



February 11, 2022

Michael Moore
Georgia-Pacific Broadway LLC
1919 South Broadway
Green Bay WI 54307

Via Email Mail Only to michael.moore@gapac.com

Subject: Infiltration/Injection Temporary Exemption Request for
Buth Oil Facility (Former), 1919 South Broadway, Green Bay WI 54307
DNR BRRTS Activity # 02-05-563707, FID #: 405032870
WPDES Permit Site ID: 80088

Dear Mr. Moore:

The purpose of this letter is to approve a temporary exemption for the infiltration of a remedial material into groundwater and soil at the site identified above in accordance with Wisconsin Administrative (Wis. Admin) Code § 140.28(5). The Wisconsin Department of Natural Resources (DNR) received your request for a temporary exemption to infiltrate calcium peroxide into groundwater and soil at the Buth Oil Facility (Former), on January 28, 2022. The DNR also received a complete electronic Notice of Intent (eNOI) and Discharge Management Plan for the *Contaminated Groundwater from Remedial Action Operations* Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-0046566-07-0 on October 27, 2021. A review fee of \$700 was submitted on February 2, 2022. This temporary exemption approval is intended to provide assurances to Georgia-Pacific Broadway LLC that the environmental cleanup being conducted in response to a discharge of hazardous substances on the site is being conducted in accordance with Wisconsin Statutes (Wis. Stat.) § 292.12.

On November 12, 2021, the DNR conditionally approved the Post-Closure Modification Request and Remedial Action Plan, dated October 22, 2021. The report included a description of soil excavation, pre and post remedial groundwater sampling and chemical oxidation via infiltration to remediate residual petroleum contaminated groundwater. One of the conditions of approval was that “a DNR injection/infiltration approval and a WPDES permit are required prior to the injection/infiltration of remedial materials into the subsurface.”

The purpose of this infiltration event is to assist in the remediation of residual contaminated shallow groundwater to remove a continuing obligation applied at the time of case closure in August 2020. Approximately 2,830 lbs of dry powder calcium peroxide will be added to bottom of the remedial excavation and mixed with vadose zone soils with a backhoe. The calcium peroxide will enhance biodegradation in soil and groundwater in the excavation area. Post remedial groundwater sampling will be performed to evaluate effectiveness.

DETERMINATION ON THE NR 812 INJECTION PROHIBITION

The proposed infiltration for remedial activity is approved by the DNR and is therefore not prohibited under Wis. Admin. Code § NR 812.05.

NR 140 TEMPORARY EXEMPTION

DNR approval is granted to Georgia-Pacific Broadway LLC for a temporary exemption in accordance with Wis. Admin. Code § 140.28(5) for the infiltration of calcium peroxide to groundwater and soil on the Buth Oil Facility (Former) property, with terms and conditions.

The expiration date of the temporary exemption shall be 2 years from the date of this letter. DNR approval is granted with the following terms and conditions:

A. Prerequisites for the DNR Granting a Temporary Exemption. Wis. Admin. Code § NR 140.28(5)(c):

1. The remedial action for restoring contaminated soil or groundwater, and any infiltrated or injected contaminated water and remedial materials, shall achieve the applicable response objectives required by Wis. Admin. Code § NR 140.24(2) or § NR 140.26(2) 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 soil or groundwater and be approved by the DNR prior to use.
3. Any infiltration or injection of contaminated water or remedial material into soil or 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 soil or groundwater.
5. There will 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 DNR determines that expansion into adjacent, previously uncontaminated areas is necessary for the restoration of the contaminated soil or groundwater, and the requirements of Wis. Admin. Code § NR 140.18(1) 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. Coverage under the *Contaminated Groundwater from Remedial Action Operations* WPDES General Permit No. WI-0046566-07-0 is required for this action.

B. Specific Requirements. Wis. Admin. Code § NR 140.28(6)(b) and (c):

1. The remedial materials to be injected/infiltrated to the groundwater shall be limited to calcium peroxide.
2. The remedial material and injection/infiltration project shall be as described in Post-Closure Modification Request and Remedial Action Plan from Georgia Pacific dated October 22, 2021, and Post-Closure Modification Request for Groundwater Treatment from Georgia Pacific dated January 28, 2022.
3. Georgia-Pacific Broadway LLC shall notify the DNR of field activities no less than one (1) week before implementation.
4. In the monitoring plan, include screening for soil vapor as a best management practice.
5. Remediation progress reports shall be submitted with the semiannual progress reports. The progress reports shall include the groundwater monitoring results. The first report should be submitted not more than 180 days after the infiltration. 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.
6. Any significant changes based on information from the injection/infiltration groundwater monitoring reports or results shall be submitted to the DNR for approval prior to the changes being implemented at the site.
7. Modifications to the sampling schedule may be requested.
8. In the event of future injection/infiltration 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 DNR before the expiration date of the temporary exemption.
9. Any extension approvals will be dependent on DNR review of site-specific data or any other information it deems necessary.
10. Monitoring Conditions:
 - a. The baseline monitoring must be performed prior to the first injection/infiltration event, for the following groundwater parameters, at the following wells:
 - i. Volatile Organic Compounds (VOCs), dissolved oxygen, oxidation-reduction potential, conductivity and pH.
 - ii. at monitoring wells: Proposed monitoring well in Cap Disturbance Area 1.
 - b. After completion of the infiltration phase of the remedial action (between 30 to 40 days), Proposed monitoring well in Cap Disturbance Area 1 shall be sampled for the parameters listed in 10.a. i[JAGD1].
 - c. A site-specific Health and Safety Plan shall be followed.
 - d. Proposed monitoring well in Cap Disturbance Area 1 shall be sampled for the parameters listed in 10.a.i. on a semi-annual basis unless directed otherwise by the DNR.

