

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

SDWGP-02

**Safe Drinking Water General Permit - 02:
Community Water System Finished Water Storage Tank Mixing
Instructions**

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

General Instructions

A complete application for a *Safe Drinking Water General Permit – 02 (SDWGP-02): Finished Water Storage Tank Mixing* (3940-PM-BSDW0012) shall be submitted to and approved by the Pennsylvania Department of Environmental Protection (DEP) prior to the installation and operation of a tank mixer for an existing public 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.

Note: Each finished water storage tank installing a mixer requires a separate SDWGP-02 application.

In order to qualify for SDWGP-02, the storage tank mixing 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-02 application packages **must** contain, at a minimum:

- **Completed SDWGP-02: Safe Drinking Water General Permit – 02: Finished Water Storage Tank Mixing Application** (3940-PM-BSDW0012)
- **\$250 General Permit Fee** (payable to the “Commonwealth of Pennsylvania”)
- **Tank Mixer Specifications**
- **Tank Mixer ANSI/NSF Standard 61 Certification**
- **Map** showing location of the tank the mixer will be installed in.

Original signed documents, plus one set of copies, of the above information are required to be submitted to the appropriate DEP Regional Office (see page 4 of these instructions for DEP Regional Office contact information). For additional information on gathering the supporting data for a SDWGP-02 application, refer to DEP's *Public Water Supply Manual – Part II: Community System Design Standards* ([394-2125-004](#)), available on DEP's [eLibrary](#).

Section A: Application Information

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

Public Water System Identification Number (PWSID No.): Enter the 7-digit 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 proposed storage tank project. Additionally, enter the tank height, minimum operating water height, and maximum operating water height.

Section B: Project Requirements and Information

In order to qualify for SDWGP-02, 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](#).

Eligibility

1. **Chlorine Contact Time:** If the installation and operation of the mixer is for a storage tank used to provide the required chlorine contact time for an entry point, SDWGP-02 **may not be utilized**. Mixers shall not be installed in tanks used for chlorine contact time. Indicate if the storage tank in which the tank mixer is being installed is used for finished water storage only (that is, the storage tank adding the installation and operation of a mixer is not used to provide the required chlorine contact time) by checking the box next to "Yes."
2. **Mechanical Mixer Type:** All mixers for this application shall be for simple mixing via either floating or propeller mixing type. If the installation and operation of a passive mixer or an aeration mixer to reduce total trihalomethanes TTHMs that require a blower or a larger tank vent is proposed, SDWGP-02 **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](#).
3. **Storage Tank Availability:** Storage tank shall be in service during installation.
4. **Minimum Water Height:** The minimum operational water height in the storage tank must be greater than the minimum required water height for the tank mixer to operate.
 - a. **Storage Tank Minimum Water Height** Provide the minimum operational water height in the storage tank.
 - b. **Tank Mixer Minimum Water Height:** Provide the minimum operational water height required in the storage tank for the tank mixer to operate.

Mechanical Mixer Information

5. **ANSI/NSF Standard 61 Materials:** All the materials being installed in the interior of the storage tank, including the power cable, must be certified for conformance with [ANSI/NSF Standard 61](#).
6. **Continuous Operation:** Installed equipment shall have the capability to function continuously on a year-round basis.
7. **Tank Mixer Specifications:** Manufacturer details and technical data specifications for the tank mixer have been submitted with this application.
8. **Tank Mixer Sizing:** The tank mixer must be sized so that the tank mixer is installed within the manufacturer's recommendations.
9. **Mechanical Mixer requirement:** The mixer does not need to be secured in place such as by welding or bolting.

Interior Information

10. **Interior Penetration:** All penetrations shall penetrate the tank from the top above the maximum water height in the storage tank and be properly sealed and watertight. If side penetration of the tank is proposed, SDWGP-02 **may not be utilized**.
11. **Tank Penetration:** The tank penetration must be in a manner that ensures all shavings from any required drilling or cutting do not enter the water.

Disinfection

12. **Disinfection:** Immediately prior to any equipment being installed in the storage tank, the equipment shall be disinfected using at least a 1% chlorine solution to completely disinfect all surface areas of the tank mixer, cords, and piping/hosing that will be located within the interior of the tank.

