

SDWGP-01 SAFE DRINKING WATER GENERAL PERMIT - 01: COMMUNITY WATER SYSTEM FINISHED WATER STORAGE TANK PAINTING INSTRUCTIONS

Remove and recycle these instructions prior to mailing to the approving agency.

GENERAL INSTRUCTIONS

A complete *Safe Drinking Water General Permit – 01 (SDWGP-01): Community Water System Finished Water Storage Tank Painting Application* (3940-PM-BSDW0004) shall be submitted to and approved by the Pennsylvania Department of Environmental Protection (DEP) prior to the painting of the interior of an existing community water system finished water storage tank (storage tank). This application must be signed by the appropriate individual identified in [25 Pa. Code § 109.503\(a\)\(1\)\(i\)](#) of DEP's Safe Drinking Water regulations and a Professional Engineer licensed in Pennsylvania.

Note: Each finished water storage tank being painted requires a separate SDWGP-01 application.

In order to qualify for SDWGP-01, the storage tank painting project (project) must meet the requirements in **Section B** of the application. Projects not meeting these requirements may still be approved; however, 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](#).

All SDWGP-01 application packages **must** contain, at a minimum:

- *SDWGP-01: Safe Drinking Water General Permit – 01: Community Water System Finished Water Storage Tank Painting Application* (3940-PM-BSDW0004)
- \$500 General Permit Fee (payable to the "Commonwealth of Pennsylvania")
- An Engineer's Report
 - See DEP's *Public Water Supply Manual – Part II: Community System Design Standards* ([383-2125-108](#))
 - The Engineer's Report is to provide sufficient information on the operation and hydraulics of each process to enable DEP to determine compliance with accepted design standards related to the storage tank painting project.
- Coating Specifications (must be ANSI/NSF Standard 61 Certified)

For additional information on gathering the supporting data for a SDWGP-01 application, refer to DEP's *Public Water Supply Manual – Part II: Community System Design Standards* ([383-2125-108](#)), available on DEP's [eLibrary](#) website.

SECTION A: APPLICANT INFORMATION

Public Water System (PWS) Name: Enter the organization name of the facility that will be used on official documents by the PWS.

Public Water System Identification Number (PWSID No.): Enter the PWSID Number.

Contact Person Information: Enter the name, title, address, telephone number, and email address for the contact person of the system.

Site Information: Enter the name, address, municipality, county, latitude, and longitude of the storage tank to be repainted.

Consultant Information: Enter the name, title, address, telephone number, email address, and license number of the Professional Engineer Licensed in Pennsylvania for the project.

SECTION B: PROJECT REQUIREMENTS AND INFORMATION

In order to qualify for SDWGP-01, the project must meet all of the design requirements in this section. Projects not meeting these requirements may still be approved, however, 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](#).

Qualifications

1. **Chlorine Contact Time:** If the storage tank to be painted is used to provide the required chlorine contact time for an entry point, SDWGP-01 **may not be utilized**. 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. Indicate if the storage tank being painted is used for storage only (that is, the storage tank being painted is not used to provide the required chlorine contact time) by checking the box next to “Yes.”

Coating Information

2. **ANSI/NSF Standard 61 Coatings:** All the coatings being applied to the interior of the storage tank must be certified for conformance with [American National Standards Institute \(ANSI\)/NSF Standard 61](#).
3. **Coating Application:** All the coatings must be mixed and applied in accordance with the [ANSI/American Water Works Association \(AWWA\) Standard D102 Coating Steel Water Storage Tanks](#).
4. **Coating Specifications:** Enter the coating specifications that will be used for each coat and the range of thickness that will be applied (in mils).

Interior Preparation

5. **Interior Preparation:** All interior steel surfaces must be prepared in accordance with [ANSI/AWWA Standard D102 Coating Steel Water Storage Tanks](#).
6. **Welding:** All welding done on the interior of the storage tank must be done in accordance with [ANSI/AWWA Standard D100 Welded Steel Tanks for Water Storage](#).

Pressure and Peak Demands

7. **Pressure Maintained:** Enter a detailed explanation on how pressure will be maintained, and peak demands will be met, while the storage tank is out of service during the storage tank painting.
8. **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 for other options to 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.
9. **Fire Protection:** If the system provides fire protection, verify in writing that the local fire department was notified of any potential fire flow deficiencies with the storage tank being out of service.

