

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION
SYSTEM (WPDES) PERMIT No.WI-0021733-08-0

Permittee: Village of Kewaskum, 204 First St., PO Box 38, Kewaskum, WI 53040

Facility Where Discharge Occurs: Village of Kewaskum, 1000 Fond Du Lac Avenue, Kewaskum, WI

Receiving Water and Location: Milwaukee River (East/West Branch), ½ mile downstream of STH 28 in Washington County

Brief Facility Description and Summary of Proposed Changes: The Village of Kewaskum's upgraded wastewater treatment facility (WTF) was placed in operation on August 15, 2009. The upgraded WTF still operates at an average annual design flow of 0.75 MGD, but the peak day design flow was increased from 1.5 MGD to 2.68 MGD and the peak hour from 2.0 MGD to 3.0 MGD. The design BOD loading is 1458 lb/day and that for suspended solids is 1661 lb/day. Major upgrades to the plant are: new headworks building with mechanically cleaned fine screen and compactor, grit removal system, two new primary clarifier, modification to the three activated sludge aeration basins, two new secondary clarifiers (with modifications to the two existing ones), expansion of the ultraviolet light disinfection system, modification to the sludge digester and improvement to the SCADA system. Flows from the new (main) lift station, the upgraded existing lift station and former pre-aeration tank (now used as storage tank for hauled waste, decant from sludge digester and sludge storage tank) are pumped to the influent receiving chamber in the new headworks building. Treatment processes include screening and grit removal, primary clarification, activated sludge aeration, secondary (final) clarification and ultraviolet disinfection. Ferrous chloride for phosphorus removal is added in the primary clarifier splitter box. Waste biosolids are aerobically digested in 3 tanks, stored onsite in a 1.1 Mgal storage tank and landapplied by a contract hauler (Diamond-F) by injection onto approved agricultural sites. Average plant flow and BOD loading from January 2008-June 2009 are 60% and 50% of their respective design values.

Permit Drafter/Basin Engineer: Timothy Thompson, DNR Service Center, 141 NW Barstow St., Rm 180, Waukesha, WI 53188, (262) 574-2133, thompta@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 basin engineer.

The Department has determined that a water quality-based effluent limitation (WQBEL) for chloride is needed in this permit to protect aquatic life. As allowed under s. NR 106.83(2), Wis. Adm. Code, the permittee has requested a variance to the chloride WQBEL. In support of this request, the permittee has submitted documentation intended to demonstrate that the cost of complying with the WQBEL through the use of end-of-pipe wastewater treatment may cause substantial and widespread adverse social and economic impacts in the area where the discharger is located. The Department concurs with that assessment. In an effort to achieve chloride effluent reductions that are practically and economically achievable within the term of the proposed permit, the Department and the permittee have mutually agreed upon specific permit terms that include an interim limitation, a target limit (or value, as the case may be), and certain source reduction activities. As allowed under s. NR 106.83(3), Wis. Adm. Code, these requirements are contained in the proposed permit.

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 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, 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 and fact sheet (if required), may be inspected and copied at the permit drafter/basin engineer's office, Monday through Friday (except holidays), between 9:00 a.m. and 3:30 p.m. Please call the permit drafter/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 (262) 574-2133 or by writing to the Department. Reasonable costs (usually 20 cents per page) will be charged for copies of information in the file other than the public notice and fact sheet. Permit information is also available on the internet at: <http://dnr.wi.gov/org/water/wm/ww>. 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: Kewaskum Statesman, PO Box 98, Kewaskum, WI 53040-0098

Date Notice Issued: October 29, 2009