

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INFORMATIONAL HEARING AND INTENT TO REISSUE A WISCONSIN
POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No. WI-0028428-10-0

Permittee: Village of Rosendale, 211 N. Grant Street, Rosendale, WI 54974

Facility Where Discharge Occurs: Rosendale Wastewater Treatment Facility, 158 East Rose-Eld Road, Rosendale, Wisconsin

Receiving Water And Location: An unnamed tributary (WBIC number 134900) to the West Branch of the Fond du Lac River, in the Fond du Lac River Watershed (UF03) of the Upper Fox River Basin, in Fond du Lac County

Brief Facility Description: The Village of Rosendale, located in northern Fond du Lac County, owns and operates a mechanical activated sludge-extended aeration treatment facility with fine screening for primary treatment. Treatment consists of an aeration basin followed by two secondary clarifiers and aerobic digestion with digested solids pumped to a screw thickener. Thickened solids are pumped to a sludge storage tank and then hauled to another wastewater treatment plant for further digestion and/or land application on Department approved agricultural fields. The wastewater treatment facility (WWTF) was upgraded in 2021 to add a mechanical fine screen, new submersible raw wastewater pumps, new packaged activated sludge aerobic treatment, two new circular final clarifiers, a new RAS/WAS pump station, a new aerobic digester, a new screw-type sludge thickener, and a new aerobic sludge storage tank. Treated effluent is discharged through an outfall directly east of the WWTF and directly to an unnamed tributary of the West Branch of the Fond du Lac River.

Summary of Proposed Changes: 1) Updated effluent TMDL-based mass limits for TSS. 2) Updated ammonia nitrogen effluent limits. 3) Reduced monitoring for pH and dissolved oxygen to 5x/week. 4) Addition of Escherichia coli (E. coli) monitoring and limits, to become effective per the Effluent Limitations for E. coli Schedule. 5) Addition of a chloride variance interim limit of 980 mg/L as a daily maximum and updated source reduction measures (SRMs) throughout the permit term. 6) Updated interim effluent limit and addition of TMDL-based mass limits for total phosphorus, to become effective per the Total Phosphorus Schedule. 7) Changed temperature monitoring to year-round. 8) Addition of annual total nitrogen monitoring in rotating quarters throughout the permit term. 9) Addition of a Chronic Whole Effluent Toxicity (WET) testing effluent limit. 10) The year in which land application PCB monitoring is required has been updated to 2026. 11) Addition of PFAS land application monitoring once during the permit term, pursuant to s. NR 204.06(2)(b)9., Wis. Adm. Code. 12) Updated schedules for Chloride Source Reduction Measures (Target Value), TMDL WQBELs for Total Phosphorus, and Disinfection and Effluent Limitations for E. Coli. 13) Updated standard language.

Permit Drafter's Name, Address, Phone and Email: Sarah Donoughe, DNR, 2984 Shawano Ave, Green Bay, WI 54313-6727, (920) 366-6076, Sarah.Donoughe@wisconsin.gov

Basin Engineer's Name, Address, Phone and Email: Mark Stanek, DNR, 625 E Cty Rd Y, Ste 700, Oshkosh, WI 54901, (920) 808-0670, Mark.Stanek@wisconsin.gov

The Department has tentatively decided that the above-specified WPDES permit should be reissued.

Limitations and conditions which the Department believes adequately protect the receiving water are included in the proposed permit. Land application of waste shall be done in accordance with permit conditions and applicable codes. All land application sites shall be approved prior to their use. To receive a list of approved sites, or to be notified of potential approvals, contact the above-named basin engineer.

Proposed Chloride Variance: The Department has determined that a water quality-based effluent limitation (WQBEL) for chloride is needed in this permit to protect aquatic life. As allowed under s. NR 106.83(2), Wis. Adm. Code, the permittee has requested a variance to the chloride WQBEL. In support of this request, the permittee has submitted documentation intended to demonstrate that the cost of complying with the WQBEL through the use of end-of-pipe wastewater treatment may cause substantial and widespread adverse social and economic impacts in the area where the discharger is located. The Department concurs with that assessment; however, this concurrence is subject to USEPA approval before the variance limit may be included in the final reissued permit. In an effort to achieve chloride effluent reductions that are practically and economically achievable within the term of the proposed permit, the Department and the permittee have mutually agreed upon specific permit terms that include an interim limitation, a target limit (or value, as the case may be), and certain source reduction activities. As allowed under s. NR 106.83(3), Wis. Adm. Code, these requirements are contained in the proposed permit.

The Department has determined that a water quality-based effluent limitation (WQBEL) for chloride is needed in this permit to protect aquatic life. While the permittee requested a variance to the chloride WQBEL pursuant to s. NR 106.83(2)(b), Wis. Adm. Code, the permittee and the Department have been unable to agree on voluntary source reduction activities and both an interim limitation and a target value/target limitation to be included as permit requirements. Consequently, pursuant to s. NR 106.83(3)(c), Wis. Adm. Code, the Department has included a chloride WQBEL in the proposed permit.

