



October 12, 2021

-sent by email-

Mr. Kevin Hedinger
GZA Environmental, Inc.
17975 Sarah Lane
Suite 100
Brookfield, WI 53945

Subject: Extension of Infiltration/Injection Temporary Exemption for
Trent Tube Plant 1, 2188 Church Street, East Troy Wisconsin
DNR BRRTS Activity# 02-65-245827

Dear Mr. Hedinger:

The Department of Natural Resources approves your "Request for Extension and Continuation of Groundwater Treatment Injection Program" (request), which was submitted on September 23, 2021.

The request explains the rationale for a permit extension for continued treatment of chlorinated hydrocarbons in groundwater. The permit extension is needed because the original permit issued on October 7, 2019 (attached) was valid for two years. The request also states that the associated Wisconsin Pollutant Discharge Elimination System permit is active and approved.

The permit extension is granted. The permit expiration date is now October 12, 2023. All other conditions of the original permit remain in force.

Please contact me with questions.

Sincerely,



Jeff Ackerman, P.G.
Hydrogeologist
608-219-2302
jeffrey.ackerman@wisconsin.gov

Attachment: 10-7-2019 original permit



October 7, 2019

Mr. Benne Huston, Environmental Director, Deputy General Counsel
Enpro Holdings, Inc
5605 Carnegie Blvd.
Charlotte, NC 28209

Subject: Infiltration/Injection Temporary Exemption Request for
Trent Tube Plant 1, 2188 Church Street, East Troy Wisconsin
WDNR BRRTS Activity # 02-65-245827

Dear Mr. Huston:

The purpose of this letter is to provide a temporary exemption for the injection of a remedial material into groundwater. A request for a temporary exemption to inject materials to enhance reductive chlorination into groundwater at the Trent Tube site was received from your consultant, GZA, on September 23, 2019. The Department also received a request for a WPDES General Permit for Contaminated Groundwater from Remedial Action Operations on September 23, 2109. This temporary exemption is intended to provide assurances to Enpro Holdings, Inc that the environmental cleanup being conducted in response to a release of contaminants on the Property is being conducted in accordance with s. 292.12, Wis. Stats.

Determination on the NR 812 Injection Prohibition:

The injection prohibition under s. NR 812.05, Wis. Adm. Code, is not applicable in this case because the proposed action is a Department-approved activity necessary for the remediation of groundwater. This letter serves as your approval from the Department to inject remedial compounds to treat chlorinated compounds in groundwater, in accordance with this temporary exemption.

NR 140 Temporary Exemption:

Department approval is hereby granted to Enpro Holdings, Inc for the injection of remedial compounds to groundwater on the Trent Tube property, with certain terms and conditions. The expiration date of this temporary exemption shall be two years from the date of this letter.

The need to obtain a temporary exemption for the injection of a remedial material for which a groundwater quality standard has not been established is required under s. NR 140.28 (1) (d), Wis. Adm. Code. Based on the information provided by your consultant, it appears the requirements for a temporary exemption for the injection of a remedial material for which a groundwater quality standard has not been established under s. NR 140.28 (1) (d) have been or will be met, in accordance with s. NR 140.28 (5) (c) and (d), Wis. Adm. Code.

Department approval is granted with the following terms and conditions:

- A. General:
1. The remedial action for restoring contaminated groundwater or soil, and any infiltrated or injected contaminated water and remedial materials, shall achieve the applicable response objectives required by s. NR 140.24 (2) or s. NR 140.26 (2), Wis. Adm. Code, within a reasonable period of time.
 2. The type, concentration and volume of substances or remedial material to be infiltrated or injected shall be minimized to the extent that is necessary for restoration of the contaminated groundwater.
 3. Any infiltration or injection of contaminated water or remedial material into groundwater shall not significantly increase the threat to public health or welfare, or to the environment.
 4. No uncontaminated or contaminated groundwater, substance or remedial material shall be infiltrated or injected into an area where a floating non-aqueous liquid is present in the contaminated groundwater.
 5. There shall be no expansion of soil or groundwater contamination, or migration of any infiltrated or injected contaminated water or remedial material, beyond the edge of previously contaminated areas, except that infiltration

or injection into previously uncontaminated areas may be allowed if the Department determines that expansion into adjacent, previously uncontaminated areas is necessary for the restoration of the contaminated groundwater, and the requirements of s. NR 140.18 (1), Wis. Adm. Code will be met.

6. All necessary federal, state and local licenses, permits and other approvals are obtained and compliance with all applicable environmental protection requirements is required. A WPDES general permit for Discharge of Contaminated Groundwater from Remedial Action Operations is required for this action.
- B. Specific:
 7. The remedial materials to be injected to the groundwater shall be limited to the compounds included in the September 19, 2019 submittal
 8. The remedial material and injection project shall be as described in the September 19, 2019 submittal.
 9. GZA shall notify the Department of field activities no less than one (1) week before implementation.
 10. In the monitoring plan, include screening for soil vapor as a best management practice, if necessary.
 11. Remediation progress reports shall be submitted with the semi-annual progress reports. The progress reports shall include the groundwater monitoring results. The first report should be submitted not more than 60 days after the first injection. Recommendations as to the next phase of sampling and/or the need for additional treatment shall be included in a future report. This report shall be submitted as soon as the necessary information is available and must be submitted prior to the expiration date of this temporary approval.
 12. Any significant changes based on information from the injection groundwater monitoring reports or results shall be submitted to the Department for approval prior to the changes being implemented. This includes, but is not limited to, adjustments to the volume/mass of the media injected, additional injection points, number of injection events, and/or changes in the type of remediation media used in the injection points.
 13. Modifications to the sampling schedule may be requested.
 14. In the event of future injection activities, the responsible party may apply for an extension of this approval. A request for an extension of this approval must be received by the Department before the expiration date.
 15. Any permit extension approvals will be dependent on WI DNR review of site-specific data or any other information it deems necessary.
 16. Upon completion of the project, the injection holes must be abandoned in accordance with s. NR 141.25, Wis. Adm. Code, and later topped off with grout or native soils if settling occurs, unless converted to NR 141 complying monitoring wells, or an alternative approved by the DNR Project Manager.

Monitoring Conditions:

That the actual volume injected be recorded on an hourly basis for each day of the project and baseline monitoring be performed prior to the first injection event as described in the September 19, 2019 submittal.

After completion of the injection phase of the remedial action (between 30 to 40 days), all monitoring wells be sampled as proposed in the September 19, 2019 submittal.

That a Site-Specific Health and Safety Plan be followed.

That the injection is performed at less than 100 psi at a rate which prohibits solution mounding in the aquifer, and plume disfigurement.

Failure to adhere to the provisions of this temporary exemption may result in the Department requiring revisions to the remedial action design, operation or monitoring procedures, or the revocation of this exemption and the implementation of an alternative remedial action to restore soil or groundwater quality, or both.

If you have any questions regarding this letter, please contact me at 608-275-3303.

Sincerely,



R. Michael Schmoller
Hydrogeologist