

Administrative & Aboveground Storage Tank Inspector Seminar

Bureau of Environmental Cleanup & Brownfields
02/27/2025





Pennsylvania
Department of
Environmental Protection

Attention



- Attendance at this course is required periodically for certification renewal.
- You are welcome to attend DEP training as often as you would like.
- Information being shared is for your benefit.
- Opportunity for discussion to better the tanks program.

“Nobody ever told me that.”



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Questions: Who to Contact

| ASTs – Inspections and Modifications | | |
|--|--------------|--------------------|
| Magen Majeski | 717-772-5810 | Compliance/ Policy |
| Kevin Davenport | 717-772-5823 | Regions 1, 4 & 5 |
| Jesse Winfrey | 717-787-9561 | Regions 2, 3 & 6 |
| Tank Registration and Permitting | | |
| Ken Corish | 717-772-5815 | |
| Tank Handler and Inspector Certification | | |
| Anne Toth | 717-772-5808 | |
| Wendy Davis | 717-772-5829 | |

PFOA and PFOS

US EPA has added **PFOA and PFOS**, including their salts and structural isomers to the CERCLA hazardous substance list.

- Effective date 7/8/2024
- Beginning 7/8/2024, storage tanks (ASTs and USTs) containing substances with greater than 'de minimis' concentration of these substances are regulated by DEP, unless they meet an exemption (example: a pressure vessel where the AST itself is operated under continuous pressure)

PFOA and PFOS

Newly regulated ASTs should have been registered by 7/8/2024:

- These AST systems were required to meet all applicable sections of Chapter 245 by 7/8/2024.
- Owner should hire an AST certified installer or inspector to register the tanks.



PFOA and PFOS

- Installer/Inspector:
 - Assist owner in completing registration paperwork, including AST system components.
 - Include AST construction standard (if any) on signature page.
 - ASTs need to meet either double walled tank requirements or be installed within a containment area that meets the requirements in Chapter 245 (large or small tank section, depending on tank size).
 - ASTs that operate under consistent pressure do not need to be registered (greater than 15 psi) – Pressure Vessel exemption.



PFOA and PFOS

- Installer/Inspector (cont'd):
 - DO NOT sign the registration form as a certified individual UNLESS the AST system meets ALL applicable DEP technical requirements for regulated AST systems.
 - Attach a signed cover-letter, itemizing deficiencies/violations that must be corrected for the AST system to meet applicable technical requirements.

PFOA and PFOS

Where could these tanks be?

- Bulk plants
- Airports
- Carpet and textile manufacturers
- Cookware manufacturers
- Cosmetic manufacturers
- Drycleaners
- And more...





Summary

- Administrative
 - Registration & Permitting
 - Certification Applications & Renewals
 - Electronic Submissions through “PUP”
- “Technical”
 - Release Reporting Requirements
 - Site Specific Installation Permits
 - Standards of Performance for Certified Individuals
 - Industry Standards
 - Facility Monitoring/Operation and Maintenance
 - Containment
 - Linings
 - Closure



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Administrative Training





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Administrative Training

- **Section 1:** New Website
- **Section 2:** Public Upload Portal (PUP)
- **Section 3:** Registration Form/e-permitting
- **Section 4:** Site-Specific Installation Permits
- **Section 5:** Certification Reminders



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New Website

www.pa.gov/agencies/dep.html

**The old website address www.dep.pa.gov will redirect you
to the new website address**

However, you may need to update your bookmarks or favorites



Pennsylvania
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Environmental Protection

New Website

Official Website of the Commonwealth of Pennsylvania

PA Commonwealth of Pennsylvania

Translate Search


Services Agency Directory Your Government Visit PA News

Agencies > Department of Environmental Protection

Department of Environmental Protection

Our mission is to protect Pennsylvania's air, land, and water resources while ensuring the health and safety of all residents and visitors to the commonwealth.

Submit an incident or complaint →

A scenic view of a river flowing through a lush green forest under a blue sky with white clouds. The river is surrounded by dense green trees and foliage, with rocks visible in the water.



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New Website

Department of
Environmental
Protection

Programs and Services >

Residents >

Public Participation >

Report Incidents and
Complaints

Newsroom

Alerts

Data and Tools >

About DEP >

Contact Us >

DEP Search



Streamlining Permits for Economic Expansion and Development (SPEED)

Created to accelerate permit processing and keep Pennsylvania aligned with business demands, eligible permit applications will use DEP-approved contractors for expedited review.

The Invitation For Bids (IFB) is now open to find qualified professionals to fill these roles.

[Read more about SPEED →](#)

Popular



[Falcon Cam →](#)



[Flooding and
Storm Resources →](#)



[Environmental
Justice →](#)



[Energy Programs
Office →](#)



New Website

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Programs and Services

Department of
Environmental
Protection

Programs and Services

- Air >
- Business >
- Bureau of Laboratories >
- Contracts, Procurement, and Bonding >
- Energy >
- Grants, Loans, and Rebates >
- Infrastructure Act >
- Integration >
- Land >
- Mining >

Explore the Programs and Services section to see all the ways the Pennsylvania DEP aims to protect air, land, and water resources in PA.

| | | | | | |
|-------------------------------------|---|------------------------|---|----------------------------|---|
| Air | → | Bureau of Laboratories | → | Business | → |
| Contracts, Procurement, and Bonding | → | Energy | → | Grants, Loans, and Rebates | → |
| Infrastructure Act | → | Integration | → | Land | → |
| Mining | → | Oil and Gas | → | Radiation Protection | → |
| Small Business Ombudsman's Office | → | Waste Programs | → | Water | → |



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New Website

PROGRAMS AND SERVICES

Land

Department of
Environmental
Protection

Programs and Services

Air

Business

Bureau of Laboratories

Contracts, Procurement, and
Bonding

Explore this section to see all the ways the Pennsylvania DEP aims to protect land resources in PA.