Disinfection and VOCs

10. **Disinfection:** After the storage tank painting is completed, the interior of the storage tank must be disinfected utilizing one of the procedures set forth in the latest edition of [AWWA Standard C652 Disinfection of Water Storage Facilities](#). A Special Condition will be included in the permit for this requirement. See DEP's fact sheet *Planned and Unplanned Discharges of Chlorinated Water to Surface Waters* ([3830-FS-DEP4861](#)) for information on chlorinated water discharges.
11. **Volatile Organic Chemical (VOC) Testing:** After the storage tank painting is completed, water from the storage tank must be sampled at least 24 hours after the storage tank is filled and prior to the storage tank being returned to service and the samples must be analyzed by a DEP-accredited laboratory for VOCs using United States Environmental Protection Agency (EPA) Methods 502.2 or 524.2. A Special Condition will be included in the permit for this requirement.

SECTION C: SIGNATURES AND SEAL

Licensed Professional Engineer's Signature: The Professional Engineer Licensed in Pennsylvania for the project must sign the application.

Licensed Professional Engineer's Seal: The Professional Engineer Licensed in Pennsylvania for the project must stamp or seal the application.

Application Checklist: All SDWGP-01 application packages **must** contain the following five (5) components, at a minimum. Failure to include all components will result in application being incomplete. Please indicate if these items are included by checking the proper boxes.

- SDWGP-01: Safe Drinking Water General Permit - 01: Community Water System Finished Water Storage Tank Painting Application (3940-PM-BSDW0004)
- \$500 General Permit Fee (payable to the "Commonwealth of Pennsylvania")
- An Engineer's Report
 - See DEP's *Public Water Supply Manual – Part II: Community System Design Standards* ([383-2125-108](#))
 - The Engineer's Report is to provide sufficient information on the operation and hydraulics of each process to enable the DEP to determine compliance with accepted design standards related to the storage tank painting project.
- Coating Specifications (must be ANSI/NSF Standard 61 Certified)

Applicant's Signature: The applicant must print their name, sign the application, and provide the date of signature. The application must be signed as follows:

- In the case of corporations, by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility.
- In the case of a partnership, by a general partner.
- In the case of a sole proprietorship, by the proprietor.
- In the case of a Municipality, State, or other public facility, by either a principal executive officer, ranking elected official, or other authorized employee.

WHERE TO FILE

Public Upload with Payment Submission webpage

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.

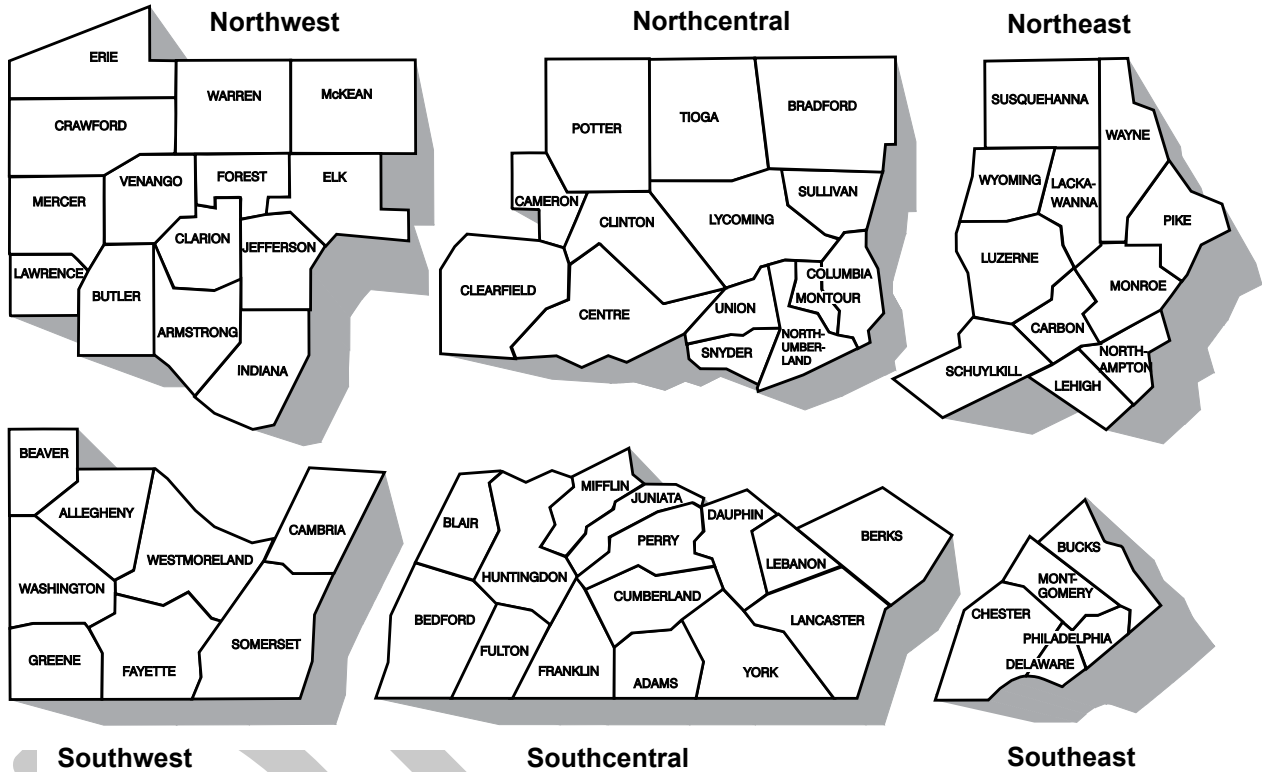
- Users will first be asked whether they are resubmitting a form that was previously submitted to DEP and requires an update. For all new submissions, select "No" and click Continue.
- The applicant's information should be provided under the **Submitter Information** header.
- For this general permit, users should select **Safe Drinking Water SDW** from the drop-down menu next to **Filter Submission Types by Program (optional)** then select **SDW General Permit Application (3940-PM-BSDW0004)**.
- If your system has a PWSID No., please enter it in the **Permit#/Project#** box.
- Provide the [Employer Identification Number \(EIN\)](#) for the facility the water system serves in **Applicant EIN** box.
- Enter the address of the facility as listed on the application under the Project Address header.
- Select **Add County/Municipality/Region** and select the **County and Municipality** in which the project is located from the drop-down menus. Check the box next to **Primary** to indicate if this is the primary **County and Municipality** for the project.

