

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No.WI-0040312-08-0

Permittee: Nasonville Dairy Inc, 10898 Highway 10 West, Marshfield, WI, 54449

Facility Where Discharge Occurs: Nasonville Dairy, Inc., 10898 Highway 10 West, Marshfield, WI

Receiving Water And Location: Unnamed Creek 2-11 in Upper Yellow (Wood Co.) River Watershed of Central Wisconsin River Basin in Wood County

Brief Facility Description: The Nasonville Dairy uses on average per week, approximately 1.5 million pounds of milk per day to make American and feta cheese and also produces protein and lactose by ultra-filtration and reverse osmosis. Process wastewaters and condensate of whey (COW) waters flow by gravity from the production operations into a series of in-ground concrete tanks that allow grit to settle and which serve as a lift station pit. Two basket type screens are utilized to remove large solid particles from the pipeline. Wastewaters are periodically pumped into the aerobic treatment tank, which is operated in a sequencing batch reactor (SBR) or continuous mode. A jet mix aeration system is used to maintain required dissolved oxygen concentrations and the required system mixing. The SBR process has been engineered to allow biological phosphorus removal (BPR). Alum is used to polish the wastewater. At the end of the SBR cycle, treated wastewaters are decanted through a dissolved air flotation (DAF) system to clarify the final effluent. Sludge separated by the DAF is either returned to the SBR tank or wasted. Prior to discharge at Outfall 006 (to Unnamed Creek 2-11, an intermittent tributary of the Yellow River), the wastewaters are directed through a reaeration basin. The design flow of the facility is 0.175 million gallons per day (MGD) when operated in sequence batch reactor (SBR) mode and 0.247 MGD when operated in continuous mode. The facility discharged approximately 0.186 MGD in 2025 to surface water. Operational changes during the last permit term include installation of a cooling tower between the DAF and reaeration tank to cool treated effluent prior to discharge to surface water.

Wasted sludge is land applied on Department approved fields or sent to manure pits. A jet mix system is provided to maintain complete-mixed, aerobic conditions in the storage tanks. The proposed permit has two land application outfalls to track and regulate the discharge of co-mingled high-strength wastewater, whey permeate, process wastewater, and sludge.

Permit Drafter's Name, Address, Phone and Email: Holly Heldstab, 1300 W Clairemont Ave, Eau Claire, WI, 54701, (715) 492-0483, Holly.Heldstab@wisconsin.gov

Basin Engineer's Name, Address, Phone and Email: Michael Chang, 1300 W Clairemont Ave, Eau Claire, WI 54701, (715) 491-3639, michael.chang@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.

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) 492-0483 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.