

Application Type Amendment,
Major

Facility Type Sewage

Major / Minor Minor

NPDES PERMIT FACT SHEET

Application No. PA0028193 A-2

APS ID 1148322

Authorization ID 1545701

Applicant and Facility Information

Applicant Name	<u>McCandless Township Sanitary Authority</u>	Facility Name	<u>Longvue #2 STP</u>
Applicant Address	<u>418 Arcadia Drive</u> <u>Pittsburgh, PA 15237-5557</u>	Facility Address	<u>Sunderland Drive</u> <u>Pittsburgh, PA 15237</u>
Applicant Contact	<u>William Youngblood</u>	Facility Contact	<u>Edward Bricker</u>
Applicant Phone	<u>(412) 364-2119</u>	Facility Phone	<u>(724) 935-8050</u>
Client ID	<u>75745</u>	Site ID	<u>250310</u>
SIC Code	<u>4952</u>	Municipality	<u>Ross Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Allegheny</u>
Date Published in PA Bulletin	<u>N/A</u>	EPA Waived?	<u>Yes</u>
Comment Period End Date	<u>N/A</u>	If No, Reason	<u></u>
Purpose of Application	<u>Application for NPDES permit amendment for the discharge of treated Sewage</u>		

Internal Review and Recommendations

Introduction

NPDES Permit No. PA0028193 was issued on November 22, 2022, and became effective on January 1, 2023. That permit established a more restrictive WQBEL for total copper. The permit was later amended (A-1) extending the effective date of the final effluent total copper limit to January 1, 2026.

The Authority has submitted this major amendment application to request additional time to comply with the final total copper effluent limit.

Facility Overview



WQM Permit No. 8046 authorized the construction of the plant to treat an annual average design flow of 0.1 MGD and later amended, January 27, 2020, to install a UV system to replace the existing chlorine system for disinfection purposes.

The existing treatment process (high rate trickling filter plant) consists of primary clarification, a trickling filter, secondary clarification, and UV disinfection. The design hydraulic capacity (for Chapter 94 determinations) and design organic capacity of the STP are 0.1 MGD and 680 lbs/day.

The receiving stream, Unnamed Tributary to Girtys Run, is currently classified as a WWF and is located in State Watershed No. 18-A.

Summary of Compliance

The Authority did not conduct a TRE, Site-Specific Data Collection, and did not submit a Final WQBEL Compliance Report, as required by the existing permit. Instead, they decided to install end of pipe treatment technology to meet the final effluent total copper limit and submitted a pilot study to the Department.

Approve	Return	Deny	Signatures	Date
X			 William C. Mitchell, E.I.T. / Environmental Engineering Specialist	October 30, 2025
X			 Mahbuba Iasmin, Ph.D., P.E. / Environmental Engineering Manager	October 30, 2025

Internal Review and Recommendations

The initial pilot study was submitted on February 17, 2023, was approved on March 1, 2023, and sampling started on April 1, 2023. In a later progress report, the Authority informed the Department that the StormBasin heavy metal cartridge filter was not performing as expected and that they are now exploring the use of the Ovivo ultraBLOX SiC membrane filters. The results of the ultraBLOX SiC membrane filters were further discussed in the May 2025 progress report.

In a letter dated August 28, 2025, KLH Engineers (on behalf of the Authority) stated that an alternatives analysis was conducted and in lieu of installing the ultraBLOX filters that the Authority will turn the Longvue #2 STP into a pump station. That pump station will convey flows from this STP to the Authority's Longvue #1 STP (NPDES Permit No. PA0025992).

The Authority has stated that they cannot comply with the final effluent total copper limit until the STP is eliminated and converted to a pump station. The project has a proposed completion date that will occur after the permit expiration date of December 31, 2027. In accordance with § 92a.51(a) Final WQBELs for total copper will take effect December 1, 2027 (59th month from the permit effective date).

§ 92a.51. Schedules of compliance states the following:

- (a) With respect to an existing discharge that is not in compliance with the water quality standards and effluent limitations or standards in § 92a.44 or § 92a.12 (relating to establishing limitations, standards, and other permit conditions; and treatment requirements), the applicant shall be required in the permit to take specific steps to remedy a violation of the standards and limitations in accordance with a legally applicable schedule of compliance, in the shortest, reasonable period of time, the period to be consistent with the Federal Act. Except as otherwise set forth in this subsection, a schedule of compliance specified in the permit must require compliance with final enforceable effluent limitations as soon as practicable, but in no case longer than 5 years, unless a court of competent jurisdiction issues an order allowing a longer time for compliance. Compliance schedules granted to CSO dischargers may exceed 5 years but may not exceed the period of implementation specified in an approved long-term control plan (LTCP).

A forthcoming COA will manage long term compliance and elimination of the Longvue #2 STP. The proposed construction schedule is attached.

The following changes have been made to the existing permit:

- Part A.I.A.1. has been updated to state the interim total copper limit is effective through November 30, 2027
- Part A.I.B.1. has been updated to state the final total copper limit is effective on December 1, 2027
- Part C.III., WQBEL for Toxic Pollutants, has been removed from the permit, as that condition is no longer applicable due to the future elimination of this discharge.
- Part C.III., Schedule of Compliance – Total Copper, has been added consistent with the proposed COA Schedule, **Attachment 1**. Please note that only milestones that occur in the 5-year permit term were included. Compliance milestones that occur after permit expiration will be managed under a forthcoming COA, which will address construction activities, effluent limit violation, and permit termination.

Attachment 1 – Tentative Compliance Schedule (KLH Provided)

MCCANDLESS TOWNSHIP SANITARY AUTHORITY LONGVUE #2 WWTP CONVERSION PROJECT

**PADEP MEETING – SEPTEMBER 2025
9/25/2025 12:30 p.m.
MTSA/PADEP/KLH**

In the meeting itself, it was proposed by PADEP that January 1st, 2026 may not be feasible on their end to have the Consent Order Agreement (COA) ready. To that end, we discuss a generic non-calendar date schedule as shown below:

TENTATIVE CONSENT ORDER AGREEMENT SCHEDULE

- **Day 0 - Consent Order Agreement goes into effect**
- **120 Days After Consent Order start – MTSA submits Act 537 Plan to PADEP**
- **120 Days After Act 537 Plan Submitted to PADEP – Approval of Act 537 by PADEP**
- **90 Days After Approval of Act 537 Plan – WQM Part II Permit submitted to PADEP**
- **270 Days After Submission of WQM Part II Permit – Approval of Part II by PADEP**
- **90 Days After Approval of Part II Permit – MTSA Bids Out Longvue #2 WWTP Conversion Project & Forcemain**
- **60 Days After Bids Out – MTSA Receives Bids for LV2 Conversion & Forcemain Project**
- **60 Days After Bids Received – MTSA Starts Construction of LV2 Conversion & Forcemain Project**
- **540 Days After Construction Starts – Construction Ends**
- **90 Days After Construction Ends – Notice of Termination submitted to PADEP**