



SOUTHEAST REGIONAL OFFICE

May 6, 2021

To: Nicholas J. Bryan, PLS  
Sr. Director – E&C Environmental  
101 W. Third Street, 3<sup>rd</sup> floor  
Williamsport, PA 17701

Re: Temporary Discharge Approval  
Project Name: PA Pipeline Project/ Mariner East 2  
File Type: Industrial-General Correspondence  
West Whiteland Township and Chester County

Dear Mr. Bryan.

This is in response to your submission dated April 15, 2021; April 18, 2021; and April 19, 2021; your letter dated April 22, 2021 and May 4, 2021 requesting approval for a temporary discharge of groundwater dewatering during excavation to Valley Creek (CWF, MF) or Ship Road Run (an Unnamed Tributary to Valley Creek, CWF, MF) in West Whiteland Township, Chester County.

**The temporary discharge approval issued on April 22, 2021 is obsolete and is replaced by this approval.**

The Proposed Project is located near 410 Swedesford Rd, Exton, PA 19341 in the Briar Road bore pit. Groundwater from excavation of trenches which contains solids (i.e. dewatering of the trench) will be discharged to the ground surface, migrate to a wetland, and discharge to a stream. The proposed treatment is a “Rain for Rent” system consisting of a pump followed by a chemical injection point, static mixer and flow meter. ChemTreat P-828L will be added on the suction side of the pump at a concentration of approximately 80 mg/l; however, the dosage will be adjusted based on the concentration of suspended solids. The chemical is on the DEP Approved Chemical Additives List and is a ferric sulfate-based water clarification agent. The groundwater will then be sent to one of four weir tanks (in parallel) with over/under weirs, followed by pumps that send the effluent to one of two sand filters (in parallel). Sediment filter bags will be placed after the sand filters in case extra filtration is needed. Turbidity will be measured in the field and a TSS sample will be collected after the system is operational. The expected duration is three (3) months. The parameters identified as potentially impacting the receiving water from this process (in the absence of any addition of flocculants or other chemical treatment) are Total Suspended Solids (TSS) and turbidity.

The expected pumping rate from the trenches is 250 to 1,000 gallons per minute, with an average flow rate of 500 to 700 gpm, and the treatment system is capable of treating 1,000 gpm. The sand filters are capable of filtering particles to 25 microns at a maximum loading rate of 10 gpm/ft<sup>2</sup>. Sand filters will be used at all times the system is in operation.

If the permittee cannot meet the limitations, then additional treatment to meet the limitations can be used, subject to the terms and conditions of this authorization. As an example, the proposed chemical WTSWW-4200, can be used if necessary, to meet the limitations. This chemical is a wastewater treatment flocculant and is listed on the DEP Approved Chemical Additives list. WTWSS-4200 is an anionic polyacrylamide (PAM) flocculant.

We hereby approve your request to discharge the treated wastewater subject to the following:

1. Notify the Department of Environmental Protection (DEP) Southeast Regional Office's Permits Section prior to proposing or implementing any changes in the Proposed Project at [hhawley@pa.gov](mailto:hhawley@pa.gov) or 484-250-5191 and proceed with any such modifications only if authorized in writing.
2. If the details of the Project described above are changed by: (a) the addition or presence of pollutants in the discharge not previously identified in the request, (b) a significant increase to the concentration of pollutants in the discharge or volume of wastewater treated, or (c) by any other unauthorized change or modification to the Project that harms or poses an imminent risk of harm to public health or the environment, this temporary discharge request is null and void, and the discharge is no longer authorized by this approval.
3. Notify the DEP Southeast Regional Office's Operations Section 24 hours prior to commencing discharge at [rbauer@pa.gov](mailto:rbauer@pa.gov) or 484.250.5970
4. Permission to discharge to sanitary sewers adjacent to the site has been denied by the sanitary sewer system owner and is not authorized by this authorization.
5. The discharge must comply with the following effluent limitations and monitoring requirements:

Parameter	Maximum (mg/l) *
Total Suspended Solids	10
pH (STD)	limits of 6.0 to 9.0
Oil and grease	5 mg/l
Iron, Total	Monitor/Report

Acrylamide**	Non-Detect*
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\* For limit specified as “Non-Detect”, results lower than listed Target Quantitation Limit (TQL) satisfies the compliance. The TQL for acrylamide is 0.05 mg/l.

\*\*Monitor this parameter if the PAM is used.

Effluent sample shall be collected and analyzed for the parameters listed above. At least one representative sample shall be taken within 2 hours of startup and *daily for the first week and 2/week thereafter* until discharge ceases.

- 6. Monitoring results shall be submitted *within 28 days after completion of discharge/monthly, whichever occurs first*, to:

Pennsylvania Department of Environmental Protection  
 Clean Water Program, Operations Section  
 2 East Main Street  
 Norristown, PA 19401

- 7. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance, and replacement of all works associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress, and regress.
- 8. In the event of any unauthorized discharge or other activity at or from the Project that results or may result in adverse effects to the receiving stream or aquatic life, both the Department and the Pennsylvania Fish and Boat Commission shall be notified immediately.
- 9. The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this approval.
- 10. This discharge shall not induce erosion of the ground surface, banks or streambed; appropriate erosion and sedimentation controls shall be installed. Water shall be discharged through an energy dissipater at a controlled rate to minimize erosion.
- 11. The discharge shall comply with the Department’s narrative surface water criteria and other provisions set forth at 25 PA Code § 92a.41(c)), § 95.2(2)), and § 93.6(a)).
- 12. All tests or analysis of environmental samples used to demonstrate compliance with this approval shall be in compliance with laboratory accreditation requirements of Act 90 Of 2002 and 25 PA Code Chapter 252, relating to environmental laboratory accreditation.

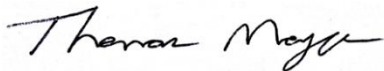
13. Test procedures (methods) for the analysis of pollutants shall be those approved under 40 CFR Part 136, unless an alternative method is specified in this approval or has been otherwise approved in writing by DEP.
14. Test procedures (methods) selected for the analysis of pollutants shall be sufficiently sensitive. A sufficiently sensitive test method is a test method which has an analytical reporting level set at or below the level of effluent limits established in this approval.
15. If the temporary discharge authorized by this approval does not comply with all conditions outlined herein, the discharge constitutes an unpermitted discharge and is subject to all penalty provisions and other enforcement actions under applicable law, including the Clean Streams Law.

This letter does not waive, either expressly or by implication, the power or authority of the Commonwealth of Pennsylvania to prosecute for any and all violations of law arising prior to or after the issuance of this letter or the conditions upon which this letter is based. This letter shall not be construed so as to waive or impair any rights of the Department, heretofore or hereafter existing.

This approval shall expire 180 days from issuance of this letter unless DEP notifies the permittee in writing of an earlier expiration. Any changes to the Project must receive prior approval from DEP.

If you have any questions, please contact Harmonie Hawley, PhD, PE of the Permits Section at [hhawley@pa.gov](mailto:hhawley@pa.gov) or 484-250-5191.

Sincerely,



Thomas L. Magge  
Environmental Program Manager  
Clean Water Program

cc: E&C Environmental Energy Transfer Attn: Jeremy Daniel  
West Whiteland Township  
Chester County Health Department  
Operations Section  
DEP Waterways and Wetlands  
Permits Chief  
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