Land Recycling Program



Mining



Site Remediation



Storage Tanks



Waste Programs





New Website

ENVIRONMENTAL CLEANUP AND BROWNFIELDS

Division of Storage Tanks

Department of Environmental Protection

Programs and Services

Air

Business

Bureau of Laboratories

Contracts, Procurement, and
Bonding

Energy

Grants, Loans, and Rebates

Infrastructure Act

Integration

In accordance with the Department of Environmental Protection's mission, the Storage Tank Program will protect Pennsylvania's air, land and water from storage tank releases and provide for the health and safety of its citizens. Storage Tank Program staff will work as partners with individuals, organizations, governments, and businesses to prevent releases from storage tanks and restore our natural resources when releases do occur. Under the [Storage Tank and Spill Prevention Act](#), which became effective on Aug. 5, 1989, the Storage Tank Program is responsible for developing and implementing [regulations](#) for aboveground and underground storage tanks. Specific program responsibilities include the following: tank [registration](#) and payment of an annual registration fee, [certification](#) of tank handling and inspection individuals and companies, [permitting](#) of tanks, establishment of technical and operational standards for [aboveground](#) and [underground](#) storage tank systems, and procedures for reporting of releases and [corrective action](#) by tank owners.

What's New in Storage Tanks

2018 Revisions to
Pennsylvania's
Storage Tank
Regulations



About Storage
Tanks



Storage Tank
ePermitting



Storage Tank
Data / Searches





Pennsylvania
Department of
Environmental Protection

New Website

Infrastructure Act

Integration >

Land v

Land Recycling Program

Brownfield Redevelopment

Site Remediation

Storage Tanks

Mining >

Oil and Gas >

Radiation Protection >

Waste Programs >

Water >

Residents >

Public Participation >

Report Incidents and Complaints

Newsroom

Alerts

Data and Tools >

About DEP >

Contact Us >

DEP Search

What's New in Storage Tanks

- [PFOS and/or PFOA and related substances in Storage Tanks](#) (PDF)
- Electronic payments and document submittals:
 - [Quick Pay](#) for registration fees
 - [Online Registration & Fee Payment](#)
 - [Public Upload Portal for Document Submissions](#) | [Instructions](#) (PDF)
- [Summary Information on Underground Storage Tanks \(USTs\)](#) (PDF) - Updated 12/11/2024

Data / Searches ↗

Fact Sheets →

Technical Guidance Documents →

Forms and Applications →

Aboveground Storage Tanks →

Underground Storage Tanks →

Register a Storage Tank →

Storage Tank Permitting →

Installer and Inspector Certification →



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New Website

www.pa.gov/agencies/dep.html →

Programs and Services →

Land →

Storage Tanks →



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Electronic Submissions – “PUP”





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Public Upload with Payment (PUP)

- DEP has been working over the past 5 years to transition records to a common Electronic Records Management System.
- A major feature of this system is the ability for the public to provide documents directly to DEP through a public upload interface. You may have encountered this public upload system in the past.
- The system has been integrated with a payment function that can be used by many areas in DEP to accept payments. This function would be unusual for Storage Tanks submissions.
- The payment feature can be used for Site-Specific Installation Permit (SSIP) fees and penalty payments associated with enforcement documents.



Where

<https://www.pa.gov/agencies/dep/programs-and-services/land/storage-tanks.html>

Division of Storage Tanks

Department of Environmental Protection

Programs and Services

Air >

Business >

Bureau of Labor >

Contracts, Procurement,
and Bonding

Energy

Grants, Loans, and Rebates

Infrastructure Act

Integration >

Land

Land Recycling Program

Brownfield Redevelopment

Site Remediation

Storage Tanks

Mining >

Click Here

In accordance with the Department of Environmental Protection's mission, the Storage Tank Program will protect Pennsylvania's air, land and water from storage tank releases and provide for the health and safety of its citizens. Storage Tank Program staff will work as partners with individuals, organizations, governments, and businesses to prevent releases from storage tanks and restore our natural resources when releases do occur. Under the [Storage Tank and Spill Prevention Act](#), which became effective on Aug. 5, 1989, the Storage Tank Program is responsible for developing and implementing [regulations](#) for aboveground and underground storage tanks. Specific program responsibilities include the following: tank [registration](#) and payment of an annual registration fee, [certification](#) of tank handling and inspection individuals and companies, [permitting](#) of tanks, establishment of technical and operational standards for [aboveground](#) and [underground](#) storage tank systems, and procedures for reporting of releases and [corrective action](#) by tank owners.

What's New in Storage Tanks

- [PFOS and/or PFOA and related substances in Storage Tanks](#) (PDF)
- Electronic payments and document submittals:
 - [Quick Pay](#) for registration fees
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 - [Public Upload Portal for Document Submissions](#) | [Instructions](#) (PDF)
- [Summary Information on Underground Storage Tanks \(USTs\)](#) (PDF) - Updated 12/8/2023