Section C: Signature

Application Checklist: All SDWGP-02 application packages **must** contain the following five (5) components, at a minimum. Failure to include all components will result in an incomplete application..

- Completed *SDWGP-02: Safe Drinking Water General Permit - 02 Finished Water Storage Tank Mixing Application (3940-PM-BSDW0012)* (This form)
- \$250 General Permit Fee (payable to the “Commonwealth of Pennsylvania”)
- Tank Mixer Specifications
- Tank Mixer ANSI/NSF Standard 61 Certification
- Map showing location of the tank the mixer will be installed in

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

DEP accepts Applications via the [Public Upload with Payment Submission Page](#), including electronic payments. The fee must be paid online at the time of submission through the Public Upload site.

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**.

If your system has a PWSID No., please enter it in the **Permit #/Project #** box.

Provide the [EIN No.](#) 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.

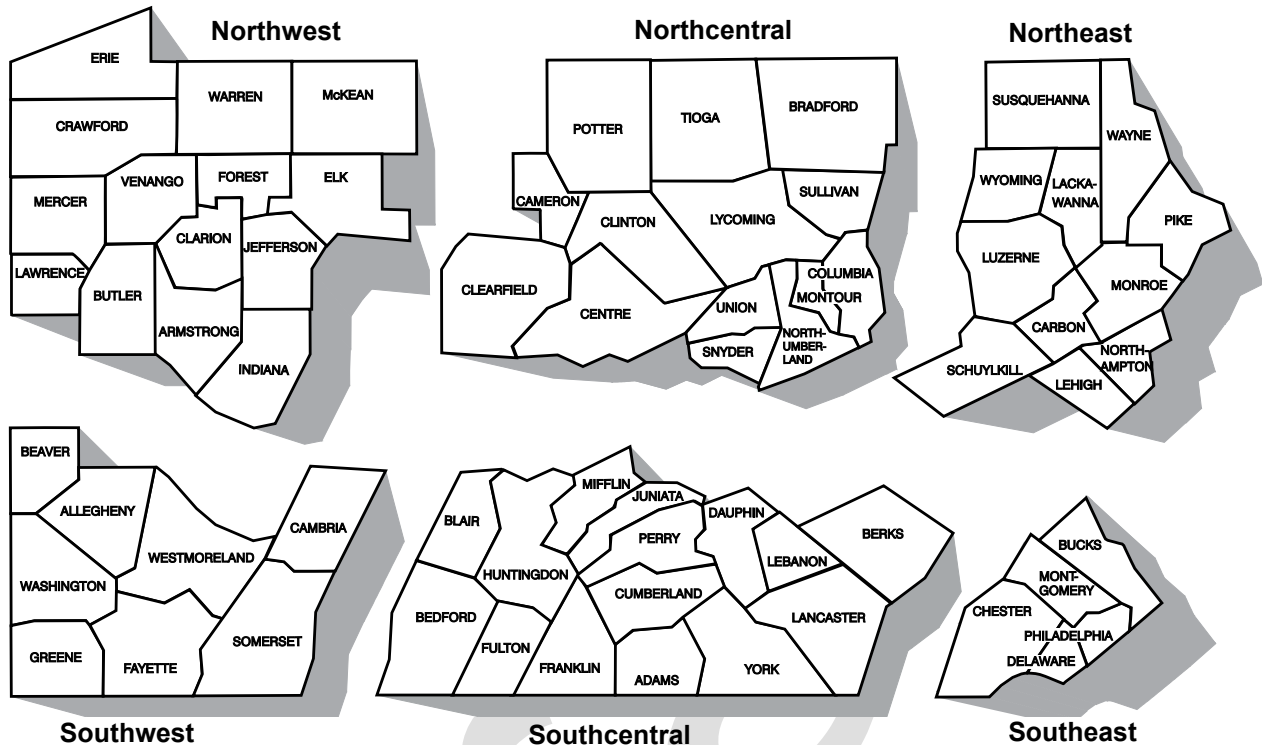
For more detailed instruction see [Instructions for Public Upload with Payment for Safe Drinking Water Permit Applications](#)

Permit Status

You can track the status of your application using DEP’s online [Permit Tracker](#). Instructions can be found on the Permit Tracker’s homepage under “Learn more about permit tracking.”