- e. Semi-annual groundwater monitoring shall continue until the calcium peroxide is determined to have been fully depleted unless otherwise directed by the DNR.

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

WPDES PERMIT APPROVAL

The DNR determined that the proposed injection/infiltration discharge to groundwater from Buth Oil Facility (Former), located at 1919 South Broadway, is eligible for coverage and is hereby authorized under the *Contaminated Groundwater from Remedial Action Operations* WPDES General Permit No. WI-0046566-07-0. This determination was based on review of a complete eNOI and discharge management plan submitted by Michael Moore, Georgia-Pacific Broadway LLC, and received on October 27, 2021. Download the permit and fact sheet from the DNR General Permits web page at dnr.wisconsin.gov/topic/Wastewater/GeneralPermits.html.

The DNR is also approving the discharge management plan that was submitted with the eNOI in accordance with the *Contaminated Groundwater from Remedial Action Operations* WPDES General Permit No. WI-0046566-07-0. The discharge management plan satisfies the requirements in Section 3 of the general permit.

The proposed injection/infiltration discharge to groundwater is eligible for coverage and is hereby authorized under the *Contaminated Groundwater from Remedial Action Operations* WPDES General Permit No. WI-0046566-07-0 in accordance with Wis. Admin. Code § NR 205.08, subject to the following general permit conditions:

1. **Coverage Effective Date:** Coverage at your facility will become effective under this permit upon the date of this letter until permit coverage termination, revocation or reissuance of the general permit. This permit applies only to the discharge activities and sites described in the eNOI for the above referenced project.
2. **Discharge Management Plan:** The permittee shall operate consistent with the approved discharge management plan. A copy of the discharge management plan shall be retained by the permittee and this plan shall be made available upon DNR inspection or submitted to the DNR upon request. Permittees shall notify the DNR when the discharge management plan is amended to determine if the amendment requires DNR approval.
3. **Reporting:** The permittee is exempt from monitoring and reporting under this general permit and shall follow the terms and conditions of the remedial action plan approval under Wis. Admin. Code ch. NR 724 and the temporary exemption granted under Wis. Admin. Code § NR 140.28(5).
4. **Coverage Termination:** Once the project is completed, please complete and submit a *Notice of Termination* (Form 3400-221) to the DNR, available at dnr.wi.gov/topic/wastewater/GeneralPermits.html.
5. **Change of Authorized Representative:** If you plan on changing the authorized representative contact for the facility or you want to assign a new person to be a duly authorized representative to submit specific permit documents on your behalf, please complete and submit a *Delegation of Signature Authority* (Form 3400-220) to the DNR, available at dnr.wi.gov/topic/wastewater/GeneralPermits.html.
6. **Facility Changes:** If there have been or will be any changes in facility operations that result in new or different wastewater discharges to the waters of the state, please contact the DNR consistent with Section 7.1.6 of the general permit. If reapplication is necessary, please complete a notice of intent (NOI) form for the applicable general permit to verify that your discharge is eligible for that general permit. NOI forms are available at dnr.wi.gov/topic/wastewater/GeneralPermits.html.
7. **Compliance with Permit Conditions:** You are responsible for compliance with the general permit requirements and conditions listed above and all other applicable requirements and conditions contained in the general permit. **To assure you remain in compliance and avoid any enforcement action, please carefully read the general permit.**

LEGAL AUTHORITIES AND APPEAL RIGHTS FOR WPDES GENERAL PERMIT

Wis. Stat. § 283.35(1) authorizes the DNR to issue a general permit applicable to a designated area of the state authorizing discharges from specified categories or classes of point sources located within that area. Upon the request of the owner or operator of a point source, the DNR shall withdraw the point source from the coverage of a general permit and issue an individual WPDES permit for that source in accordance with Wis. Stat. § 283.35(2). Additionally, the DNR may withdraw a point source from the coverage of a general permit and issue an individual WPDES permit if that source meets any of the factors listed in Wis. Stat. § 283.35(3). Issuance of such an individual permit will provide for a public comment period and potentially a public informational hearing and/or an adjudicatory hearing. In lieu of general permit withdrawal, the DNR may refer any violation of a general permit to the Department of Justice for enforcement under Wis. Stat. § 283.91, pursuant to Wis. Stat. § 283.89. To remain in compliance and avoid any enforcement action, please read your permit carefully.

To challenge the reasonableness of or necessity for any term or condition of an issued, reissued or modified general permit, Wis. Stat. § 283.63 and Wis. Admin. Code ch. NR 203 require that you file a verified petition for review with the Secretary of the Department of Natural Resources within 60 days after notice of the permit decision was issued by the DNR. For other permit-related decisions, such as the decision to confer general permit coverage to your facility, that are not reviewable pursuant to Wis. Stat. § 283.63, it may be possible for permittees or other persons to obtain an administrative review pursuant to Wis. Stat. § 227.42 and Wis. Admin. Code § NR 2.05(5) or a judicial review pursuant to Wis. Stat. § 227.52. If you choose to pursue one of these options, you should know that Wisconsin Statutes and Administrative Code establish time periods within which requests to review DNR decisions must be filed.

If you have questions regarding this letter, please contact me at (920)808-0170 or Kevin.McKnight@wisconsin.gov.

Sincerely,



Kevin D. McKnight
Hydrogeologist, Northeast Region
Remediation & Redevelopment Program

cc:

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