[2018 Revisions to Pennsylvania's Storage Tank Regulations](#) →

[About Storage Tanks](#) →

[Storage Tank ePermitting](#) →

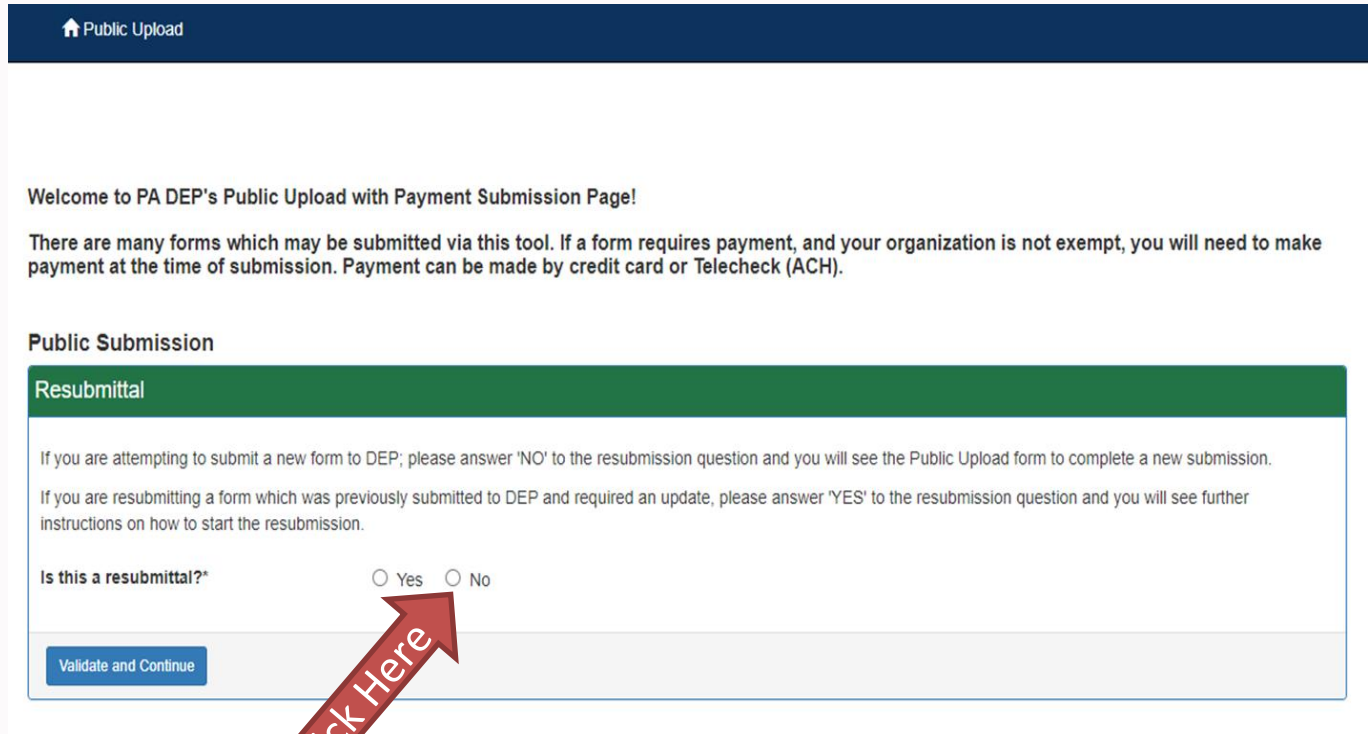
[Storage Tank Data / Searches](#) →

[Fact Sheets](#) →

[Technical Guidance Documents](#) →

Where

Click '**No**' unless a DEP representative has returned a previous submission with a request to update and resubmit.



Public Upload

Welcome to PA DEP's Public Upload with Payment Submission Page!

There are many forms which may be submitted via this tool. If a form requires payment, and your organization is not exempt, you will need to make payment at the time of submission. Payment can be made by credit card or Telecheck (ACH).

Public Submission

Resubmittal

If you are attempting to submit a new form to DEP; please answer 'NO' to the resubmission question and you will see the Public Upload form to complete a new submission.

If you are resubmitting a form which was previously submitted to DEP and required an update, please answer 'YES' to the resubmission question and you will see further instructions on how to start the resubmission.

Is this a resubmittal?*

☐ Yes ☐ No

Validate and Continue

Click Here



How

cess/PublicSubmission/Home

Public Upload

Public Submission

Submission Information

Submitter Information

Submitter Name*

Submitter's Organization*

Submitter Email Address*

Phone Number*

Submission Information

There are many submission types which can be submitted to DEP. You can filter the list of Submission Types by selecting one or more programs. The Submission Type drop down list supports type-ahead filtering. This means if you click into the Submission Type drop down list and type, it will filter the list to any Submission Types with the word 'waiver' anywhere in the name. It is not case sensitive.

Submission Type Filter (optional)

Filter Submission Types by Program (optional)

DEP Program Area

Request Type*

Permit #/Project #

Applicant EIN

Project Address

The top of your submission screen should look like this.

There are 5 areas:

- Submitter Info
- Submission Info
- Project Address
- Comments
- File Upload



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How

Submitter Info

- Information in these fields should be filled out for the individual responsible for the point of contact for questions about the submitted documents.
- This individual will receive an emailed confirmation.



How

Submission Info

Filter by: ENV CLEANUP & BROWNFIELDS ECB

Submission Information

There are many submission types which can be submitted to DEP. You can filter the list of Submission Types by selecting one or more program areas. Additionally, the Submission Type drop down list supports type-ahead filtering. This means if you click into the Submission Type drop down list and type the word 'waiver'; it will filter the list to any Submission Types with the word 'waiver' anywhere in the name. It is not case sensitive.

Filter Submission Types by Program (optional)

Submission Type - Select from the list*

DEP Program Area

Request Type*

Permit #/Project #

Applicant EIN

1 selected

✓ Check all ✕ Uncheck all

☐ AIR QUALITY AQ

☐ CLEAN WATER CW

☐ DISTRICT MINING OPERATIONS DMO

☒ ENV CLEANUP & BROWNFIELDS ECB

☐ MINE SAFETY MS



How

Submission Info

When filtered, the Filter Submission Types by Program (really **Document Name**) is narrowed to Storage Tanks, Site Remediation, and Land Recycling documents.

| | |
|---|---|
| Submission Type Filter (optional) | 1 selected |
| Filter Submission Types by Program (optional) | Select a value |
| DEP Program Area | |
| Request Type* | Select a value |
| Permit #/Project # | ABOVEGROUND STORAGE TANK CLOSURE REPORT FORM 2630-FM-BECB0514 |
| Applicant EIN | ABOVEGROUND STORAGE TANK LINING INSPECTION SUMMARY 2630-FM-BECB0014 |
| | ABOVEGROUND STORAGE TANK MODIFICATION REPORT FORM 2630-FM-BECB0151 |
| Project Address | ABOVEGROUND STORAGE TANK SPILL PREVENTION RESPONSE PLAN |
| Address | ABOVEGROUND STORAGE TANK THIRD PARTY INSPECTION |



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How

Submission Info

Start typing part of the **Document Name** to narrow the list further.

1 selected

Select a value

underground

- UNDERGROUND STORAGE TANK CLOSURE REPORT FORM 2630-FM-BECB0159
- UNDERGROUND STORAGE TANK FACILITY OPERATIONS INSPECTION REPORT FORM 2630-FM-BECB0501
- UNDERGROUND STORAGE TANK LINING EVALUATION FORM
- UNDERGROUND STORAGE TANK MODIFICATION REPORT FORM 2630-FM-BECB0575
- UNDERGROUND STORAGE TANK OPERATOR TRAINING DOCUMENTATION FORM 2630-PM-BECB0514A



How

Submission Info

Start typing part of the **Document Name** to narrow the list further.

- Suggestions:
 - **MOD:** UST and AST Modification Report Forms
 - **Under:** Underground FOI, Closure, Lining Eval, Operator Training
 - **Install:** Certification Forms, Install/Closure Notification, Alternative Fuels
 - **Closure:** UST and AST Closure Forms
 - **Regis:** Storage Tank Registration/Permitting Form



How

Submission Info

- Request Type:
 - **NEW**
 - Some of the other categories may seem like they are Storage Tanks related, but they represent types of submitted documents for other programs.

