



SOUTHEAST REGIONAL OFFICE

April 7, 2022

To: Nicholas J. Bryan, PLS
Sunoco Pipeline, L.P., an Energy Transfer Company
535 Fritztown Road
Sinking Spring, PA 19608

Re: Temporary Discharge Approval
PF Name: ME2 Marsh Creek TDA
TDA No. 1521411
Authorization ID No. 1370550
Upper Uwchlan Township, Chester County

Dear Mr. Bryan,

This is in response to your letter dated August 2021, and updated material received on November 30, 2021 and December 3, 2021, requesting approval for a temporary discharge of decant water resulting from dredged material being dewatered using geotextile tubes to Marsh Creek Reservoir which is Un-Named Tributary 00333 to Marsh Creek in Upper Uwchlan Township, Chester County.

The Proposed Project (Project) is located off the intersection of Highway Road and Lakeview Road (40.076833°, -75.716694°). A 14.8-acre portion of Marsh Creek Reservoir/Lake, known as Ranger Cove, will be dredged of approximately 6-inches of sediment. The sediment will be hydraulically removed and pumped to an upland sediment management area (located adjacent to the Reservoir) to be passively dewatered using geotextile tubes. Decant water will be discharged back to the Reservoir within the enclosed dredge area (there is a proposed turbidity curtain). The dewatered sediment will be hauled off-site.

The material dredged from the Lake consists of trace amounts of bentonite/montmorillonite mixed with native lake sediment. ChemTreat P816 E will be added to the dredged material to enhance water removal. The chemical is on the DEP Approved Chemical Additives List and is a water clarification agent. In addition, ChemTreat P891 L will be added to the dredged material. The chemical is on the DEP Approved Chemical Additives List and is an aluminum-based water clarification agent. All onsite chemical storage associated with this TDA must be provided with secondary containment and protection from accidental release. The decant water will be collected and pumped back to the Reservoir. No constituents from the sediment are expected to

be discharged back to the Lake as the constituents in sediment are sorbed to the solids and will be contained within the geotextile tube.

The maximum discharge rate is 500 gallons per minute (gpm) from one location, with a maximum of 2,000 gpm total. The proposed method of disposal is diffusers in a minimum of 4 feet of water. Scouring and erosion of the Lake, including lakeside riparian buffer, bank, and lakebed, must be avoided, as well as turbulence of surface water.

The anticipated duration of the Project is one month.

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 Project at hhawley@pa.gov or 484-250-5191 and proceed with any such modifications only if authorized in writing.
2. If the details of the discharge 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 Department of Environmental Protection (DEP) Southeast Regional Office's Operations Section 24 hours prior to commencing discharge at rbauer@pa.gov or 484.250.5970.
4. Notify DEP (rbauer@pa.gov), the Department of Conservation and Natural Resources (DCNR) (jawassell@pa.gov), and the Pennsylvania Fish and Boat Commission (rbonney@pa.gov) immediately in the event of any unauthorized discharge or other activity at or from the Project, including turbid discharge and/or other discharge from the Project that results or may result in aesthetic and/or adverse impacts to the receiving water or aquatic life, including aquatic resources and habitat.
5. Ability or permission to discharge to sanitary sewers adjacent to the site is impractical and/or has been denied by the sanitary sewer system owner.
6. The discharge must comply with the following effluent limitations and monitoring requirements:

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
Barium	Monitor/Report
Iron, Total	Monitor/Report
Selenium	Monitor/Report
Aluminum	Monitor/Report
Acrylamide**	Non-Detect*

* 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 flocculant 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 the discharge ceases.

- 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

Or rbauer@pa.gov

- The approval herein given is specifically made contingent upon Sunoco Pipeline, L.P. (Discharger) 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

9. The Discharger 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, lakeside riparian buffers or lakebed; 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 outlined in 25 PA Code § 92a.41(c)), § 92a.47(a)(7), § 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 and enforcement provisions under the Clean Streams Law and in the Consent Order and Agreement (CO&A) entered into on December 6, 2021 between DEP, DCNR, and Sunoco Pipeline, L.P.
16. Any discharge and/or other activity undertaken under this approval shall comply with the terms of the Consent Order and Agreement entered into on December 6, 2021 between DEP, DCNR, and Sunoco, as applicable. In the event of any conflict between the terms of the CO&A and this authorization, Discharger shall implement the measure that is most protective of public health, safety, and the environment, including aquatic resources and habitat.

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.

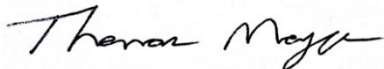
Mr. Bryan

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This approval shall expire 180 days from issuance of this letter. Any significant changes in your proposed procedure 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 or 484-250-5191.

Sincerely,



Thomas L. Magge
Environmental Program Manager
Clean Water Program

cc: AECOM Attn: Joshua Collins
Upper Uwchlan Township
Chester County Health Department
DEP Operations Section
DEP Waterways and Wetlands
Permits Chief
File