DEP Regional Offices

For submittals not made through [Public Upload with Payment Submission Page](#), 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*

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*

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*

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*

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*

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*

Application



Pennsylvania
Department of
Environmental Protection

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

SDWGP-02
Safe Drinking Water General Permit – 02:
Community Water System Finished Water Storage Tank Mixing
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...”

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			
Municipality	County		
Location: (DD.MM.SS.SSS)	Lat. ° ' . "N	Long. ° ' . "W	

Section B	Project Requirements and Information
-----------	--------------------------------------

In order to qualify for SDWGP-02, the project must meet all of the design requirements in this section. Questions 1 through 12 must all be “Yes.” 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](#).

Eligibility

1. Is the finished water storage tank (storage tank) used for storage only (i.e. not used to provide chlorine contact time)? <i>If the installation and operation of the mixer is for a storage tank used to provide the required chlorine contact time for an entry point, SDWGP-02 may not be utilized.</i>	<input type="checkbox"/> Yes
--	------------------------------

Mechanical Mixer Information

Manufacturer:		Model No.:	
2. Will the mixer be a mechanical mixer? <i>Installation and operation of a passive or aeration mixer do not qualify for SDWGP-02.</i>			<input type="checkbox"/> Yes

3. Will the storage tank remain in service during the mixer installation?		<input type="checkbox"/> Yes
4. Will the minimum operational water height in the storage tank be greater than the minimum required water height for the tank mixer to operate		<input type="checkbox"/> Yes
a. What is the minimum operational water height in the storage tank?		_____
b. What is the minimum required water height for the tank mixer to operate?		_____
5. Are all the materials being installed within the interior storage tank certified for conformance with ANSI/NSF Standard 61? <i>Materials being installed to the interior storage tank that are not certified for conformance with ANSI/NSF Standard 61 do not qualify for SDWGP-02.</i>		<input type="checkbox"/> Yes
6. Will the mixer have the capability to operate continuously on a year-round basis?		<input type="checkbox"/> Yes
7. Are there technical data sheets/specifications for the tank mixer submitted with this application?		<input type="checkbox"/> Yes
8. Is the tank mixer appropriately sized and within the manufacturer's specified recommendations?		<input type="checkbox"/> Yes
9. Verify the tank mixer will not be secured in place such as by welding or bolting?		<input type="checkbox"/> Yes <input type="checkbox"/> No
Interior Preparation		
10. Will all penetrations, including all power cabling penetrations, be from above the overflow level height in the storage tank? <i>Side penetrations do not qualify for SDWGP-02.</i>		<input type="checkbox"/> Yes
11. Will all shavings occurring via interior penetration be captured so none enter the water?		<input type="checkbox"/> Yes
Disinfection		
12. Will all equipment being used and/or installed be disinfected using the 1% available chlorine solution to completely disinfect all surface areas of the tank mixer, cords, and housing that will be located within the interior of the tank?		<input type="checkbox"/> Yes
Section C	Signatures and Checklist	
Application Checklist		
All application packages for the SDWGP-02 application must contain these five (5) components, at a minimum. Failure to include all components will result in application being incomplete.		
<input type="checkbox"/>	Completed <i>SDWGP-02: Safe Drinking Water General Permit - 02: Finished Water Storage Tank Mixing Application</i> (3940-PM-BSDW0012) (This form)	
<input type="checkbox"/>	\$250 General Permit Fee (payable to the "Commonwealth of Pennsylvania")	
<input type="checkbox"/>	Tank Mixer Specifications	
<input type="checkbox"/>	Tank Mixer ANSI/NSF Standard 61 Certification	
<input type="checkbox"/>	Map showing location of the tank the mixer will be installed in	
Applicant's Signature (see 25 Pa. Code § 109.503(a)(1)(i))		
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).		
Applicant's Name (printed): _____		
Applicant's Signature: _____ Date: Click to pick date		