Please place the Storage Tanks Facility ID in the Permit #/Project # field

| | |
|---|----------|
| Request Type* | NEW |
| Permit #/Project # | 15-32112 |
|  Applicant EIN | X |



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How

Submission Info

If you are a **NEW** facility and submitting your **first** Registration form (no Facility ID has been assigned by DEP)
– [Enter the Applicant EIN](#)



How

Submission Clarification

- Each submission is associated with a **Facility ID** (Permit #)
- But multiple files and types of files can be uploaded
- This is **NOT** intended to allow submitters to send in documents for multiple facilities or document types in the same upload



How

Project Address

If an address exists, the autocomplete function will make it available as you type. When selected, the autocomplete will finish the address entry, city, state, and zip code.

Project Address

Address

2500 Cone

City

2500 Conestoga Ave, Honey Brook PA 19344
2500 Conestoga Ave, Honey Brook PA 19344
2500 Conestoga Creek Rd, Narvon PA 17555
2500 Cone Dr, Birmingham AL 35217
2500 Cone Rd, Thomasville GA 31757
2500 Coneflower Ct, Wauconda IL 60084
2500 Conehatta Prospect Rd, Conehatta MS 39057
2500 Conejo Spectrum St, Newbury Park CA 91320
2500 Conestoga Trl, Las Vegas NV 89108

County/Municipality

No data to display

County (if different from City)

[Add County](#)

State

PA

Zip Code

| Is Primary? | Region(s) | Edit | Delete |
|-------------|-----------|------|--------|
| | | | |
| | | | |



How

Project Address

- Clicking Add County/Municipality/Region will pop up the screen below.
- You will select the Facility's County.
- After the County's Municipality list loads, you will select the Municipality that the facility is located within.
- The Region will auto complete.
- Click Save.

Site Location

County*

Select a value

Municipality*

Select a value

Primary*

☐

Region*

Save

Cancel



How

Comments

- Comments are optional; there are no required comments.
- We reserve the right to change this requirement based on DEP needs.

Attachments

- The action happens here!
- Click Attach Scanned Form.

Submission Notes

Provide any necessary comments below for the review staff

Attachments (0)

Attach Scanned Form

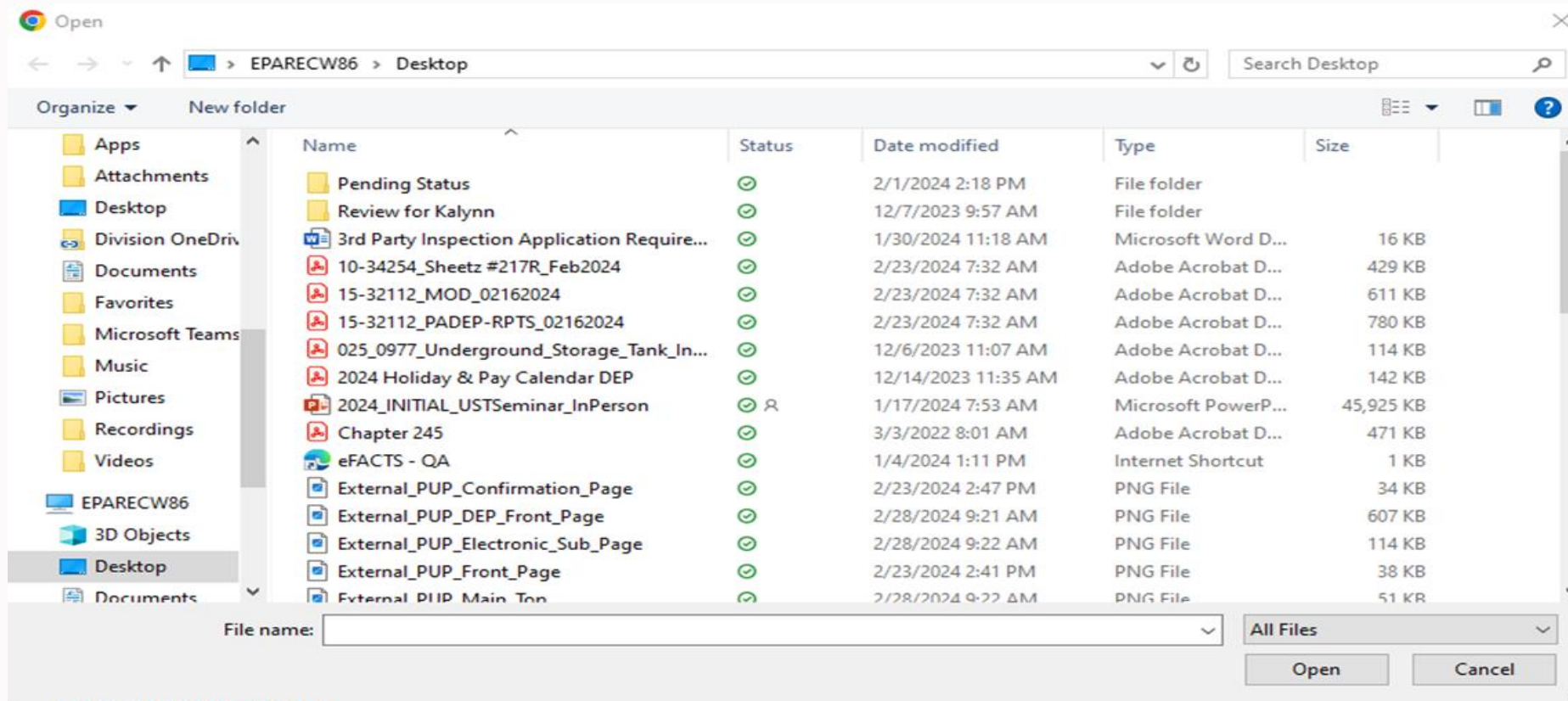
Click Here



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How

Attachments









How

Attachments

Recommendation: Place files in designated location to make easy to find.

Notes:

- No commas in File Names
- No File Names longer than 100 characters - IMPORTANT!
- You can CTRL+click to select multiple files

| Public Module Attachments (2) | | | |
|--------------------------------|------------------------------|---|---|
| Date Added | Document Name | Delete | Download |
| 02/28/2024 09:30:09 AM | 15-32112_MOD_02162024 |  |  |
| 02/28/2024 09:30:08 AM | 15-32112_PADEP-RPTS_02162024 |  |  |
| <div>Attach Scanned Form</div> | | | |



Reminder

When Can I Submit Multiple Documents?

