



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Bureau of Safe Drinking Water
Division of Permits

**GENERAL PERMIT FOR COMMUNITY WATER SYSTEM FINISHED WATER
STORAGE TANK PAINTING:
AUTHORIZATION FOR CONSTRUCTION AND OPERATION**

SAFE DRINKING WATER GENERAL PERMIT - 01
(SDWGP-01)

Issued Date:

Expiration Date:

A. Registration Requirements

1. **SDWGP-01 Application:** The Permittee shall submit a complete *Safe Drinking Water General Permit – 01 (SDWGP-01): Community Water System Finished Water Storage Tank Painting Application* (3940-PM-BSDW0004) to the Pennsylvania Department of Environmental Protection (DEP).
2. **SDWGP-01 Authorization:** If the application is approved by DEP, the Permittee shall receive a signed copy of SDWGP-01 from DEP authorizing coverage under SDWGP-01.
3. **Eligibility:**
 - a. Finished water storage tanks (storage tanks) used to provide the required 1.0 log Giardia or 4.0 log virus inactivation chlorine contact time for the entry point do not qualify for SDWGP-01. Instead, the public water system will be required to obtain a Public Water System Minor Amendment Construction Permit that meets the requirements of 25 Pa. Code § 109.503, with a detailed explanation of how the required chlorine contact time will be achieved while the storage tank is out of service.
 - b. DEP may require the Permittee to apply for and obtain a Public Water Supply Minor Amendment Construction Permit by notifying the Permittee based on review of the SDWGP-01 application.
4. **ANSI/NSF Standard 61:** The Permittee shall only utilize coatings that are certified to [American National Standards Institute \(ANSI\)/NSF Standard 61](#).
5. **Coating Application:** The Permittee shall mix and apply to the coatings in accordance with the [ANSI/American Water Works Association \(AWWA\) Standard D102 Coating Steel Water Storage Tanks](#).
6. **Surface Preparation:** The Permittee shall prepare interior steel surfaces in accordance with the [ANSI/AWWA Standard D102 Coating Steel Water Storage Tanks](#).
7. **Interior Preparation:** The Permittee shall follow the [AWWA Standard D100 Welded Steel Tanks for Water Storage](#) while welding the interior of the tank.
8. **Pressure and Peak Demands:** **The Permittee shall provide a detailed explanation of how pressure will be maintained, and peak demands will be met while the storage tank is out of service.** Utilization of a portable ANSI/NSF 61 hydropneumatic tank or permitted existing storage tank or pump station would be acceptable. If additions of unpermitted pumps or unpermitted storage tanks are a requirement to maintain pressure or demand, a minor permit amendment would be required.
9. **Pressure and Peak Demands Testing:** The method for maintaining pressure and meeting peak demands while the storage tank is out of service must be tested with the storage tank full and isolated from the system. This allows the storage tank to be returned to service if necessary (to maintain pressure or meet peak demands), and other options can be explored. While the storage tank is isolated from the system, a 0.2 mg/L disinfectant residual must be maintained within the storage tank.

10. **Fire Protection:** If the system provides fire protection, the Permittee shall verify the local fire department was notified of any potential fire flow deficiencies with the storage tank being out of service.
11. **Disinfection:** After the work is completed, the Permittee shall disinfect the interior of the tank utilizing one of the procedures set forth in the latest edition of [AWWA Standard C652 Disinfection of Water Storage Facilities](#). Special Conditions will be included in the permit for this requirement.
12. **Disinfectant Residual:** After disinfecting the storage tank, the Permittee shall maintain a disinfectant residual of at least 0.2 mg/L in the storage tank at all times until the tank is placed back into service. If the residual falls below 0.2 mg/L, the water supplier shall disinfect the tank again, and obtain satisfactory bacteriological test results before placing the tank into service. Special Conditions will be included in the permit for this requirement.
13. **Volatile Organic Chemical (VOC) Testing:** After the storage tank painting project (project) is completed, the Permittee shall have the water from the storage tank sampled at least 24 hours after the tank is filled and have the sample(s) analyzed by a Department-accredited laboratory for volatile organic chemicals (VOCs) (EPA Methods 502.2, 524.2 or 524.3). A Special Condition will be included in the permit for this requirement.
14. **Expiration:** The base general permit, SDWGP-01, will expire five years from the date of its issuance. If DEP reissues SDWGP-01 upon expiration or modifies SDWGP-01 during its current term, a Permittee with approval under SDWGP-01 may perform the approved work with the terms and conditions of the modified or reissued SDWGP-01, unless DEP notifies the Permittee in writing that a new application is required.
15. **Other Requirements:** No condition of SDWGP-01 releases the permittee from any responsibility or requirements under other Federal, State, or Local regulations, statutes, or ordinances.

