

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No. WI-0027189-08-0

Permittee: Manitowoc Public Utilities, PO Box 1090, Manitowoc, WI, 54221

Facility Where Discharge Occurs: Manitowoc Public Utilities, 701 Columbus Street

Receiving Water And Location: Lake Michigan (Water Body Identification Code number 20) in Manitowoc County

Brief Facility Description and Summary of Proposed Changes: Manitowoc Public Utilities (“MPU”) is a municipal electric, steam, broadband and water utility that operates three steam turbine-generator units that are fueled by coal, petroleum coke, or paper pellets, one natural gas auxiliary boiler, and one diesel generator unit that can burn fuel oil or natural gas and a membrane filtration water treatment plant in the City of Manitowoc. Noncontact cooling water, condenser cooling waters, , backwash water and other wastewaters are discharged via several outfalls located on the shore of Lake Michigan within 1000 feet of each other. The MPU uses Lake Michigan as its source of cooling water and non-contact cooling water (NCCW) for the Power Plant and for the raw water supply to the water treatment facility which are supplied by a common intake system. Sanitary wastewater, traveling screen washwater, clean-in-place wastewater from the water treatment plant, boiler blowdown, carbon filter backwash, reverse osmosis reject, demineralizer wastewater, and miscellaneous other wastewater are directed to the sanitary sewer system. Boiler ash is handled dry and is loaded into trucks for off-site treatment and/or disposal. The facility also has the capability to transport dry ash by rail.

Runoff from the coal and petroleum coke piles is collected in an isolated shore well and flows to a settling tank in the Power Plant pump house. After the settling tank, the wastewater is treated through a filter system and discharged to Lake Michigan via Outfall 003. Settled solids are vacuumed from the settling tanks and processed by a contractor on an as needed basis and processed.

Zebra mussel treatment of the Water Plant pump house wet well is normally performed on an infrequent basis. After isolating the wet wells, the plant pumps down the well and discharges the lake water as outfall 010. Contractors then enter the well and power wash the facility to remove the mussels. The contractor then vacuums up the debris and hauls the material to a landfill for disposal. After isolating the wet wells, the alternate procedure is for the Water Plant to add sodium bisulfite. Five to seven days later, fresh water is added to the wet wells until the oxygen content of the water is above 5 mg/L. The contents of the wet wells are then pumped to Lake Michigan. A screen box is used to remove any debris. The discharge flows over the shore before reaching Lake Michigan. MPU's current permit identifies this discharge as Outfall 010. Once emptied, the wet wells are scraped and power washed with potable water. A vacuum truck removes all debris for landfill disposal and the rinse water is discharged to Outfall 010.

Proposed changes include:

- The addition of sample points 003 and 110
- The removal of sample points 101, 103, and 107
- Monthly monitoring of phosphorus, mercury, and arsenic for one year added at sample points 702 and 004
- Annual monitoring for intake water used exclusively for cooling added at sample points 901, 902, 903, and 904
- Sample point name changed for sample point 004
- Flow rate sample type changed to continuous at sample point 004
- Quarterly monitoring and limits for TSS, pH, and copper added at sample point 004
- Daily monitoring of temperature for one year added at sample point 004 and 009
- Monthly monitoring of PFOS and PFOA added at sample point 004 and 009
- Monthly monitoring of arsenic and mercury added at sample point 009
- Acute and chronic WET testing added at sample point 009
- Impingement mortality BTA schedule added
- PFOS/PFOA minimization plan determination of need schedule added

Permit Drafter's Name, Address, Phone and Email: Sawyer Hanson, DNR, 101 S. Webster St. PO Box 7921, Madison, WI, 53707, (608) 669-4310, Sawyer.Hanson@wisconsin.gov

Basin Engineer's Name, Address, Phone and Email: Trevor Moen, 625 E County Road Y, Suite 700, Oshkosh, WI 54901, (920) 410-5192, Trevor.Moen@wisconsin.gov

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

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 (608) 669-4310 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: Herald Times Reporter

ADDRESS OF PUBLISHING NEWSPAPER: 902 Franklin Street, Manitowoc, WI 54220

Date Notice Issued: Friday, May 3, 2024