- **UST Example:**
 - **Modification Report:** You may attach testing forms and facility diagrams to the Modification Report.
 - **FOI Report:** Should also attached cathodic protection evaluations reviewed during the inspection. You may also attach monthly walkthrough inspections, 60-day ICCP rectified readings, and other documents reviewed to make compliance determinations during the inspection.



Reminder

When Can I Submit Multiple Documents?

- **AST Example:**
 - Inspection Report (General): May attach supplemental documentation related to the tank system being inspected (ex: P.E. Containment Certification).
 - Out-of-Service Inspections: May attach the Lining Inspection Form where required.
 - Modifications and Modification Inspections: May attach supplemental documentation related to the reported activity.



Reminder

When Can I Submit Multiple Documents?

- **Registration Example:**
 - Registration/Permitting Applications: May also attach UST Operator training documentation, deed (or other ownership documentation), substance SDS, or other pertinent documentation relating to the registration submission.
- **Certification Example:**
 - Certification Applications: May attach the Attachment A, training course certificates, manufacturer letters, or other documentation associated with the submitted application.



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How

Submit

Large file sizes may take more time than a regular internet link to load.

A screenshot of a web form interface. At the top, there is a green header bar with the text "Attachments (0)" and a small downward arrow. Below this, there is a light blue button labeled "Attach Scanned Form". At the bottom of the form, there is a light gray bar containing a blue "Submit" button. A red arrow with the text "Click Here" points to the "Submit" button.

Attachments (0)

Attach Scanned Form

Submit

Click Here



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Complete - Confirm

Confirmation Screen

[Public Upload](#)

Submission Details

Details have been submitted successfully. Please review and print the Transaction Receipt for your records.

| | |
|--------------------------|---|
| Reference : | 213939 |
| Form Name : | UNDERGROUND STORAGE TANK MODIFICATION REPORT FORM 2630-FM-BECB0575 |
| Submitter Name : | Joshua Blanco |
| Submitter Organization : | DEP |
| Submitter Email : | jblanco@pa.gov |
| Phone Number : | (717) 772-5804 |
| Submitted To : | ra-tanks@pa.gov |
| Date Submitted : | 02/28/2024 |

[Print Confirmation](#)



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Complete - Confirm

Confirmation Email -> Submitter Email

Notice of Application Received

○ depgreenporthelpdesk@state.pa.us

To ● Blanco, Joshua

↩ Reply ↩ Reply All → Forward 🗉 ...

Wed 2/28/2024 9:35 AM

Submission Details

Details have been submitted successfully. Please review and print the Transaction Receipt for your records.

Reference : 213939
Form Name : UNDERGROUND STORAGE TANK MODIFICATION REPORT FORM 2630-FM-BECB0575
Submitter Name : Joshua Blanco
Submitter Organization : DEP
Submitter Email : jblanco@pa.gov
Phone Number : (717) 772-5804
Submitted To : ra-tanks@pa.gov
Date Submitted : 02/28/2024



Summary

- **Step 1:** Navigate to
<https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>
- **Step 2:** Enter your information
- **Step 3:** Enter Document/Submission Type Info
 - **Filter by:** ENV CLEANUP & BROWNFIELDS ECB
- **Step 4:** Enter Facility ID in Permit #
 - 1 Document/Submission Type for 1 Facility per upload
- **Step 5:** Enter Address, County, and Municipality
- **Step 6:** Click Submit
- **Step 7:** Save your confirmation



Why

Why is DEP asking for your participation?

- Document Security – less risk of loss between your submission and final filing. The document remains in one storage location with a designated reference number through the whole lifecycle.
- Future Access – documents move through our review and processing directly into Electronic Records Management. This will allow future document reviews to go to a single source for all records about any location.
- Clear Confirmations – certified individuals and companies are provided with a clear submission confirmation to verify timely and appropriate submission.
- Single Submission – no need to send to multiple email addresses and verify submission to the correct regional office resource email account.



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Registration Form

Two methods of submittal:

- **PUP (attach document from your computer)**
- **e-permitting (online form)**



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Registration Form

Advantages of e-permitting:

- Provides immediate feedback for missed or incorrect information
- **Faster processing!**
- Registration/permit certificate is available for download immediately following payment
- Update contact information immediately through Maintenance tab
- Payments and contact updates can be made in bulk (multiple facilities at one time)
- Registration/permit certificate is always available if you need an additional copy



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Registration Form

E-permitting accepts:

- Registration fee payments
- New facility registration
- Add tanks
- Remove or close tanks
- Change tank status or substance
- Change of ownership
- Update contact or owner information
- Update site or facility information



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Registration Form


In order to use the online registration form through e-permitting you must first create a Greenport Account:


<https://greenport.pa.gov>


Click the register button to create a new account.

Welcome to the new GreenPort powered by the PA Keystone Login!


Department of
Environmental Protection


Department of Conservation
and Natural Resources


Pennsylvania Department
of Agriculture


Milk Marketing Board

Login to your account

Note: Do not use your Old DEP GreenPort account created before 03/20/2021.

Username

Password

Login


[What is GreenPort?](#)
[Forgot Username?](#)
[Forgot Password?](#)
[Need your account unlocked?](#)

Register a new GreenPort account

Register

When you register a new GreenPort account, you automatically create a new Keystone Login account.

PA Keystone Login is an account management system for commonwealth online services. You can use your PA Keystone Login username and password to log into any online service that participates in PA Keystone Login.


Keystone Login FAQ



Registration Form

What's New in Storage Tanks

- [PFOS and/or PFOA and related substances in Storage Tanks](#) (PDF)
- Electronic payments and document submittals:
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Registration Form

Storage Tanks ePermitting

Department of
Environmental
Protection

Programs and Services



Air



Business



Air Quality Permit
Information

Storage Tank Permitting

ePermitting

Online Registration and Fee Payment Instructions

Quick Pay now available – [pay registration fees and obtain your certificate with no login required!](#)

Storage tank owners may now pay annual Storage Tank registration fees and submit the below listed storage tank registration amendments online through the Department's ePermitting application on Greenport. Follow the steps below to create a Greenport account and access the ePermitting application. Contact the Division of Storage Tanks at 717-772-5599 with any questions.

