

September 27, 2023

James Shoemaker, Chairman
West Cornwall Township Municipal Authority
100 S Zinns Mill Road
Quentin, PA 17083

Re: Public Water Supply
Comprehensive Operation Permit No. 7380031
PWS ID No. 7380031
APS ID No. 1096113
Auth ID No. 1453570
West Cornwall Township Municipal Authority
Transfer of Ownership
West Cornwall Township, Lebanon County

Dear James Shoemaker:

Issuance of the enclosed transferred comprehensive operation permit is authorized in accordance with the provisions of the laws of the Commonwealth. Please note the assigned comprehensive operation permit number is your system PWS ID number 7380031.

The most up-to-date regulations for Public Water Supplies, which we believe are self-explanatory, can be found at the following web address:

<http://www.pacode.com/secure/data/025/chapter109/chap109toc.html>

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board) pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800.654.5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717.787.3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717.787.3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

If you have any questions, please contact Thomas Filip at tfilip@pa.gov or at 717.705.4941.

Sincerely,

Joseph M. Mattucci

Joseph M. Mattucci
Program Manager
Safe Drinking Water Program

Enclosures

cc: Jeffrey D. Steckbeck, Municipal Authority Manager



PUBLIC WATER SUPPLY PERMIT

No. 7380031

A. PERMITTEE: (Name and Address)

West Cornwall Township Municipal Authority
100 S Zinns Mill Road
Quentin, PA 17083

B. PROJECT/PLANT LOCATION

PWS ID No. 7380031Municipality West Cornwall TownshipCounty Lebanon CountyC. THIS PERMIT APPROVES FOR:
AS INDICATED BELOW:1. ☐ CONSTRUCTION2. ☒ OPERATION OF FACILITIES

Approved Under Construction Permit No. _____

Source**Facilities/Treatment****BVRB**

- | | | | |
|--|--|---|--|
| <input checked="" 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 checked="" type="checkbox"/> Iron and Manganese Treatment | <input checked="" type="checkbox"/> Pump Station(s) | <input type="checkbox"/> Retail Water Facility |
| | <input type="checkbox"/> Ion Exchange | <input checked="" type="checkbox"/> Transmission Lines | |
| | <input type="checkbox"/> Fluoridation | <input checked="" type="checkbox"/> Finished Water Storage | |
| | <input checked="" type="checkbox"/> Distribution Facility | <input checked="" type="checkbox"/> Other <u>4-Log Treatment of Viruses</u> | |

KNOWN AS: West Cornwall Township Municipal Authority water system.

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, 2, 3, 4, 5, and 6.

PERMIT ISSUED**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Date: September 27, 2023

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. The maximum instantaneous pumping rate from Well No. 4 shall not exceed seventy-five (75) gallons per minute (gpm).
2. Well No. 4 shall not be pumped simultaneously with either Well Nos. 1 and/or 3.
3. The required Zone I wellhead protection area (WHPA) for Well No. 4 is a 100 ft radius around the wellhead. In accordance with 25 Pa Code, Chapter 109.603 (b)(1), the permittee shall own or substantially control through a deed restriction or other methods acceptable to the Department, the 100 ft radius Zone I WHPA in order to prohibit activities within Zone I that may have a potential adverse impact on source quality or quantity.
4. The Entry Point 101 (Well Nos. 1, 3, & 4) treatment facility shall be operated in accordance with the following conditions to provide 4-log treatment of viruses:
 - A. The instantaneous maximum flow through the treatment system shall not exceed 265 gpm.
 - B. The minimum free chlorine residual at the entry point shall not be less than 0.40 mg/L. The entry point is located in the booster pump building on the effluent side of the storage tank piping.
 - C. Continuously monitor and record the free chlorine residual at the entry point while water is served to the public.
5. Well No. 4 Manganese Sequestration Treatment:
 - A. The permittee shall collect and analyze samples for manganese concentrations from the raw water of Well No. 4 at least every 365 days. The samples shall be analyzed by a Department accredited laboratory for total iron and total manganese concentrations.
 - B. The permittee shall collect and analyze finished water samples for manganese concentrations at Entry Point No. 101 at least every 90 days. The samples shall be analyzed by a Department accredited laboratory for total iron and total manganese concentrations.
 - C. The permittee shall report to the Department within one (1) hour following discovery or receipt of any sample result of the finished water which exceeds 0.3 mg/L of manganese.
 - D. Finished water samples shall be obtained at the entry point to the distribution system and analyzed for total phosphate weekly, unless Well No. 4 was not utilized in the previous seven (7) consecutive days. The weekly samples shall be analyzed by a Department accredited laboratory or by the operator of the supply using an appropriate calibrated field analytical test kit. The weekly results shall be maintained on-site and made available to the Department on request.
 - E. The approved sequestration chemical for Well No. 4 is SLI-5320, a 30/70 ortho/poly blended phosphate, as manufactured by Shannon Chemical Corporation. The permittee shall only use a 30/70 ortho/poly blended phosphate and must notify the Department in writing prior to changing the manufacturer of the ortho/poly blended phosphate.

