



WQG-01
WATER QUALITY MANAGEMENT GENERAL PERMIT
FOR SMALL FLOW TREATMENT FACILITIES (SFTF)
PERMIT NUMBER 0602402

A. PERMITTEE (Name and Address) Robert S & Nancy M Kimmel 1485 Elverson Road Elverson, PA 19520-9359 CLIENT ID# 397809	B. PROJECT/FACILITY (Name) Kimmel Res
C. LOCATION (County, Municipality) Caernarvon Township, Berks County	
D. This General Permit approves the construction and operation of Small Flow Treatment Facilities designed according to the <i>Small Flow Treatment Facilities Manual</i> DEP ID 385-2188-005 including proprietary treatment technologies that have been evaluated by DEP's Bureau of Clean Water and have been determined to be capable of achieving the effluent limitations contained in NPDES General Permit PAG-04.	
Design Maximum Daily Flow: 500 gallons per day	
Treatment Tank	
<input type="checkbox"/> Septic Tank <input checked="" type="checkbox"/> Aerobic Tank	
Filtration System	
<input type="checkbox"/> Subsurface Sand Filter <input type="checkbox"/> Recirculating Subsurface Sand Filter	
<input checked="" type="checkbox"/> Accessible Sand Filter System	
Disinfection	
<input checked="" type="checkbox"/> Chlorination <input type="checkbox"/> Ultraviolet (UV) Radiation	
Other DEP-Approved Proprietary Treatment Technology – List manufacturer and model number of the technology proposed for use, if proposing the use of treatment technology other than generic systems designed in accordance with DEP's <i>Small Flow Treatment Facilities Manual</i> . <input checked="" type="checkbox"/> Hypochlorite with sand filter and solids removal	
E. APPROVAL GRANTED BY THIS GENERAL PERMIT IS SUBJECT TO THE FOLLOWING: <ol style="list-style-type: none"> 1. Transfers: WQM No. 0602402 dated April 1, 2002 and conditions, supporting documentation and addendums are also made part of this transfer. 2. The attached conditions apply to this General Permit and are hereby made part of same. 	
F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS: <ol style="list-style-type: none"> 1. If there is a conflict between the NOI or its supporting documents, amendments and the attached conditions, the attached conditions shall apply. 2. DEP may revoke coverage under this general permit if the Permittee fails to comply with DEP's rules and regulations or with the terms and conditions of this general permit. 3. Submission of a Notice of Intent (NOI) is not required for individuals who currently have coverage under this General Permit and who have already commenced construction. The permittee shall be responsible for complying with the final amended General Permit as published in the Pennsylvania Bulletin. If the permittee is unable to comply with the amended General Permit, the permittee must submit an application for an individual WQM permit within 90 days of the publication of the amended General Permit. 4. This General Permit is issued pursuant to the Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this General Permit shall not relieve the permittee of any responsibility under any other law. 	

5. No new SFTF may be constructed under the WQG-01 General Permit until the applicant provides proof of and/or completes all of the following:
 - a. DEP has issued planning approval to the municipality, or an exemption to the requirement for planning applies, for the property on which the SFTF discharge is proposed pursuant to the Pennsylvania Sewage Facilities Act, 35 P.S. § 750.1, et seq., *as amended*, and regulations promulgated thereto, to be suitable for an SFTF discharge.
 - b. The proposed SFTF has met the planning requirements of the Pennsylvania Sewage Facilities Act, including all the requirements of 25 Pa. Code § 71.64 (small flow treatment facilities).
 - c. The NOI proposals includes an SFTF that meets either of the following conditions:
 - i. Generic SFTF technology has been or will be designed, installed and operated in accordance with the DEP's *Small Flow Treatment Facilities Manual* (DEP ID: 385-2188-005); or
 - ii. The SFTF technology is a proprietary treatment technology that has been evaluated as an SFTF by DEP's Bureau of Clean Water and that will meet the effluent limitations contained in Part A of the NPDES PAG-04 General Permit, when used in conjunction with disinfection (tablet chlorination with a chlorine contact tank or UV disinfection). Acceptable technologies may be approved for coverage under WQG-01. Technologies that have been evaluated as of the date of permit issuance are listed in DEP's *Small Flow Treatment Facilities Manual*.
 - d. The applicant has obtained an NPDES permit for the SFTF discharge.
6. Construction and operation of an SFTF is NOT authorized by the General Permit and coverage under the general permit may be denied when one or more of the following conditions exist:
 - a. The NOI is not complete or timely;
 - b. The applicant has not obtained permits required by Chapter 92a (relating to NPDES permitting) when required;
 - c. The applicant is not, or will not be, in compliance with any of the conditions of the General Permit;
 - d. The treatment facility proposed for coverage under the General Permit is not capable of treating wastewater to a degree which will result in compliance with applicable effluent limitations and water quality standards described in Chapter 93;
 - e. DEP determines that such action is necessary for any other reason to ensure compliance with the Clean Water Act, The Clean Streams Law, or Title 25 of the *Pennsylvania Code*.
7. DEP may revoke or suspend previously issued coverage under the General Permit and require the discharger to obtain an individual WQM permit for any of the above reasons.