Registration amendments accepted through ePermitting Dashboard using the Create or Maintenance Tab (see step 4 below):



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Registration Form

Instructions and user guides can be found on the e-permitting page

1. Create an account in the [DEP Greenport](#) if you do not currently have one. From the Greenport home page, click the “Register” button and follow the instructions for creating a Greenport account. A [user guide](#) is available to explain the steps in registering a new account, or importing an existing Greenport account into the new Keystone Login system.

2. Complete the enrollment process and Electronic Filing Administrator (EFA) Registration and Security Agreement. Follow the [e-permitting Enrollment Guide](#) for the steps needed to enroll as a storage tank owner, employee of a storage tank owner, DEP-certified storage tank installer/inspector, or DEP-certified company representative.

The EFA Registration and Security Agreement serves as your legal authorization to represent the storage tank owner in online business transactions with DEP. Once you have completed the agreement by providing your electronic signature, you will be directed to your ePermitting dashboard.

3. Paying registration fees?

Reference the [Storage Tank Registration Fee e-Permitting Payment Guide](#) (PDF) for a tutorial on how to verify your facility information and pay registration fees in the e-permitting application. You must verify that the tank, owner, and facility information is correct before making payment. Any incorrect information must be corrected with DEP by submitting a registration amendment through e-permitting (see step 4 below).

Once payment is made, you will be able to view, print, and save a registration certificate for each paid facility. This registration certificate is valid through the end of the regional billing cycle.

4. Submitting a registration amendment?

Use the [Storage Tank Registration Submissions Quick Guide](#) to assist you with the process of submitting registration amendments, registering new facilities, or updating contact information, or change of ownership.

Please contact the Storage Tank Program at 717-772-5599 if you need any assistance with the e-permitting application.

Registration Form

Frequently Missed Information:

- Section II (Tank Owner):
 - Employer ID# (EIN)
- Section IV (Facility):
 - Facility Kind
 - Latitude/Longitude (can be obtained from Google maps)
- Section VI (Tank Information):
 - Install date for new tanks
 - Change of status date
 - Removal date

| II. CURRENT OR NEW TANK OWNER / CLIENT INFORMATION | | | |
|--|------------------|--|--------------------|
| DEP Client ID# | Client Type/Code | Fee Kind (check one if applicable) | |
| | | <input type="checkbox"/> Volunteer Fire Co/EMS Org <input type="checkbox"/> State Govt | |
| Organization Name or Registered Fictitious Name | | | Employer ID# (EIN) |

| IV. FACILITY INFORMATION | | | | | | |
|--------------------------|---------|---------|-----------|---------|--------------------------|--|
| Facility Name | | | | | Facility Kind | |
| Facility Location Line 1 | | | | | Facility Location Line 2 | |
| State | | | | ZIP+4 | | |
| Latitude | | | Longitude | | | |
| Degrees | Minutes | Seconds | Degrees | Minutes | Seconds | |
| Feet | | | Meters | | | |



Registration Form

Frequently Missed Information:

- Section IX (Owner Certification):
 - Owner's signature
 - Date signed
- Section X (Installer Information):
 - Installer/Remover signature
 - Date signed
- Required Attachments:
 - UST operator training documentation form
 - Class A/B operator certificates

| Tank# | Installer/Remover Name | Construction Standard | Individual Certification# | Certification Category | Company Certification# | Installer/Remover Signature | Date |
|-------|------------------------|-----------------------|---------------------------|------------------------|------------------------|-----------------------------|------|
| | | | | | | Missing | |
| | | | | | | | |
| | | | | | | | |



Pennsylvania
Department of
Environmental Protection

Registration Certificates

- DEP no longer sends registration certificates if invoices are paid online:
 - Facility owners have access to the certificate right away
 - The same applies if the tank status is changed online
- DEP still prints and mails registration certificates if transactions are handled via mail
- Security paper is no longer used for printed registration certificates:
 - Online versus printed certificates have different formatting
 - If you question the legitimacy of the certificate, it can be verified on the Active Storage Tank Search (USTs and small ASTs only)



Pennsylvania
Department of
Environmental Protection

Certification Renewals

Individuals:

Know your expiration date!

Start scheduling training 12 – 18 months in advance:

- Technical Training
- Administrative Training
- Retesting? Submit application at least 120 days out



Pennsylvania
Department of
Environmental Protection

Certification Renewals

**DON'T FORGET TO SUBMIT YOUR RENEWAL
APPLICATION TO DEP!**

**DEP CAN'T GRANT YOU CERTIFICATION RENEWAL
WITHOUT IT!**



Pennsylvania
Department of
Environmental Protection

Certification Renewals

RENEWAL IS NOT AUTOMATIC

Submit (via PUP) the Renewal Application and Technical Training Certificates

PUP System:

- Fill in online blocks
- Permit # is your Client # (found on your certificate)
- Attach application and training certificates
- Submit



Pennsylvania
Department of
Environmental Protection

Certification Renewals

Companies:

Pay your TIIP fees: <https://ustif.pa.gov>

Renew every 3 years: submit application via PUP system



Pennsylvania
Department of
Environmental Protection

New Certification

New Applicant or Adding Categories

- Application Form
- Attachment A for each category being requested (some exceptions)
- Initial Technical Training Course for each category being requested (some exceptions)
- Hand sign your application – no typed computer fonts
- Submit at least 60 days before desired date of testing



Pennsylvania
Department of
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New Certification

2630-PM-BECB0506c 4/2012

Applicant Name _____

III-b. Storage Tank Facility Employer Information

Provide detailed information for each activity listed in Section III-a. The activity numbers in III-a. must correspond to the activity numbers listed in III-b.

| Facility where the work was completed | DEP Verified | Applicant's employer when work was performed |
|--|--|---|
| Activity No. 1 Owner Name _____ Facility Name _____ Pa Facility I.D. # _____ Address _____ City _____ State _____ Zip _____ Owner Contact _____ Contact Phone () _____ Facility Phone () _____ | Approved <input type="checkbox"/> Verified | Company Name _____ Address _____ City _____ State _____ Zip _____ Contact _____ Phone () _____ Verifying Official Signature _____ Reported under PA certification ID _____ |
| Activity No. 2 Owner Name _____ Facility Name _____ Pa Facility I.D. # _____ Address _____ | Approved <input type="checkbox"/> Verified | Company Name _____ Address _____ City _____ State _____ Zip _____ |

Certification Testing

- **Online Examinations by ASC (Assess)**



- **Exams can be scheduled any time (24/7) with the exception of some holidays**



Pennsylvania
Department of
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Certification Testing

- Must submit complete application 60 days prior to desired exam date
- After approval, applicant receives an email and letter from DEP
- Applicant receives an email from ASC with instructions about paying for and accessing the exams
- Fee is \$75 per exam
- Examinee needs:
 - Computer with webcam
 - Secondary camera (i.e. smartphone)
 - Government ID (Driver's license, etc.)



Pennsylvania
Department of
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Certification Testing

- Examinee is connected to a live proctor who will provide instructions and monitor the exam.
- Work surface must be cleared. No other people or pets allowed in the room where applicant is taking the exam.
- DEP provides test results to examinee within 10 business days.
- 80% needed to pass any exam.
- Exams can be scheduled any time (24/7) with the exception of some holidays.



Pennsylvania
Department of
Environmental Protection

Certification Testing

Administrative Exam:

- Required for first-time applicants only
- Timed exam – 1 hour limit
- Open book
- During the exam Chapter 245 and Storage Tank and Spill Prevention Act must be accessed via an online link. Paper copies may not be used during the exam
- Hard copies will still be mailed to applicants



Certification Reminders

Use the most recent version of DEP's Forms

What's New in Storage Tanks

- [PFOS and/or PFOA and related substances in Storage Tanks](#) (PDF)
- Electronic payments and document submittals:
 - [Quick Pay](#) for registration fees
 - [Online Registration & Fee Payment](#)
 - [Public Upload Portal for Document Submissions](#) | [Instructions](#) (PDF)
- [Summary Information on Underground Storage Tanks \(USTs\)](#) (PDF) - Updated 12/11/2024

Data / Searches →

Fact Sheets →

Technical
Guidance
Documents →

Forms and
Applications →





Pennsylvania
Department of
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Certification Reminders

Notify DEP of Changes:

- Address
- Employer
- Email address

Amendment form for individuals.

Company application form marked as amendment.

For email changes only, simply email one of us.



Pennsylvania
Department of
Environmental Protection

Release Reporting





Pennsylvania
Department of
Environmental Protection

Release Reporting

Certified individuals are required to report the following conditions to DEP if observed while performing services as a certified individual:

Release

Spills, leaks, discharges, etc. into water or soil OR that pose an immediate threat* to water or soil.

Suspected Contamination

Indications of a release:
holes in shell, failed leak tests, unusual vapor levels.

Confirmed Contamination

Observation of regulated substance in environmental media.



Pennsylvania
Department of
Environmental Protection

Release Reporting

Release

Release

Spilling, leaking, emitting, discharging, escaping, leaching or disposing from a storage tank into surface waters and groundwaters of this Commonwealth or soils or subsurface soils in an amount equal to or greater than the reportable released quantity determined under section 102 of CERCLA, and regulations promulgated thereunder, or an amount equal to or greater than a discharge as defined in section 311 of the Federal Water Pollution Control Act and regulations promulgated thereunder. The term also includes spilling, leaking, emitting, discharging, escaping, leaching or disposing from a storage tank into a containment structure or facility that poses an immediate threat of contamination of the soils, subsurface soils, surface water or groundwater.

Immediate Threat of Contamination

Spilling, leaking, emitting, discharging, escaping, leaching or disposing from a storage tank into a containment structure or facility in an amount equal to or greater than the reportable release quantity determined under section 102 of CERCLA and regulations promulgated thereunder. The term also includes spilling, leaking, emitting, discharging, escaping, leaching or disposing of petroleum into a liquid-tight containment sump or emergency containment structure in an amount less than 25 gallons as a result of a tank handling activity unless the certified installer providing direct onsite supervision has control over the regulated substance, the regulated substance is completely contained and, prior to the certified installer leaving the storage tank facility, the total volume of the regulated substance is recovered and removed.

Suspected Contamination

Confirmed Contamination

Release Reporting

Release

Suspected
Contamination

Confirmed
Contamination



Release – Regulated substance escapes the storage tank system.

Product leaked into the emergency containment structure is generally considered a release.





Pennsylvania
Department of
Environmental Protection

Release Reporting

Release

Suspected
Contamination

Confirmed
Contamination

A Release does not include:

Petroleum leaks of less than 25 gallons into a liquid-tight containment sump or emergency containment structure as a result of a tank handling activity if:

- The certified installer providing direct onsite supervision has control over the regulated substance;
- The regulated substance is completely contained; and
- The total volume of the regulated substance is recovered and removed before the certified installer leaves the tank facility.



Pennsylvania
Department of
Environmental Protection

Release Reporting

Release

Suspected
Contamination

Confirmed
Contamination

Indications of a release, like:

- Unusual level of vapors from unknown origin.
- Evidence of a regulated substance or vapors in soils, basements, sewer lines, utility lines, surface water or groundwater.
- Sudden or unexpected loss of a regulated substance from a storage tank.
- Test, sampling, or monitoring results from a release detection method which indicate a release.
- Unusual operating conditions, which may be indicative of a release.
- Unexplained presence of water in a storage tank.
- Hole(s) discovered in a storage tank system.
- Other events, conditions or results which may indicate a release.



Pennsylvania
Department of
Environmental Protection

Release Reporting

Release

Suspected
Contamination

Confirmed
Contamination

Regulated substance observed in environmental media (soil, water, backfill)





Pennsylvania
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Environmental Protection

Release Reporting

Release

Suspected
Contamination

Confirmed
Contamination

If you observe any of these while performing duties as a DEP-certified individual, you must report it to DEP in writing within 48-hours of observing the condition.