- The **Region/District** office will automatically populate based on the **County**. The submittal will be sent to the offices(s) listed.

For more detailed instruction see [Instructions for Public Upload with Payment for Safe Drinking Water Permit Applications](#).

DEP Regional Offices

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.



Northwest Regional Office
230 Chestnut St.
Meadville, PA 16335-3481
Main Telephone: 814-332-6945
24-Hour Emergency: 1-800-373-3398
RA-NWROSDWPERMITS@pa.gov
Counties: Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren

Northcentral Regional Office
208 W. Third St., Suite 101
Williamsport, PA 17701
Main Telephone: 570-327-3636
24-Hour Emergency: 570-327-3636
RA-NCROSDWPERMITS@pa.gov
Counties: Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union

Northeast Regional Office
2 Public Square
Wilkes-Barre, PA 18701-1915
Main Telephone: 570-826-2511
24-Hour Emergency: 570-826-2511
RA-NEROSDWPERMITS@pa.gov
Counties: Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming

Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222-4745
Main Telephone: 412-442-4000
24-Hour Emergency: 412-442-4000
RA-SWROSDWPERMITS@pa.gov
Counties: Allegheny, Beaver, Cambria, Fayette, Greene, Somerset, Washington, and Westmoreland

Southcentral Regional Office
909 Elmerton Ave.
Harrisburg, PA 17110
Main Telephone: 717-705-4700
24-Hour Emergency: 1-800-541-2050
RA-SCROSDWPERMITS@pa.gov
Counties: Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York

Southeast Regional Office
2 E. Main St.
Norristown, PA 19401
Main Telephone: 484-250-5900
24-Hour Emergency: 484-250-5900
RA-SEROSDWPERMITS@pa.gov
Counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia

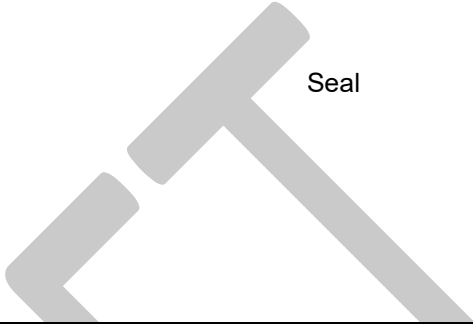


SDWGP-01
**SAFE DRINKING WATER GENERAL PERMIT – 01: COMMUNITY WATER SYSTEM
FINISHED STORAGE TANK PAINTING APPLICATION**
Before completing this application, read the step-by-step instructions provided.

[25 Pa. Code §§ 109.501\(b\) and \(d\)](#) state that a person may not substantially modify or operate a substantially modified facility without first obtaining permits from DEP. A substantial modification is defined in [25 Pa. Code § 109.1](#) as, “A change in a public water system that may affect the quantity or quality of water served to the public or which may be prejudicial to the public health or safety...” Painting of the interior of a finished water storage tank (storage tank) may affect the quality of the water served to the public due to surface preparation procedures, coating products, or testing procedures used. Public safety may also be affected by the storage tank painting project (project) due to potential loss of pressure or storage volume while the storage tank is out of service.

Section A		APPLICANT INFORMATION				
PWS Name						
PWSID No.						
Contact Person Information						
Name				Title		
Street						
City				State	Zip Code	
Telephone No.				Email Address		
Site Information						
Tank Name						
Street						
City				State	Zip Code	
Municipality				County		
Location: (DD.MM.SS.SSS)	Lat.	°	'	.	"N	
	Long.	°	'	.	"W	
Consultant Information						
Name				Title		
Street						
City				State	Zip Code	
Telephone No.				Email Address		
License No.						

