

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0244589  
APS ID 1075491  
Authorization ID 1417276

**Applicant, Facility and Project Information**

Applicant Name	<u>Linh Quang Buddhist Temple</u>	Facility Name	<u>Linh Quang Buddhist Temple</u>
Applicant Address	<u>821 Ridge Road</u> <u>Telford, PA 18969-1528</u>	Facility Address	<u>821 Ridge Road</u> <u>Telford, PA 18969-1528</u>
Applicant Contact	<u>Loc Le</u>	Facility Contact	<u>Loc Le</u>
Applicant Phone	<u>(717) 314-6489</u>	Facility Phone	<u>(717) 314-6489</u>
Client ID	<u>292419</u>	Site ID	<u>734956</u>
SIC Code	<u>4952</u>	Municipality	<u>Salford Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Montgomery</u>
Date Application Received	<u>November 4, 2022</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>.</u>		

**Summary of Review**

The applicant requests approval for renewal of an NPEDS permit to discharge 750 gpd (average monthly) of treated sewage from the Ling Quang Budast Temple WWTP to Ridge Valley Creek. Ridge Valley Creek is designated as a High Quality, Trout Stocking Fishery (HQ, TSF) under Chapter 93. The WWTP serves the Linh Quang Buddhist Temple and one 5 bed-room house located at 821 Ridge Road, in Lower Salford Township, Montgomery County.

The facility has been meeting the established effluent limitations after the permit amendment revising some of the limitations on 2016. The amendment increased the limits for the following parameters: Total Nitrogen from 20 to 30 mg/l monthly average, Total Phosphorus from 2.0 mg/l to Report (mg/l) monthly average, and Dissolved Oxygen from 6.0 mg/l to Report Instantaneous Minimum (mg/l).

The 5 bed-room house is inhabited by four full time monks. The Temple facility and has a congregation of 40 to 150 people on typical Sunday service. Four annual holidays have an attendance of up to 200 people, and two annual holidays have an attendance of up to 400 people. Flows will vary from 600 to 2400 GPD. The permittee had proposed flow equalization in the treatment process, in order to discharge uniform flow maximum of 750 gallons per day.

The STP consists of two 2,000-gallon septic tanks in series, both tanks are equipped with an Orenco Biotube effluent filter, the septic tanks are followed by a 2,000 gallon equalization tank, a 1,500 gallon recirculating pump tank, two Orenco Advantex, AX-20 treatment units and a 1,500 gallon UV disinfection tank.

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	12/27/2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	12/29/2022

### Summary of Review

No water quality model was run as the discharge is to a dry swale, dry swale criteria applies (same as the previous approval/review)

The following limits apply to discharges to dry swales and have been included in this permit.

CBOD5 = 10.0 mg/l

TSS = 10.0 mg/l

NH3-N = 5.0 mg/l

DMRs review summary:

- The plan is achieving the original limit of 20 mg/l for Total Nitrogen on most months, but it still goes slightly over 20 on a few occasions. Therefore, keeping the changed limit of 30 mg/l is being recommended.
- The limit for Dissolved Oxygen seems that it may be able to be reverted back to the original limit as the facility has been achieving 6 mg/l.
- The limit for Total Phosphorus seems that it should stay as it has been consistently over 2.0 mg/l. it ranges from 2.0 to 5.0 mg/l.
- The facility seems to be consistently meeting other effluent limitations for CBOD5, TSS, Ammonia-Nitrogen, and Fecal Coliform as the previous issues have been resolved.
- The permit limits should stay same the previously approved/amended limits.
- The change made to the permit limits in 2016 are still considered temporary and may be reverted back to the original limits once the plant demonstrates that it can consistently achieve compliance with the original permit limits.

Draft permit is being recommend for approval – 12/27/2022

#### Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.000705</u>
Latitude	<u>40° 19' 15.71"</u>	Longitude	<u>-75° 26' 8.47"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Ridge Valley Creek (HQ-TSF)</u>	Stream Code	<u>01366</u>
NHD Com ID	<u>25987298</u>	RMI	<u>0.5</u>
Drainage Area	<u>0.036 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.0036 cfs</u>	Q <sub>7-10</sub> Basis	<u>Gage 01472500 Perkiomen</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-E</u>	Chapter 93 Class.	<u>HQ-TSF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		

Changes Since Last Permit Issuance: None

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	<p>DMRs seem acceptable after the previous revisions to limitations. ;Total Nitrogen from 20 to 30 mg/l monthly average, Total Phosphorus from 2.0 mg/l to Report (mg/l) monthly average, and Dissolved Oxygen from 6.0 mg/l to Report Instantaneous Minimum (mg/l). Total Nitrogen have been mostly under 20 mg/l or slightly over 20 mg/l. Total DO have been mostly below 6.0 mg/l. Total Phosphorus have been mostly over 2.0 mg/l ranging between 2 to 5.</p>
<b>Summary of Inspections:</b>	<p>No violations were noted. Please refer to the inspection report for additional details.</p>

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (GPD)	705	Report Daily Max	XXX	XXX	XXX	XXX	2/month	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	2/month	Grab
DO	XXX	XXX	Report Inst Min	XXX	XXX	XXX	2/month	Grab
CBOD5	XXX	XXX	XXX	10.0	15.0	20	1/month	Grab
TSS	XXX	XXX	XXX	10.0	15.0	20	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
Total Nitrogen	XXX	XXX	XXX	30.0	XXX	60	1/month	Grab
Ammonia	XXX	XXX	XXX	5.0	XXX	10	1/month	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab

Compliance Sampling Location:

Other Comments: