

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No.WI-0026891-11-0

Permittee: Village of Baldwin, Baldwin Community Center, Baldwin, WI, 54002

Facility Where Discharge Occurs: Baldwin Wastewater Treatment Facility, 2021 Highway J, Baldwin, WI

Receiving Water And Location: Baldwin Creek in Rush River of Chippewa River (lower) in St. Croix county

Brief Facility Description and Summary of Proposed Changes: The Baldwin Wastewater Treatment Facility treats domestic wastewater from the Village of Baldwin and industrial categorical wastewater from Donaldson Company Inc (metal finishing). The annual average design flow of the current facility is 0.540 million gallons per day (MGD) and the actual annual average influent flow in 2023 was 0.373 MGD. The new treatment facility as of 2023 consists of an influent fine screen (HUBER Rotary Drum Fine Screen), grit removal, two oxidation ditches, two covered final clarifiers, ETS - compact, medium pressure in-line ultraviolet system for disinfection, and post aeration. Sludge is treated via a Membrane Thickener (MBT), transferred to a storage tank and then shipped to the West Central Wisconsin Biosolids Facility (WCWBF). Baldwin also receives centrate from WCWBF, and this is fed into the headworks of the facility. The permittee resubmitted a dissipative cooling (DC) request to the department. After review, the department determined that a free zone of passage exists in the receiving stream and thereby reapproved the DC request. Therefore, no effluent temperature limits are included this permit term, however one year of effluent temperature monitoring will be required. Both Baldwin Creek and the downstream Rush River are considered "disappearing streams" at the point of proposed discharge. Under normal base-flow conditions it is anticipated that all of the effluent will seep into the ground prior to reaching the permanently flowing portion of the Rush River. Therefore, in addition to the surface water limits and monitoring based on surface water criteria, disinfection is year round and an annual waterway inspection is required to monitor and take action for any sinkholes that may develop. Significant monitoring and limitation changes for the upcoming permit term are as follows: 1) influent flow has been changed from "continuous" to "daily" for eDMR reporting purposes, and ammonia nitrogen, and phosphorus sample frequencies have increased to minimum monitoring frequencies (weekly to 3/week) for this size/type of facility, 2) the addition of effluent flow monitoring, 3) addition of annual effluent monitoring for total nitrogen, nitrite + nitrate nitrogen and TKN and effluent flow, 4) fecal coliform limits have been replaced with E. coli limits, 5) addition of acute Whole Effluent Toxicity (WET) testing, 6) addition of monitoring for effluent PFOS and PFOA once every two months and an associated determination of need schedule in accordance with s. NR 106.98(2)(b), Wis. Adm. Code., and 7) PFAS sludge 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 to quantitate risk.

Permit Drafter's Name, Address, Phone and Email: Angela Parkhurst, 1300 W Clairemont Ave, Eau Claire, WI, 54701, Angela.Parkhurst@wisconsin.gov

Basin Engineer's Name, Address, Phone and Email: Adebowale Adesanwo, 1300 W Clairemont Avenue, Eau Claire, WI 54701, (715) 684-2914, adebowale.adesanwo@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.

Dissipative Cooling: The department may account for dissipative cooling of the permittee's treated domestic sewage effluent in determining the need for sub-lethal temperature limits pursuant to s. NR 106.59, Wis. Adm. Code. Based on the department's evaluation it has been determined that sub-lethal effluent limits for temperature are not necessary because the permittee's effluent thermal load is adequately dissipated. Comments on this determination are requested.

Persons wishing to comment on or object to the proposed permit action, or to request a public hearing, may write to the Department of Natural Resources at the above-named permit drafter's address. All comments or suggestions received no later than 30 days after the publication date of this public notice will be considered along with other information on file in making a final decision regarding the permit. Anyone providing comments in response to this public notice will receive a notification of the Department's final decision when the permit is issued. Where designated as a reviewable surface water discharge permit, the U.S. Environmental Protection Agency is allowed up to 90 days to submit comments or objections regarding this permit determination. If no comments are received on the proposed permit from anyone, including U.S. EPA, the permit will be issued as proposed.

The Department may schedule a public informational hearing if requested by any person and shall schedule a public informational hearing if a petition requesting a hearing is received from 5 or more persons or if response to this notice indicates significant public interest pursuant to s. 283.49, Wis. Stats. Requests for a public informational hearing shall state the following: the name and address of the person(s) requesting the hearing; the interest in the

proposed permit of the person(s) requesting the hearing; the reasons for the request; and the issues proposed to be considered at the hearing.

Information on file for this permit action, including the draft permit, fact sheet and permit application, may be inspected and copied at either the above-named permit drafter's office or the above named basin engineer's office, Monday through Friday (except holidays), between 9:00 a.m. and 3:30 p.m. Please call the permit drafter or basin engineer for directions to their office location, if necessary. Information on this permit action may also be obtained by calling the permit drafter at (715) 839-3836 or by writing to the Department. Reasonable costs (15 cents per page for copies and 7 cents per page for scanning) will be charged for information in the file other than the public notice, permit and fact sheet. Permit information is also available on the internet at:

<http://dnr.wi.gov/topic/wastewater/PublicNotices.html>. Pursuant to the Americans with Disabilities Act, reasonable accommodation, including the provision of informational material in an alternative format, will be made to qualified individuals upon request.

NAME OF PUBLISHING NEWSPAPER: The Baldwin Bulletin

ADDRESS OF PUBLISHING NEWSPAPER: 805 Main St., PO Box 76, Baldwin, WI 54002-0076

Date Notice Issued: Tuesday, January 14, 2025