



PUBLIC WATER SUPPLY PERMIT

No. 2924505

A. PERMITTEE: (Name and Address)

Pennsylvania Department of Transportation
400 North Street, 6th Floor
Harrisburg, PA 17105

B. PROJECT/PLANT LOCATION

PWS ID No. 4290805Municipality Bethel TownshipCounty Fulton CountyC. THIS PERMIT APPROVES FOR:
AS INDICATED BELOW:1. ☒ **CONSTRUCTION**2. ☐ **OPERATION OF FACILITIES**

Approved Under Construction Permit No. _____

SourceFacilities/TreatmentBVRB

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Groundwater | <input type="checkbox"/> Impoundment | <input type="checkbox"/> General Corrosion Control | <input type="checkbox"/> Bottled Water System |
| <input type="checkbox"/> Purchased Groundwater | <input type="checkbox"/> Clarification | <input type="checkbox"/> Corrosion Control for lead/copper | <input type="checkbox"/> Bulk Water Hauling System |
| <input type="checkbox"/> Surface Water | <input type="checkbox"/> Filtration | <input checked="" type="checkbox"/> Disinfection | <input type="checkbox"/> Vended Water System |
| <input type="checkbox"/> Purchased Surface Water | <input type="checkbox"/> Iron and Manganese Treatment | <input checked="" type="checkbox"/> Pump Station(s) | <input type="checkbox"/> Retail Water Facility |
| | <input checked="" type="checkbox"/> Ion Exchange | <input checked="" type="checkbox"/> Reverse Osmosis | |
| | <input type="checkbox"/> Fluoridation | <input checked="" type="checkbox"/> Finished Water Storage | |
| | <input type="checkbox"/> Distribution Facility | <input checked="" type="checkbox"/> Other <u>Well pump replacement, pressure tanks</u> | |

KNOWN AS: I-70 Warfordsburg Westbound Welcome Center: Well Pump Replacement & Water Treatment Upgrades

LIMIT OF AUTHORIZATION

YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109, OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

THE PLANS, SPECIFICATIONS, REPORTS AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THE PERMIT APPLICATION BECOME PART OF THE PERMIT.

NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.

THIS PERMIT IS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.

THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS 1 through 8.

PERMIT ISSUED**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Date: January 28, 2025

By: Joseph M. Mattucci

Joseph M. Mattucci, Program Manager

Safe Drinking Water Program - Southcentral Regional Office

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This permit is issued subject to all Department of Environmental Protection Rules and Regulations now in force and the following Special Conditions:

1. Upon completion of construction in accordance with the approved plans and specifications, the permittee shall submit the *Certificate of Construction* to the Department. Certification shall state that the work was completed in accordance with the approved plans and specifications and shall be signed by the professional engineer or other person responsible for the work. Certification shall include that adequate operation and maintenance information for the approved facilities is available, on site, for use by the public water system's personnel.
2. Prior to issuance of an Operation Permit, the facilities shall be properly disinfected in accordance with 25 PA Code, Chapter 109.711 of the Safe Drinking Water regulations and by the American Water Works Association (AWWA). The facilities shall be tested for coliform bacteria in accordance with AWWA standards. The samples shall be analyzed by a Department-accredited laboratory. Copies of the satisfactory microbiological test results shall be submitted with the *Certificate of Construction*.
3. The approved pumping rate of Well B is 27 gallons per minute (gpm).
4. Ion Exchange Softening:
 - A. The maximum instantaneous flow rate through the treatment system shall not exceed 22.8 gpm.
 - B. Salt used in the softener shall be NSF Standard 60 certified.
5. TDS Removal:
 - A. No more than 51% of the total system flow shall bypass the TDS treatment.
 - B. Cartridge Filters:
 1. The maximum instantaneous flow rate through the treatment system shall not exceed 11.1 gpm.
 2. The cartridge filter shall be replaced by an ANSI/NSF Standard 61 certified cartridge filter.
 - C. Reverse Osmosis:
 1. The permittee shall collect and analyze samples for total dissolve solids (TDS) concentrations from the raw water of Well B and finished water at Entry Point No. 101 at least weekly. The samples shall be analyzed by a Department accredited laboratory or by a properly certified operator using an appropriate calibrated field analytical test kit. A non-certified operator may also utilize an appropriate calibrated field analytical test kit, provided the analysis is conducted in accordance with standard operating procedures approved by the properly certified operator. These results shall be recorded on the monthly operating report.

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2. The permittee shall collect finished water samples from Entry Point No.101 once per calendar year quarter. The samples shall be analyzed by a Department accredited laboratory for iron and manganese and reported to the Department.

D. Acid Neutralizer:

1. The maximum instantaneous flow rate through the treatment system shall not exceed 11.1 gpm.
2. The acid neutralizer media shall be replaced by CSI NE10 pH neutralizing media only.
3. The acid neutralizer media shall be replaced at least every 6 months to 12 months (per CSI's recommendations).

6. Sodium Hypochlorite Disinfection:

- A. The maximum instantaneous flow rate through the contact tank shall not exceed 20 gpm and the minimum water level in Tank No. 2 shall not be less than 230 gallons (9" water level) in order to maintain a minimum of 20 minutes of disinfection contact time for Entry Point No. 101.
 - B. Sodium Hypochlorite used in the treatment system shall be NSF Standard 60 certified.
 - C. The Public Water System shall be monitored weekly for free chlorine at the entry point. Records of chlorine residual monitoring shall be kept onsite for a minimum of five years and made available to the Department upon request.
 - D. A water quality complaint log, equipment maintenance records, and chemical usage log shall be maintained onsite. These logs and records shall include the amount (gallons per day or inches per day) and mixing ratio of sodium hypochlorite fed daily.
7. An equipment maintenance log shall be maintained onsite. Records shall be kept for a minimum of five years and shall be made available to the Department upon request.
 8. The permittee shall retain the services of a properly certified water operator for the public water system. In the event permittee terminates the contract of the properly certified operator, they shall employ a new, properly certified operator within 10 days.