State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
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Madison WI 53707-7921

Tony Evers, Governor
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December 5, 2022

Sam's Well Drilling
Jake Redeker
PO Box 150
Randolph, WI 53956

Subject: Cathodic Protection Drillhole Approval, 9101 N 107th Street, Milwaukee, WI 53224 SE ¼ of NE ¼, Sec.06 T08N R21E, Milwaukee County, Lat 43.182817, Long 88.047102

Dear Jake,

The Department of Natural Resources (DNR) has reviewed your application for a cathodic protection drillhole project as required by NR 812.09(4)(q), Wis. Adm. Code. DNR has determined that your application meets the requirements of NR 812, Wis. Adm. Code, and is approved, subject to the following:

CONDITIONS
The following construction or installation features for the cathodic protection drillhole shall be complied with to protect human health and groundwater.

1. Follow the minimum standard conditions on the attached "Acceptable Anode Drillhole Construction" page.

IF contaminated soil is encountered:

2. The drillhole shall be constructed using the mud-rotary method of drilling.
3. The drilling mud and cuttings shall be containerized and properly landfilled.
4. The surface casing must be grouted with neat cement grout.

The DNR has authority under ch. NR812.09(4) Wis. Adm. Code to specify more stringent cathodic protection drillhole locations and construction.
This approval application was evaluated based on information provided to the department and is assumed to be accurate. The department has not inspected the cathodic protection system that is the subject of this application.

NOTICE OF APPEAL RIGHTS
If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to file your petition with the appropriate circuit court and serve the petition on the department. Such a petition for judicial review must name the DNR as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to serve a petition for hearing on the Secretary of the DNR. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

Feel free to contact me, at (715) 492-3751 or aaron.kent@wisconsin.gov if you have any questions.

Sincerely,

Aaron Kent, Hydrogeologist
Bureau of Drinking Water and Groundwater

cc:
David Hanson, DNR (email)
Jennifer Meyer, DNR (email)

Acceptable Anode Drillhole Construction

All anode drillhole construction beyond the 10-foot depth must conform with an approved plan under Ch. NR 812, Wis. Adm. Code. Your design and construction must protect groundwater from potential contamination to be approved by the department. Any design that will demonstrably protect groundwater from potential contamination will be considered by the department.

Some examples of acceptable components of an anode drillhole are:

1. A bentonite or cement grout seal from the ground surface to the bottom of the drillhole if the drillhole is 25 feet or less in depth.

   A bentonite or cement grout seal from the surface to a depth of 25 feet if the drillhole is greater than 25 feet deep.

   The seal prevents the drillhole from acting as a conduit for surface water contaminants or excavation impounded contaminants, thereby preventing contaminants from reaching groundwater.

2. If the drillhole includes a vent, and the vent pipe terminates in a downward bend with a stainless steel, fine mesh screen covering the opening to prevent the entry of vermin.

   The vent terminates at least 12 inches above the surrounding surface grade or 2 feet above the 100-year flood elevation, whichever is higher.

3. If a casing pipe is used, it terminates at least 12 inches above the surrounding grade or 2 feet above the 100-year flood elevation, whichever is higher and the top of any casing is sealed with a department (DNR) approved, vermin proof cap or seal.

Standard Approval Conditions

Anode drillholes shall be installed according to the approved plans and specifications except as modified by this approval.

Approval by the department does not relieve any person of any liability which may result from injury or damage suffered by any other person.

Failure to comply with any condition of an approval or the construction, reconstruction or operation of any drill hole in violation of any statute, rule or department order shall void the approval.

A copy of this drillhole approval must be maintained on the construction site premises and readily available for inspection during construction.

At such time as an anode drillhole is removed from active service, it must be properly decommissioned and sealed as described in s. NR 812.26, Wis. Adm. Code, (Well and drillhole abandonment). A well/drillhole abandonment form must be filed with this department (DNR) for each drillhole that is taken out of service.

A copy of an anode drillhole approval must be provided to future owners of the property on which the anode drillhole(s) is/are constructed until such wells are abandoned according to s. NR 812, Wis. Adm. Code.

Additional Notes

The department (DNR) may require additional information from an applicant in order to determine whether to approve an application for construction of (an) anode drillhole(s).

Copies of Ch. NR 812, Wis. Adm. Code, can be purchased from Document Sales, PO Box 7840, Madison, WI 53707 or by calling (608) 266-3358.

Additional copies of this application form may be obtained from the address on the front of this form or by calling (608) 266-0821 during normal business hours.

You may facilitate the review and approval process for your application submission to the Department of Commerce by including a copy of your DNR approval for construction of (an) anode drillhole(s).