

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No.WI-0001571-10-0

Permittee: Kewaunee Solutions, Inc., N490 State Highway 42, Kewaunee, WI, 54216-9511

Facility Where Discharge Occurs: Kewaunee Solutions, Inc., N490 State Highway 42, Kewaunee, WI

Receiving Water And Location: Shore of Lake Michigan directly east of the facility (44°20'33.0"N 87°32'02.0"W)

Brief Facility Description and Summary of Proposed Changes: Kewaunee Solutions operates a decommissioned nuclear-fueled steam electric power plant which was permanently shut down in May 2013.

About 300,000 gallons of reactor segmentation water is scheduled to be discharged to Outfall 001 over the course of approximately two weeks in 2027 which will be required to meet Nuclear Regulatory Commission (NRC) requirements. High purity deionized water will be trucked to the facility and used for component cleanup and reactor cavity shielding during disassembly. Hydrogen peroxide may be utilized to protect employees from radioactive material. Continual filtering will also be utilized while the water remains in place during the several years of reactor disassembly. Sodium hydroxide and sulfuric acid may also be used if it's necessary to adjust pH. Before the reactor segmentation water is discharged, it will be processed through mechanical filters, carbon filters, and resin beds.

This permit does not include numeric limits on radioactivity because applicable NRC regulations include restrictions on the amount of radionuclides in the discharge.

Proposed Changes Include:

- The removal of sample points 005, 102, 103, 104, 702
- Daily maximum flow rate limit added at sample point 701
- Arsenic monitoring added at sample point 701
- Boron limits added at sample point 001
- Acute WET and temperature monitoring removed at sample point 001
- Wastewater Operator Certification 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: David Haas, 2984 Shawano Avenue, Green Bay, WI 54313-6727, (920) 662-5401, David.Haas@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: **Green Bay Press Gazette**

ADDRESS OF PUBLISHING NEWSPAPER: 435 E Walnut Street, PO Box 23430, Green Bay, WI 54305

Date Notice Issued: Thursday, July 11, 2024