Modified Permit Fact Sheet

General Information

Permit Number	WI-0025020-11-1
Permittee Name and Address	VILLAGE OF OSCEOLA Box 217 310 Chieftain Street, OSCEOLA, WI 54020-0217
Permitted Facility Name and Address	Village of Osceola 103 DEPOT ROAD, OSCEOLA, WISCONSIN
Permit Term	February 01, 2026 to June 30, 2030
Discharge Location	103 Depot Road, Osceola, Wisconsin, east bank of the St. Croix River ½ mile south of Highway 243 bridge (NE¼ SE¼ Section 28; T33N-R19W)
Receiving Water	The St. Croix River within the Trout Brook Watershed in the St. Croix River Drainage Basin in Polk County.
Stream Flow ($Q_{7,10}$)	1,100 cfs
Stream Classification	Warm water sport fish (WWSF), exceptional resource water (ERW), non-public water supply and within the ceded territory.
Wild Rice Impacts *(no specific wild rice standards exist at this time)*	No impacts identified. It is assumed that there is wild rice on the St. Croix in Polk County, but surveys have not been conducted. (Evaluation completed March 2017)
Discharge Type	Existing continuous discharger
Annual Average Design Flow (MGD)	0.606 MGD
Industrial or Commercial Contributors	There are no Categorical or Significant Industrial users identified, but Invest Cast Inc.(Metal Casting), F&M Plastics (Plastic Injection Molding), EPC (Plastic Injection Molding), Northwire (Wire Manufacturing), MMP (Injection Molding) are contributing industries.
Plant Classification	A1 - Suspended Growth Processes; B - Solids Separation; C - Biological Solids/Sludges; P - Total Phosphorus; D - Disinfection; SS - Sanitary Sewage Collection System
Approved Pretreatment Program?	N/A

Facility Description

The Village of Osceola owns and operates a domestic wastewater treatment system that serves the communities of Osceola and Dresser. The facility is an activated sludge plant, headworks, chemical addition, oxidation ditch, clarifiers and disinfection.

Waste sludge removed from the clarifiers treated by aerobic digestion and hauled to the West Central Wisconsin Biosolids Facility at Ellsworth for further treatment.

Reason for Modification

An error in the effluent monitoring table was found. The limit type for E. coli was incorrectly listed as a "Monthly Average". This has been replaced with the correct limit type of "Geometric Mean – Monthly" which is consistent with s. NR 210.06(2)(a) Wis. Adm. Code. The E. coli table note was also changed to include the disinfection season of April 15 to October 15. This change is consistent with the previous permit term and s. NR 210.06(1)(c) Wis. Adm. Code.

Permit Requirements

1 Influent – Monitoring Requirements

1.1 Sample Point Number: 701- INFLUENT

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Flow Rate		MGD	Daily	Continuous	
BOD5, Total		mg/L	3/Week	24-Hr Flow Prop Comp	
Suspended Solids, Total		mg/L	3/Week	24-Hr Flow Prop Comp	

Changes from Previous Permit:

The modification does not contain changes to influent limitations or monitoring requirements.

2 Surface Water - Monitoring and Limitations

2.1 Sample Point Number: 001- EFFLUENT

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Flow Rate		MGD	Daily	Continuous	
BOD5, Total	Monthly Avg	30 mg/L	3/Week	24-Hr Flow Prop Comp	
BOD5, Total	Weekly Avg	45 mg/L	3/Week	24-Hr Flow Prop Comp	
Suspended Solids, Total	Monthly Avg	30 mg/L	3/Week	24-Hr Flow Prop Comp	
Suspended Solids, Total	Weekly Avg	45 mg/L	3/Week	24-Hr Flow Prop Comp	
pH Field	Daily Max	9.0 su	3/Week	Grab	
pH Field	Daily Min	6.0 su	3/Week	Grab	
Phosphorus, Total	Monthly Avg	1.0 mg/L	3/Week	24-Hr Flow Prop Comp	
Phosphorus, Total	Monthly Avg	9.2 lbs/day	3/Week	Calculated	See the Total Maximum Daily Load (TMDL) Limitations section below.

