

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No. WI-0061441-04-0

Permittee: WI ELECTRIC POWER CO CONCORD STATION, N 8914 County Hwy E, Watertown, WI, 53094

Facility Where Discharge Occurs: WI Electric Power Co Concord Station, N 8914 COUNTY HWY E, WATERTOWN, WISCONSIN

Receiving Water And Location: Rock River (Sinissippi Lake Watershed, UR-08- Upper Rock River Basin)

Brief Facility Description and Summary of Proposed Changes: WI Electric Power Co Concord Station (WE Concord) is a peak load natural gas-fired combustion turbine power plant serving peak demand throughout the year. The days and hours of operation are highly variable. The plant is located in the SW ¼ SE ¼ of Section 11, T8N-R15E in the town of Watertown in Jefferson County. WE Concord consists of four combustion turbine-generators that use natural gas as the primary fuel with low sulfur diesel fuel as an emergency backup. The summer capacity of the plant is 386 megawatts, while the winter capacity is 400 megawatts.

WE Concord takes water from an on-site high capacity well for plant processes, producing purified water for the nitrogen oxides (NOx) control system. The wet NOx control system involves injection of purified water into the combustion process to control temperature and NOx emissions. The injected water is purified by disposable filters, reverse osmosis and continuous electrodeionization (CEDI).

Outfall 001 discharges wastewater from oil/water separator and reverse osmosis system. Since the inlet air cooling system was taken out of service, this outfall no longer contains cooling coil condensate.

Outfall 002 is comprised of reverse osmosis water and/or demineralized groundwater. The multimedia backwash was eliminated from Outfall 002 in June 2023. The maximum discharge from the mobile reverse osmosis system is 1,500 gpd, and the maximum discharge from the mobile demineralizers is 3,000 gpd. Outfall 002 discharges to a drainage ditch approximately 1200 feet from Outfall 001 at the west bank of the Rock River. The effluent reportedly infiltrates to groundwater before reaching the Rock River and does not reach the Rock River during normal operating conditions.

Outfall 003 is comprised of discharge from the oil/water separator from the inlet cooling building, evaporative condenser blowdown, and ice water storage tank discharge. The system consists of two 2.5-million-gallon ice water storage tanks, cooling coils and a mechanical refrigeration system and was used to increase the summer peaking capability of the units. The inlet air cooling system was drained and taken out of service indefinitely in November 2009. The system may be placed back into service in the future, if electrical system demand warrants it; however, there are no plans to reactivate this system during the next permit term. When the outfall was active, it discharged to a drainage ditch approximately 500 feet from Outfall 001 at the west bank of the Rock River which reportedly infiltrates to groundwater before reaching the Rock River and does not reach the Rock River during normal operating conditions.

Permit Drafter's Name, Address, Phone and Email: Jennifer Jerich, DNR, N7725 Hwy 28, Horicon, WI, 53032, (920) 450-4078, Jennifer.Jerich@wisconsin.gov

Basin Engineer's Name, Address, Phone and Email: Ashley Brechlin, 3911 Fish Hatchery Road, Fitchburg, WI 53711, (608) 438-9930, ashley.brechlin@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 (920) 450-4078 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.

PUBLISHING NEWSPAPER: Watertown Daily Times, PO Box 140, Watertown, WI 53094-0140

Date Notice Issued: Tuesday, May 13, 2025