Section B	PROJECT REQUIREMENTS AND INFORMATION		
Qualifications			
1. Is the finished water storage tank (storage tank) being painted used for storage only (that is, not used to provide chlorine contact time)? <i>If the storage tank to be painted is used to provide the required chlorine contact time for an entry point, SDWGP-01 may not be utilized.</i>	<input type="checkbox"/> Yes		
Coating Information			
2. Are all the coatings being applied to the interior storage tank certified for conformance with ANSI/NSF Standard 61? <i>Coatings being applied to the interior storage tank that are not certified for conformance with ANSI/NSF Standard 61 do not qualify for SDWGP-01.</i>	<input type="checkbox"/> Yes		
3. Will all coatings be mixed and applied to ANSI/AWWA Standard D102 Coating Steel Water Storage Tanks specifications? <i>All the coatings must be mixed and applied in accordance with ANSI/AWWA Standard D102 Coating Steel Water Storage Tanks.</i>	<input type="checkbox"/> Yes		
4. Enter coating specifications and the range of thickness that will be applied.	Primer Coat: _____	@ _____ to _____ mils.	
	Intermediate Coat: _____	@ _____ to _____ mils.	
	Stripe Coat: _____	@ _____ to _____ mils.	
	Finish Coat: _____	@ _____ to _____ mils.	
Interior Preparation			
5. Will all interior steel surfaces be prepared in accordance with ANSI/AWWA Standard D102 Coating Steel Water Storage Tanks ? <i>All interior steel surfaces must be prepared in accordance with ANSI/AWWA Standard D102 Coating Steel Water Storage Tanks.</i>	<input type="checkbox"/> Yes		
6. Will all welding be done in accordance with AWWA Standard D100 Welded Steel Tanks for Water Storage ? <i>All welding done on the interior of the storage tank must be done in accordance with AWWA Standard D100 Welded Steel Tanks for Water Storage.</i>	<input type="checkbox"/> Yes		
Pressure and Peak Demands			
7. How will the pressure be maintained while the storage tank is out-of-service during the tank painting?			
8. Has this method to maintain pressure been tested with the storage tank full and isolated from the system?			<input type="checkbox"/> Yes
9. If the public water system provides fire protection, is written verification provided showing the local fire department has been notified of any potential fire flow deficiencies with the storage tank being out-of-service?			<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Disinfection and VOCs			
10. Will the interior of the storage tank be disinfected utilizing one of the procedures set forth in the latest edition of AWWA Standard C652 Disinfection of Water Storage Facilities , after the curing is complete? After the work is completed, the interior of the storage tank must be disinfected utilizing one of the procedures set forth in the latest edition of AWWA Standard C652 Disinfection of Water Storage Facilities .	<input type="checkbox"/> Yes		
11. Will water from the storage tank be sampled and analyzed by a Department-accredited laboratory for volatile organic chemicals (VOCs) (EPA Methods 502.2 or 524.2) at least 24 hours after the storage tank is filled? After the project is completed, water from the storage tank must be sampled and analyzed by a DEP-accredited laboratory for VOCs.	<input type="checkbox"/> Yes		

Section C	SIGNATURES AND SEAL
Engineer's Signature and Seal	
Licensed Professional Engineer's Signature:	
Licensed Professional Engineer's Seal:	 Seal
Application Checklist	
<p>All application packages for the SDWGP-01 application must contain these five (5) components, at a minimum. Failure to include all components will result in application being incomplete.</p>	
<input type="checkbox"/>	SDWGP-01: Safe Drinking Water General Permit - 01: Community Water System Finished Water Storage Tank Painting Application (3940-PM-BSDW0004)
<input type="checkbox"/>	\$500 General Permit Fee (payable to the "Commonwealth of Pennsylvania")
<input type="checkbox"/>	<p>An Engineer's Report</p> <ul style="list-style-type: none"> • See DEP's <i>Public Water Supply Manual – Part II: Community System Design Standards</i> (383-2125-108) • The Engineer's Report is to provide sufficient information on the operation and hydraulics of each process to enable the DEP to determine compliance with accepted design standards.
<input type="checkbox"/>	Coating Specifications (must be ANSI/NSF Standard 61 Certified)
Applicant's Signature (see 25 Pa. Code § 109.503(a)(1)(i))	
<p>All five (5) components of the application package are included in this submission. Also, I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa.C.S. § 4904 (relating to unsworn falsification).</p>	
Applicant's Name (printed): _____	
Applicant's Signature: _____ Date: _____	