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Phosphorus, Total		lbs/yr	Monthly	Calculated	Calculate the 12-month rolling sum of total monthly mass of phosphorus discharged and report on the last day of the month on the DMR. See the Total Maximum Daily Load (TMDL) Limitations section below.
E. coli	~~Monthly Avg~~ Geometric Mean - Monthly	126 #/100 ml	Weekly	Grab	Monitoring and limit effective April 15 through October 15.
E. coli	% Exceedance	10 Percent	Monthly	Calculated	Monitoring and limit effective April 15 through October 15. See the E. coli Percent Limit section below. Enter the result in the DMR on the last day of the month.
Nitrogen, Ammonia (NH3-N) Total		mg/L	Monthly	24-Hr Flow Prop Comp	In 2027 monthly monitoring is required May through October.
Nitrogen, Ammonia (NH3-N) Total	Monthly Avg	108 mg/L	Monthly	24-Hr Flow Prop Comp	Monitoring and limit effective November through April.
Nitrogen, Ammonia (NH3-N) Total	Weekly Avg	108 mg/L	Monthly	24-Hr Flow Prop Comp	Monitoring and limit effective November through April.
Nitrogen, Ammonia (NH3-N) Total	Daily Max - Variable	mg/L	Monthly	24-Hr Flow Prop Comp	Monitoring and limit effective November through April. Enter the daily ammonia result on the eDMR and compare to the Nitrogen, Ammonia Variable Limit column to determine compliance.
Nitrogen, Ammonia Variable Limit		mg/L	Monthly	See Table	November through April use the daily pH result to look up the applicable ammonia limit in the "Ammonia Limitation"

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
					section and report the variable limit on the eDMR.
PFOS		ng/L	1/ 2 Months	Grab	Monitoring only. See PFOS/PFOA Minimization Plan Determination of Need schedule.
PFOA		ng/L	1/ 2 Months	Grab	Monitoring only. See PFOS/PFOA Minimization Plan Determination of Need schedule.
Nitrogen, Total Kjeldahl		mg/L	See Listed Qtr(s)	24-Hr Flow Prop Comp	See the Nitrogen Series Monitoring section for testing schedule.
Nitrogen, Nitrite + Nitrate Total		mg/L	See Listed Qtr(s)	24-Hr Flow Prop Comp	See the Nitrogen Series Monitoring section for testing schedule.
Nitrogen, Total		mg/L	See Listed Qtr(s)	Calculated	Total Nitrogen = Total Nitrogen Kjeldahl (mg/L) + Nitrite + Nitrate Nitrogen (mg/L). See the Nitrogen Series Monitoring section for testing schedule.
Hardness, Total as CaCO3		mg/L	Monthly	24-Hr Flow Prop Comp	Monitoring required during 2028.
Copper, Total Recoverable		mg/L	Monthly	24-Hr Flow Prop Comp	Monitoring required during 2028.
Chloride		mg/L	Monthly	Grab	Monitoring required during 2028.

Changes from Previous Permit

The modification contains a change to the effluent E. coli limit type. An error in the effluent monitoring table was found. The limit type for E. coli was incorrectly listed as a "Monthly Average". This has been replaced with the correct limit type of "Geometric Mean – Monthly" which is consistent with s. NR 210.06(2)(a) Wis. Adm. Code.

The E. coli table note was also changed to include the disinfection season of April 15 to October 15 versus April to October. This change is consistent with the previous permit term and s. NR 210.06(1)(c) Wis. Adm. Code.

Deletions are shown in the table above with a strikethrough and insertions/corrections are highlighted.

