COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER PERMIT NO. <u>2322401</u> APS ID. <u>1059157</u>

AUTH. ID. <u>1389048</u>

WATER QUALITY MANAGEMENT PERMIT

Α.	PERMITTEE (Name and Address):	CLIENT ID#: 368824	E	 PROJECT/FACILITY (Nan 	ne):	
	Smith Stephen 1581 Meadow Lane Glen Mills, PA 19342			Smith SRSTP		
C.	LOCATION (Municipality, County):			SITE ID#: 855960		
	Edgmont Township, Delaware Co	unty				
D.	This permit approves the construction and operation of sewage facilities consisting of: The treatment plant that will consist of a 1500- gallon dual chamber septic tank, a textile filter, a return line for denitrification, UV disinfection, a pump station with a 250-gallon wet well, a 27gpm submersible solids handling pump and a rip rap spreader for discharge to the stream edge.					
Thi	s project will generate 500 gallons of s	ewage per day to be treated by SFTF	with a d	ischarge to an intermittent, unn	amed tributa	ary to Chester Creek.
The	proposed treatment plant consists of	the following treatment units:				
The	 An Advantex AX20 Recirculation Disinfection will be provided by The final discharge to the outfangle 	Tar Coated septic tank with Advantex to <i>n filter</i> (with pump unit) to provide filtra an <i>AX</i> UV disinfection unit II will be using a 4"-PVC Sch 40, with ri made contingent that nitrogen-reducing	tion and prap dis	d biological treatment of the effl		·
		em is used which is designed to treat N		ient component be part of the p	oloposed of	
use Indi	of ADvantex filter/Advantax AXUV, th	bly with Small Flow Treatment Facilities erefore, this facility doesn't qualify for o besign Engineer's Report stated that the Sewage Treatment Plants.	coverag	e under general permit (WQG0	1) and requi	ired to submit an
Pur	np Stations:	Manure Storage:	5	Small Flow Sewage Treatment Facility (SFTF):		
Des	sign Capacity: GPM	Volume:MG	/	Annual Average Flow:	<u>0.0005</u>	MGD
		Freeboard: inches	I	Design Hydraulic Capacity:	<u>0.0005</u>	MGD
			I	Design Organic Capacity:		lbs/day
 E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING: New Permits: All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <u>02/25/2022</u>, its supporting documentation and addendums, which are hereby made a part of this permit. 2. Permit Conditions for SFTFs are attached and made part of this permit. 						
F.	THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:					
1.	If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.					
2.	Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.					
3.	This permit is issued pursuant to the shall not relieve the permittee of any	Clean Streams Law Act of June 22, 193 responsibility under any other law.	37, P.L.	1987, as amended 35 P.S. §69	91.1 et seq.	Issuance of this permit
	PERMIT ISSUED:	В	Y:	_/s/		
MAY 9, 2022			TLE:	Thomas L. Magge		

PROTECTION

Permit No. 2322401



Pennsylvania DEPARTMENT OF ENVIRONMENTAL

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

PERMIT CONDITIONS FOR SFTFs

General

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 3. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along, or across private property with full rights of ingress, egress and regress.
- 4. If, at any time, the SFTF covered by this permit creates a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 5. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 5 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the fifth anniversary of the permit date.
- 7. This permit does not relieve the permittee of any obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 8. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confer any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.
- 9. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in the NPDES Permit and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

- 10. The SFTF shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications. Any deviations from approved plans or specifications so revised should, therefore, be submitted well in advance of any construction work, which will be affected by such changes to the permit to allow sufficient time for review and approval. Structural revisions or other minor changes not affecting capacities, flows or operations will be permitted during construction without approval. Upon request, "as-built drawings" clearly showing such alterations shall be filed with DEP at the completion of the work.
- 11. When construction of the approved SFTF is completed and before it is placed in operation, the permittee shall notify DEP in writing so that a DEP representative <u>may</u> inspect the facilities. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the WQM application and design plans submitted to DEP, using the Post Construction Certification form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the SFTF. The certification must be submitted to DEP within 30 days following completion of the SFTF, along with as-built drawings, photographs (if available), and a description of any DEP approved deviations from the NOI and design plans. The SFTF may not be placed into operation until DEP receives the completed Professional Engineer's certification.

12. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

Operation and Maintenance

- 13. The permittee shall maintain SFTF operation and maintenance (O&M) manuals at the facility and ensure proper O&M of the permitted facility. The permittee shall file the O&M manuals with DEP upon request.
- 14. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the SFTF.
- 15. The SFTF shall be properly maintained so that the facility will perform as designed.
- 16. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of the SFTF.
- 17. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code, Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations (40 CFR Part 257) and the Federal Clean Water Act and its amendments.

3800-PM-WSFR0179a 9/2005 Post Construction Certification



DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

WATER QUALITY MANAGEMENT

POST CONSTRUCTION CERTIFICATION

PERMITTEE IDENTIFIER							
Permittee	Smith Stephen						
Municipality	Edgmont Township						
County	Delaware						
WQM Permit No.	2322401						
Facility Type	Sewage						
All of the above information should be taken directly from the Water Quality Management Permit.							
CERTIFICATION							
This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.							
I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.							
Construction Completion Date (MM/DD/YYYY):							
		Professional Engineer					
		Name					
		(Please Print or Type)					
		Signature					
		Date					
		License Expiration Date					
		Firm or Agency					
		Telephone					
		Permittee or Authorized Representative					
		Name					
		(Please Print or Type)					
	Engin	Signature					
	eer's	Title					
	Seal	Telephone					