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6. Method 334.0:

- A. The Permittee shall conduct and document routine calibration verifications no less than quarterly for all instruments used for conducting compliance and/or comparative grab sampling and analysis in accordance with Section 11 of EPA's Method 334.0.
- B. Records of all calibration verifications and comparative grab sampling shall be maintained (at the plant, office or on site) and made available to the Department (or other agencies) upon request.
- C. Prior to the Permittee replacing the on-line chlorine analyzer with a different make or model, the Permittee shall contact the Department.

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History of facilities and permits:

Permit No.	Date Issued	Description
7380031	September 27, 2023	Comprehensive Operation Permit - Transfer - Transfer of system ownership from Quentin Water Company, Inc. to the West Cornwall Township Municipal Authority.
3817503	March 2, 2021	Operation Permit - Addition of Well No. 4 (75-gpm) as a source of Supply Well No. 4, VFD controller, sodium hypochlorite disinfection, manganese treatment (sequestration) with Shannon Chemical Corp (SLI-5320), and booster pumping station. GWR 4-log treatment of viruses for EP 101 (Well Nos. 1, 3, & 4). Supersedes Permit No. 3817503 issued 10-8-2020.
3820504 MA	March 2, 2021	Operation Permit - Modification to Well No. 3 (125 gpm) and associated treatment.
3817503	October 8, 2020	Partial Operation Permit - Addition of Well No. 4 (75-gpm) as a source of Supply Well No. 4, VFD controller, sodium hypochlorite disinfection, manganese treatment (sequestration) with Shannon Chemical Corp (SLI-5320). GWR 4-log treatment of viruses for EP 101 (Well Nos. 1, 3, & 4).
3820504 MA	August 20, 2020	Construction Permit - Replacement of the Well No. 3 submersible pump and VFD installation and installation of a sodium hypochlorite disinfection system.
3817503	July 20, 2018	Construction Permit - Addition of Well No. 4 (75-gpm) as a source of Supply Well No. 4, VFD controller, sodium hypochlorite disinfection, manganese treatment (sequestration) with Shannon Chemical Corp (SLI-5320), and booster pumping station. GWR 4-log treatment of viruses for EP 101 (Well Nos. 1, 3, & 4).

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History of facilities and permits:

Permit No.	Date Issued	Description
3816502 MA	July 12, 2016	Construction/Operation Permit - Limited Duration - Utilization of Well No. 4 aquifer test water in the distribution system for duration of the test. Expiration: September 30, 2016 or test completion, whichever occurs first. Supersedes Permit No. 3816502 MA issued 3-15-2016.
3816502 MA	March 15, 2016	Construction/Operation Permit - Limited Duration - Utilization of Well No. 4 aquifer test water in the distribution system for duration of the test. Expiration: June 30, 2016 or test completion, whichever occurs first.
3812501 MA	June 4, 2012	Operation Permit - Change in disinfection chemical from calcium hypochlorite to sodium hypochlorite at Well Nos. 1 & 3. Well No. 1 chemical feed pump replaced.
3812501 MA	March 30, 2012	Construction Permit - Change in disinfection chemical from calcium hypochlorite to sodium hypochlorite at Well Nos. 1 & 3.
3810505 MA	May 3, 2011	Operation Permit - GWR 4-log treatment of viruses for EP 101 (Well Nos. 1 & 3).
3810507	November 17, 2010	Construction/Operation Permit - Limited Duration - Utilization of Well No. 4 aquifer test water in the distribution system for duration of the test. Expiration: May 31, 2011 or test completion, whichever occurs first.
3810505 MA	March 31, 2011	Permit Letter - Addition of two (2) special conditions to Construction Permit No. 3810505 MA issued December 4, 2010.

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History of facilities and permits:

Permit No.	Date Issued	Description
3810505 MA	December 14, 2010	Construction Permit - Piping modifications to Well Nos. 1 & 3 (common line) and the 125,000-gallon storage tank with a new EP 101 at the booster pump station. Well No. 2 abandoned (date unknown). Well No 1 listed as 65 gpm & Well No. 3 at 125 gpm.
3897502	June 19, 1998	Operation Permit - Installation of a new booster pumping station.
3897502	December 30, 1997	Construction Permit - Installation of a new booster pumping station.
3876501	November 13, 1996	Permit Amendment - Interior repainting of the existing 125,000-gallon storage tank. Tank installation date unknown.
3876501	February 26, 1976	Permit: Well No. 3 with disinfection. Reissued due to incorrect permit number. Superseded Permit No. 3676501 issued 2-25-1976.
3676501	February 25, 1976	Permit: Well No. 3 with disinfection. Well and disinfection in use without a permit.
8335-W	January 28, 1954	Permit: Well No. 2 (80 gpm pump) with chlorine disinfection. Well No. 1 is now equipped with a 40 gpm pump.
P-7148	March 30, 1949	Permit: Well No. 1 (30 gpm pump), chlorine disinfection, 25,000-gallon wooden storage tank, and distribution system. Well & storage tank obtained from the Quentin Fire Company.