported at Sampling Point 110 as if it were an in-plant sample point but the location is just outside the facility and is representative of the final discharge that leaves the property. This description is closer to that of a final outfall than it is an in-plant sample point, so for this permit term the temperature reporting requirement is moved to the effluent Outfall 002 with no change to the sampling location.

Substantial Compliance Determination

After a desk top review of all discharge monitoring reports, land application reports, compliance schedule items, and a site visit on 10/14/2024, this facility has been found to be in substantial compliance with their current permit.

Compliance determination made by Nick Lent on 10/22/2024.

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)
002	0.44 MGD (2024)	Effluent: Combined discharge of contact cooling water from the Sauce Can Cooler line (Sample Point 111), noncontact cooling water from the 131 Runback Cooler (Sample Point 112), and noncontact cooling water from the 132 Deaerator and 132 Runback cooler (Sample Point 114). Samples shall be collected from each production line and a flow weighted composite sample should be created. A single grab sample from the flow weighted composite of 111, 112, and 114 should be used.
111	22,829 gpd (2024)	In-Plant: Contact cooling water from the Sauce Can Cooler line. Flow diverted to the sanitary sewer should not be reported on the Discharge Monitoring Report.
112	130,532 gpd (2024)	In-Plant: Noncontact cooling water from the 131 Runback Cooler. Flow diverted to the sanitary sewer should not be reported on the Discharge Monitoring Report.
114	323,433 gpd (2024)	In-Plant: Noncontact cooling water from the 132 Deaerator and 132 Runback Cooler. Flow to the sanitary sewer should not be reported on the Discharge Monitoring Report.
003	N/A	Effluent: Monitoring point at Gangler stormwater detention basin outlet before effluent reaches Lake Michigan.

Permit Requirements

1 Inplant - Monitoring and Limitations

1.1 Sample Point Number: 111- Sauce Can Cooler Discharge; 112- 131 Runback Cooler, and 114- 132 Deaerator & Runback Cooler

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Flow Rate		MGD	Daily	Continuous	

1.1.1 Changes from Previous Permit:

In-plant limitations and monitoring requirements were evaluated for this permit term and no changes were required in this permit section.

Flow units changed to MGD for eDMR consistency purposes. The requirements of the three sample points are identical therefore, the sampling points were combined in the permit document.

1.1.2 Explanation of Limits and Monitoring Requirements

Flow monitoring at these three Inplant sampling points are included in the characterize waste streams contributing to Outfall 002 and provide data for the calculated flow measurement at Outfall 002.

2 Surface Water - Monitoring and Limitations

2.1 Sample Point Number: 002- Discharge to Storm sewer

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Flow Rate		MGD	Daily	Calculated	Calculated total combined flow from In-Plant Sample Points 111, 112, and 114.
BOD5, Total		mg/L	Quarterly	Grab	
Suspended Solids, Total	Daily Max	40 mg/L	Monthly	Grab	
Suspended Solids, Total	Monthly Avg	40 mg/L	Monthly	Grab	
pH Field	Daily Max	9.0 su	Weekly	Grab	
pH Field	Daily Min	6.0 su	Weekly	Grab	
Phosphorus, Total		mg/L	Quarterly	Grab	
Nitrogen, Ammonia (NH3-N) Total		mg/L	Quarterly	Grab	
Oil & Grease (Hexane)		mg/L	Annual	Grab	
Arsenic, Total Recoverable		ug/L	Annual	Grab	
Chlorine, Total Residual		ug/L	Monthly	Grab Comp	
Temperature Maximum		deg F	Daily	Continuous	

2.1.1 Changes from Previous Permit

Effluent limitations and monitoring requirements were evaluated for this permit term and the following changes were made from the previous permit. See additional explanation of limits under “Explanation of Limits and Monitoring Requirements” below.

BOD, TSS, TP, pH, and Ammonia – Sampling frequency for these parameters has been increased.

Arsenic – Annual monitoring added to the permit.

Chlorine – Monitoring reduced to match the monitoring frequency at Outfall 003. The permittee shall collect chlorine samples in both locations on the same day.

Temperature - Reporting of temperature data moved from Sample Point 110 to Outfall 002. No changes in methods of data collection are made with this reporting change.

2.1.2 Explanation of Limits and Monitoring Requirements

Detailed discussions of limits and monitoring requirements can be found in the attached water quality-based effluent limits (WQBEL) memo dated January 9, 2025 and updated January 21, 2025.

Monitoring Frequencies- The Monitoring Frequencies for Individual Wastewater Permits guidance (April 12, 2021) recommends that standard monitoring frequencies be included in individual wastewater permits based on the size and type of the facility, in order to characterize effluent quality and variability, to detect events of noncompliance, and to ensure consistency in permits issued across the state. Guidance and requirements in administrative code were considered when determining the appropriate monitoring frequencies for pollutants that have final effluent limits in effect during this permit term. The monitoring frequencies for this permit were below the base minimum for similar facilities. The department has increased sampling frequency to ensure adequate data is available to determine compliance.

Expression of Limits- In accordance with the federal regulation 40 CFR 122.45(d) and s. NR 205.065, Wis. Adm. Code, limits in this permit are to be expressed as daily maximum and monthly average whenever practicable. This regulation impacts limits for Chlorine.

2.2 Sample Point Number: 003- Gangler Detention Basin Outlet

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Chlorine, Total Residual		ug/L	Monthly	Grab	Monitoring Only

2.2.1 Changes from Previous Permit

Sample frequency reduced and limitations removed.

Explanation of Limits and Monitoring Requirements

Detailed discussions of limits and monitoring requirements can be found in the attached water quality-based effluent limits (WQBEL) memo dated January 9, 2025 and updated January 21, 2025.

Monitoring Frequencies- The Monitoring Frequencies for Individual Wastewater Permits guidance (April 12, 2021) recommends that standard monitoring frequencies be included in individual wastewater permits based on the size and type of the facility, in order to characterize effluent quality and variability, to detect events of noncompliance, and to ensure consistency in permits issued across the state. Guidance and requirements in administrative code were considered when determining the appropriate monitoring frequencies for pollutants that have final effluent limits in effect during this permit term. The sampling frequency for chlorine has been increased because limitations are included in the permit.

Expression of Limits- In accordance with the federal regulation 40 CFR 122.45(d) and s. NR 205.065, Wis. Adm. Code, limits in this permit are to be expressed as daily maximum and monthly average whenever practicable. Therefore, the permit includes additional limits for compliance with this regulation.

Chlorine – Data from April 2025 – March 2026 has shown that residual chlorine being discharged from the plant has reduced by 50%, without any operational changes. The Department has determined Ocean Spray no longer has reasonable potential for chlorine limits pursuant to NR 106.56. Monitoring at a frequency of 1x per month shall continue to ensure chlorine levels do not exceed water quality criteria.

Other Comments

Schedule for including chlorine limit has been removed.

Justification Of Any Waivers From Permit Application Requirements

No waivers requested or granted as part of this permit reissuance

Prepared By: Marissa Fleege Wastewater Specialist

Date: 10/1/2026