If DEP requires an applicant to obtain an individual WQM permit, the person must submit a complete WQM permit application within 90 days of receipt of the notification. Failure to submit the application within 90 days shall result in automatic termination of coverage under the General Permit. Timely submission of a complete application shall result in continuation of coverage of the applicable facilities under the General Permit, when the facility demonstrates that it has undertaken efforts to address the reasons for the revocation or suspension of coverage, until DEP takes final action on the pending permit application.

As in the case of individual WQM permits, General Permits may be issued, amended, suspended, revoked, reissued, or terminated in accordance with 25 Pa. Code Chapter 91.

DEP may deny coverage under the General Permit and require submission of an application for an individual WQM permit based on a review of the NOI or other information. If the discharge is to a water with an approved Total Maximum Daily Load (TMDL), DEP may require an individual permit if DEP deems that coverage under the General Permit will not be consistent with the TMDL.

PERMIT ISSUED:

May 4, 2026

BY: Maria D. Bebenek

TITLE: **Clean Water Program Manager**
Southcentral Regional Office



PERMIT CONDITIONS

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 General 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 the Pennsylvania Sewage Facilities Act 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 design plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void two years from the date that coverage was issued under this general permit, unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
7. This General 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 General 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 General 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 must be submitted in advance of any construction work with 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 and the municipality in writing so that a DEP representative may inspect the facilities.

12. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facility was completed in accordance with the NOI 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.

13. The construction, operation and maintenance of a stream crossing and/or outfall is subject to regulation by the Department under 25 Pa. Code Chapter 105 (relating to dam safety and waterway management). The Permittee shall notify the Pennsylvania Fish and Boat Commission's (PFBC) local Waterways Conservation Officer responsible where the construction activities are proposed ten (10) days prior to the start of construction and again upon completion of the project. A written permit must be secured from PFBC if the use of explosives is required and the Permittee shall notify the local Waterways Conservation Officer when explosives are to be used. The project site shall at all times be available for inspection by authorized PFBC officers and employees.

Operation and Maintenance

14. 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.

15. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the SFTF.

16. The SFTF shall be properly maintained so that the facility will perform as designed. For the purpose of compliance with this permit condition, the annual inspection and necessary maintenance required by the NPDES Permit associated with the discharge of this facility provides the minimum standards for proper maintenance. See NPDES permit special conditions for Operation and Maintenance Requirements.

17. 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.

18. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with 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.

Appendix

The following proprietary technologies have been evaluated by the DEP's Bureau of Clean Water and have been determined to be capable of achieving the effluent limitations contained in NPDES General Permit PAG-04, when used in conjunction with disinfection (tablet chlorinator and chlorine contact tank, or ultraviolet disinfection). The technology to be used for the proposed facility:

- Anua – Puraflo Peat Fiber Biofilter Models P150N*XB (where X ranges from 3 to 10)
- Norweco Singulair – Combination of (Models 960, 960LP, 960OP, or Green 960) and Model 960-HKBFR
- Orenco AdvanTex – Models AX20N, AX20RTN, AX25RTN, AX100
- Premier Tech – Ecoflo Models ECC-XXX-P, ECP-XXX-P, STB-570PR, STB-650PR, STB-730-PR

Model Number: **No model number given. Treatment system is an Aerobic Tank with Above Ground Sand Filter, Hypochlorite treatment, and solids removal.**



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**WATER QUALITY MANAGEMENT
 POST CONSTRUCTION CERTIFICATION**

PERMITTEE IDENTIFIER

Permittee	Kimmel Robert S & Nancy M
Municipality	Caernarvon Township
County	Berks
WQM Permit No.	<u>0602402</u>
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): _____

<p>Engineer's Seal</p>	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)
	Signature _____
	Title _____
	Telephone _____