3 Land Application - Monitoring and Limitations

3.1 Sample Point Number: 002- HAULED SLUDGE

Monitoring Requirements and Limitations					
Parameter	**Limit Type**	**Limit and Units**	**Sample Frequency**	**Sample Type**	**Notes**
Solids, Total		Percent	Annual	Composite	
Arsenic Dry Wt	Ceiling	75 mg/kg	Annual	Composite	
Arsenic Dry Wt	High Quality	41 mg/kg	Annual	Composite	
Cadmium Dry Wt	Ceiling	85 mg/kg	Annual	Composite	
Cadmium Dry Wt	High Quality	39 mg/kg	Annual	Composite	
Copper Dry Wt	Ceiling	4,300 mg/kg	Annual	Composite	
Copper Dry Wt	High Quality	1,500 mg/kg	Annual	Composite	
Lead Dry Wt	Ceiling	840 mg/kg	Annual	Composite	
Lead Dry Wt	High Quality	300 mg/kg	Annual	Composite	
Mercury Dry Wt	Ceiling	57 mg/kg	Annual	Composite	
Mercury Dry Wt	High Quality	17 mg/kg	Annual	Composite	
Molybdenum Dry Wt	Ceiling	75 mg/kg	Annual	Composite	
Nickel Dry Wt	Ceiling	420 mg/kg	Annual	Composite	
Nickel Dry Wt	High Quality	420 mg/kg	Annual	Composite	
Selenium Dry Wt	Ceiling	100 mg/kg	Annual	Composite	
Selenium Dry Wt	High Quality	100 mg/kg	Annual	Composite	
Zinc Dry Wt	Ceiling	7,500 mg/kg	Annual	Composite	
Zinc Dry Wt	High Quality	2,800 mg/kg	Annual	Composite	
PCB Total Dry Wt	Ceiling	50 mg/kg	Annual	Composite	
PCB Total Dry Wt	High Quality	10 mg/kg	Annual	Composite	
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:

The modification does not contain changes to sludge limitations or monitoring requirements.

4 Schedules

4.1 PFOS/PFOA Minimization Plan Determination of Need

Required Action	Due Date
Report on Effluent Discharge: Submit a report on effluent PFOS and PFOA concentrations and include an analysis of trends in monthly and annual average PFOS and PFOA concentrations. This analysis should also include a comparison to the applicable narrative standard in s. NR 102.04(8)(d), Wis. Adm. Code. This report shall include all additional PFOS and PFOA data that may be collected including any influent, intake, in-plant, collection system sampling, and blank sample results.	06/30/2026
Report on Effluent Discharge and Evaluation of Need: Submit a final report on effluent PFOS and PFOA concentrations and include an analysis of trends in monthly and annual average PFOS and PFOA concentrations of data collected over the last 24 months. The report shall also provide a comparison on the likelihood of the facility needing to develop a PFOS/PFOA minimization plan. This report shall include all additional PFOS and PFOA data that may be collected including any influent, intake, in-plant, collection system sampling, and blank sample results. The permittee shall also submit a request to the department to evaluate the need for a PFOS/PFOA minimization plan. If the Department determines a PFOS/PFOA minimization plan is needed based on a reasonable potential evaluation, the permittee will be required to develop a minimization plan for Department approval no later than 90 days after written notification was sent from the Department. The Department will modify or revoke and reissue the permit to include PFOS/PFOA minimization plan reporting requirements along with a schedule of compliance to meet WQBELs. Effluent monitoring of PFOS and PFOA shall continue as specified in the permit until the modified permit is issued. If, however, the Department determines there is no reasonable potential for the facility to discharge PFOS or PFOA above the narrative standard in s. NR 102.04(8)(d), Wis. Adm. Code, no further action is required and effluent monitoring of PFOS and PFOA shall continue as specified in the permit.	06/30/2027

Explanation of Schedule

The modification does not contain changes to this schedule.

PFOS/PFOA Minimization Plan Determination of Need- As stated above, ch. NR 106 Subchapter VIII – Permit Requirements for PFOS and PFOA Dischargers became effective on August 1, 2022. Section NR 106.98, Wis. Adm. Code, specifies steps to generate data in order to determine the need for reducing PFOS and PFOA in the discharge. Data generated per the effluent monitoring requirements will be used to determine the need for developing a PFOS/PFOA minimization plan. As part of the schedule, the permittee is required to submit two annual Reports on Effluent Discharge.

If the Department determines that a minimization plan is needed, the permit will be modified or revoked/reissued to include additional requirements.

Prepared By: Sheri A. Snowbank Wastewater Specialist **Date:** January 21, 2026