B. Conditions of Operation

Failure to comply with 25 Pa. Code Chapter 109 of DEP's rules and regulations or the terms and 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 DEP. This permit is issued by the DEP under the authority of the Pennsylvania Safe Drinking Water 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.

The authority granted by coverage under SDWGP-01 is subject to the following further qualifications:

1. The Permittee shall comply with the terms and conditions of the SDWGP-01.

2. The Permittee's failure to comply with the terms, conditions, or limitations of the SDWGP-01 is grounds for DEP to take an enforcement action, or to terminate or revoke coverage under SDWGP-01.
3. This authorization of SDWGP-01 does not authorize any activities other than the construction or modification as per the terms and conditions of SDWGP-01.
4. The permittee's coverage under SDWGP-01 will expire two years from the date of its approved authorization.
5. The Permittee shall notify DEP at least 48 hours prior to isolating and draining the finished water storage tank (storage tank).
6. Prior to returning the storage tank to operation, the storage tank shall be properly disinfected in accordance with 25 Pa. Code § 109.711 of DEP's Safe Drinking Water regulations and the most recent procedures established by the American Water Works Association (AWWA). Water from the storage tank shall be tested for total coliforms in accordance with AWWA standards. The samples shall be analyzed by a DEP-accredited laboratory. Copies of all microbiological test results shall be submitted to DEP within the 24 hours of receiving the results.
7. After disinfecting the storage tank, the Permittee shall maintain a disinfectant residual of at least 0.2 mg/L in the storage tank at all times until the storage tank is placed back into service. If the residual falls below 0.2 mg/L, the water supplier shall disinfect the storage tank again, and again obtain satisfactory bacteriological test results from a DEP-accredited laboratory before placing the storage tank into operation. The Permittee shall sample at least daily and provide one sample that is within four hours of returning to operation.
8. Prior to returning the storage tank to operation, water from the storage tank shall be sampled and tested for volatile organic chemical (VOC) content utilizing United States Environmental Protection Agency (EPA) Method 524.2 or EPA Method 502.2. The storage tank shall be filled with water for at least 24 hours prior to the collection of the VOC sample. The sample shall be analyzed by a DEP-accredited laboratory.
9. If any of the bacteriological result are positive, any regulated VOC concentration exceeds a maximum contaminant level (MCL), or any nonregulated VOC is found to be present at a concentration that is greater than the method detection limit, the storage tank may not be returned to service until DEP first approves its use, in writing.
10. Upon completion of construction and testing, the Permittee shall submit a *Certificate of Construction* form ([3900-FM-BSDW0062](#)), copies of the bacteriological test results, chlorine residual results, and copies of the VOC test results to DEP. The *Certificate of Construction* form (available on DEP's [eLibrary](#) website) shall be provided to DEP within 24 hours of returning the storage tank to operation (or next business day).

DEP accepts applications, including electronic payments, via the [Public Upload with Payment Submission](#) webpage. If using the Public Upload option, the fee must be paid online at the time of submission.

For submittals not made through [Public Upload with Payment Submission](#) webpage, original signed documents, plus one set of copies, of the above information are required to be submitted to the appropriate DEP Regional Office. Paper copies of the application with a physical check should be addressed to: *PA DEP - Safe Drinking Water Program* and be mailed to the DEP Regional Office having jurisdiction in the applicant's county.



DEP Regional Offices and Counties Served

Southeast Regional Office

2 East Main Street
Norristown, PA 19401
Phone: 484-250-5960

Counties: Bucks, Chester, Delaware, Montgomery, Philadelphia.

Northeast Regional Office

2 Public Square
Wilkes-Barre, PA 18701-1915
Phone: 570-826-2511

Counties: Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, Wyoming.

Southcentral Regional Office

909 Elmerton Avenue
Harrisburg, PA 17110-8200
Phone: 717-705-4706

Counties: Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, York

Northcentral Regional Office

208 West 3rd Street - Suite 101
Williamsport, PA 17701
Phone: 570-327-3653

Counties: Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union.

Southwest Regional Office

400 Waterfront Drive
Pittsburgh, PA 15222-4745
Phone: 412-442-4000

Counties: Allegheny, Beaver, Cambria, Fayette, Greene, Somerset, Washington, Westmoreland.

Northwest Regional Office

230 Chestnut Street
Meadville, PA 16335-3481
Phone: 814-332-6848

Counties: Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, Warren.