

WATER QUALITY MANAGEMENT PERMIT

A. PERMITTEE (Name and Address): CLIENT ID#: 123978 Allegheny County Sanitary Authority ALCOSAN 3300 Preble Avenue Pittsburgh, PA 15233-1025		B. PROJECT/FACILITY (Name): POC-A-68	
C. LOCATION (Municipality, County): Pittsburgh City, Allegheny County		SITE ID#: 379960	
D. This permit approves the transfer of sewage facilities consisting of 19,671 LF of multi-municipal trunk sewer, 98 manholes, 5 regulators, and 5 combined sewer overflows.			
Pump Stations: _____ Design Capacity: _____ GPM	Manure Storage: Volume: _____ MG Freeboard: _____ inches	Sewage Treatment Facility: Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day	
E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING: 1. Transfers: Water Quality Management Permit No. 4474 dated April 12, 1931 , and conditions, supporting documentation and addendums are also made part of this transfer. 2. Permit Conditions Relating to Sewerage are attached and made part of this permit. 3. Special Conditions First through Twelfth 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 Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.			
PERMIT ISSUED: <u>February 1, 2025</u>		BY:  _____ TITLE: Christopher Kriley, P.E. Clean Water Program Manager Southwest Regional Office	

PERMIT CONDITIONS RELATING TO SEWERAGE

For use in Water Quality Management Permits

(Check boxes that apply)

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 permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- ☒ 3. 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.
- ☒ 4. 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.
- ☐ 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- ☐ 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. If, at any time, the sewerage facilities covered by this permit create 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.
- ☒ 8. 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.
- ☐ 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- ☒ 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- ☒ 11. 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

- ☐ 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.
- ☐ 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- ☐ 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the 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 facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- ☐ 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- ☐ 16. 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

- ☐ 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- ☐ 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- ☒ 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- ☒ 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- ☒ 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- ☒ 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- ☒ 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- ☒ 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- ☒ 25. 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 a sewer manhole.

- ☒ 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- ☒ 27. 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 257 and the Federal Clean Water Act and its amendments.



SPECIAL CONDITIONS

Water Quality Management Permit No. 4474 T-1
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First: All relevant conditions of prior sewage permits issued to the Borough of Etna shall be continued in full force.

Second: During construction no radical changes shall be made from the plans herein approved unless the municipality shall first submit the proposed revision to the Sanitary Water Board and receive written approval thereof.

Third: The works shall be constructed under expert engineering supervision and competent inspection, and in accordance with the plans as herein approved or amended and with the conditions of this permit.

Fourth: During construction of the herein approved sewers, proper care shall be taken to secure tight joints in order to reduce the infiltration of ground water to a minimum, and also to secure straight grades and alignment and smooth interior surfaces in order to deliver the sewage to the outlet in as fresh a condition as possible.

Fifth: A sufficient number of manholes shall be constructed in suitable locations to provide adequate means for proper inspection and thorough cleansing of the sewers. Generally they will be required at junctions, submit ends, changes of line and grade and on straight lines at intervals depending upon the size and grade of the sewer, but in no case exceeding six hundred feet measured along the line of the sewer. Where the change of line or grade is such that cleansing by rods, machine or manual labore can be accomplished without access to the sewer at said point and financial or economic considerations made it desirable, then with the approval of the Sanitary Water Boar a lamphole may be substituted to afford facilities for inspecting and cleansing the sewer and to mark the change of line and grade, provided that the design of the lamphole is such as to insure its continued structural stability and to prevent its unauthorized opening.

Sixth: the public sewers of the municipality shall be maintained by repair when necessary and kept free from deposits by flushing or other proper means of cleansing in order that they may at all times afford a proper means for the prompt conveyance of sewage.

Seventh: On or before December thirty-first of each year the borough shall file in the office of the State Department of Health satisfactory plans of all sewers constructed during that year, together with any other information in connection therewith that may be required, in order that the sanitary water board may at all times have full information ass to the extent and use of the system.

Eighth: The right here in granted to discharge sewage into the waters of the State shall cease on December 31, 1932; provided, however, that if on that date, the conditions of this permit shall have been fulfilled to the satisfaction of the Sanitary Water Board and the general interests of the public appear to be subversed thereby, upon proper application by the municipality there may be granted an

extension of the time during which sewage may continue to be discharged into the waters of the State.

Ninth: The proposed intercepting chambers and the sewers leading therefrom to the proposed intercepting trunk sewer shall be of such capacity as to permit the admission to this sewer of the total dry weather flow of sewage plus the first flush of storm water and only the excess storm water shall be by-passed directly to the stream. The diversion devices shall be so adjusted from time to time as to insure the admission of the first flush of storm water into the proposed sewer.

Tenth: The diversion chambers shall be maintained in such condition that they shall be at all times effectively perform the purpose for which they are intended.

Eleventh: This permit shall not be operative insofar as it relates to the admission of sewage from the sewer system of Shaler Township, Allegheny County into the sewer system of Etna Borough until an agreement, satisfactory to the Sanitary Water Board, shall have been executed between the two municipalities providing for the admission of sewage and a certified copy thereof filed with the Sanitary Water Board.

Twelfth: If at any time the sewerage system of the municipality, or any part thereof, or the discharge of sewage therefrom, shall have created a public nuisance or become a menace or prejudicial to the general interests of the public health, the municipality shall forthwith adopt such remedial measures as the Sanitary Water Board may advise or approve.