Notification of
Contamination

[NOR/NOC Form](#)



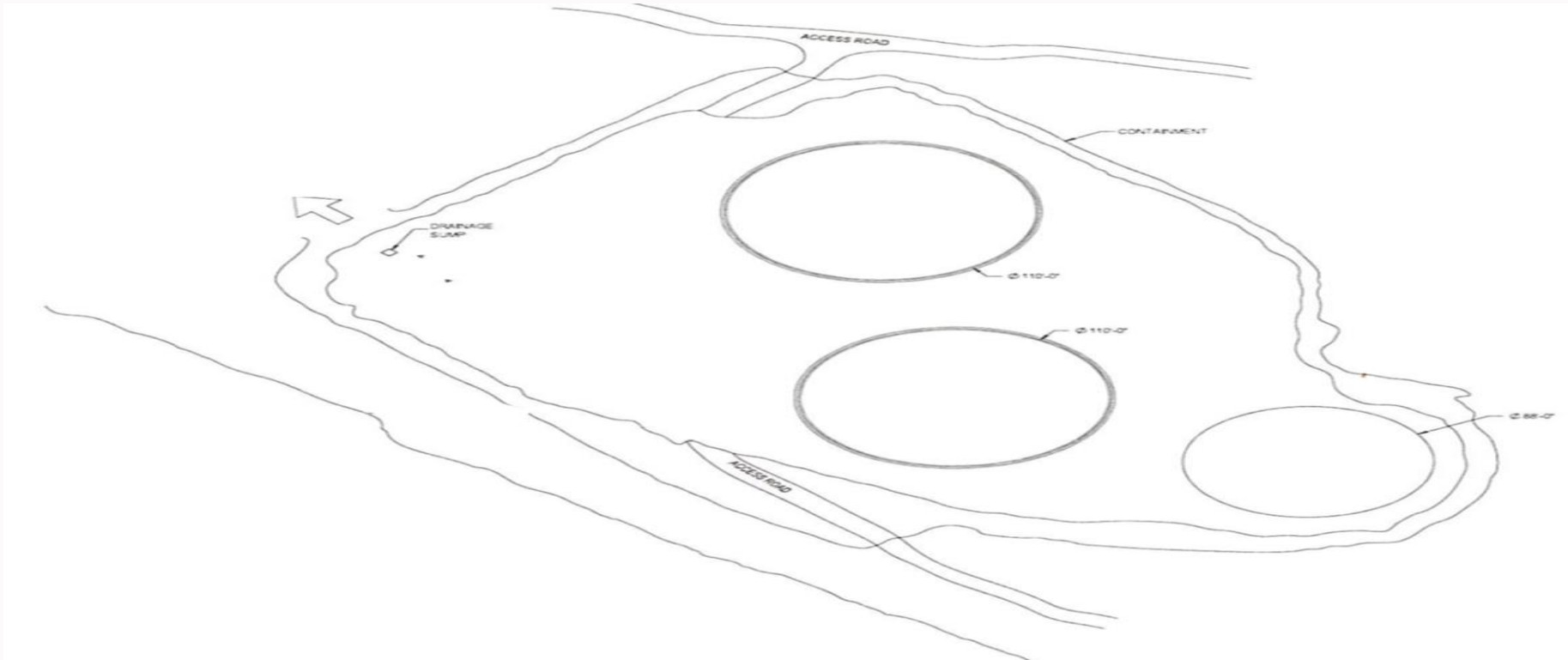
Release Reporting

| COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION | | BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS 2620-FM-BECB0082 Rev. 6/2019 | |
|---|--|---|--|
| NOTIFICATION OF RELEASE (Owners and Operators) | | FACILITY I.D. NUMBER _____ | <input type="checkbox"/> Initial <input type="checkbox"/> Follow-Up |
| NOTIFICATION OF CONTAMINATION (Certified Installers and Inspectors) | | | |
| INFORMATION FOR OWNERS AND OPERATORS (O/O) The Storage Tank Program's Corrective Action Process (CAP) regulations establish requirements for owners and operators of storage tank systems and storage tank facilities to report confirmed releases and, in certain cases, suspected releases. Suspected Release Reporting: Upon the completion of a suspected release investigation from which it could not be determined whether a release has occurred, the owner or operator must, within 15 days of the indication of the suspected release, complete and submit this form to the appropriate regional office of the Department (Subsection 245.304(c)(2)). Confirmed Release Reporting: The owner or operator must notify the appropriate regional office of the Department by telephone as soon as practicable, but no later than 24 hours, after the confirmation of a release (Subsections 245.305(a) and (b)). Within 15 days of that telephone notification, the owner or operator must complete and submit this form to the appropriate regional office of the Department, to each municipality in which the release occurred, and to each municipality where that release has impacted environmental media or water supplies, buildings, or sewer or other utility lines (Subsections 245.305(c) and (e)). And if new impacts to environmental media or water supplies, buildings, or sewer or other utility lines are discovered after that initial written notification, the owner or operator must, within 15 days of the discovery of the new impact, complete and submit this form to the Department and to each impacted municipality (Subsections 245.305(d) and (e)). | | | |
| INFORMATION FOR CERTIFIED INSTALLERS AND INSPECTORS (I/I) In accordance with the Storage Tank Program's certification regulations, certified installers and inspectors must complete and submit this form to the Department within 48 hours of observing any of the following while performing services as a certified installer or inspector: a release of a regulated substance; suspected or confirmed contamination of soil, surface or groundwater from regulated substances; or a regulated substance in a containment structure or facility (Subsections 245.132(a)(4) and 245.132(a)(6)). | | | |
| INSTRUCTIONS Record the storage tank facility I.D. number at the top right-hand corner of each page of this form. Owners and Operators (O/O): Indicate if this is an initial or follow-up notification by marking the appropriate box found in the top right-hand corner of this page. <ul style="list-style-type: none">To report a Suspected Release, complete <u>all</u> information in Sections I, II, IIIA, IIIC, VI, VIII and IX.To report a Confirmed Release, complete <u>all</u> information in Sections I, II, IIIA, IIIB, IIIC, IV, V, VIII and IX. Certified Installers and Inspectors (I/I): Complete <u>all</u> information in Sections I, II, IIIA, IIIC, VI or VII, VIII, and IX. Attach a copy of the failed, valid tightness test results, if applicable. | | | |
| PLEASE SEND COMPLETED ORIGINAL FORM TO: PA Department of Environmental Protection Environmental Cleanup and Brownfields Program Storage Tank Section (and the appropriate address below, depending on where the FACILITY is located) | | | |
| Northwest Region 230 Chestnut Street Meadville, PA 16335-3481 PHONE: 814-332-6945 / 800-373-3398 FAX: 814-332-6121 Counties: Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, Warren | North-central Region 208 W. Third Street, Suite 101 Williamsport, PA 17701 PHONE: 570-327-3636 FAX: 570-327-3420 Counties: Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union | Northeast Region 2 Public Square Wilkes-Barre, PA 18701-1915 PHONE: 570-826-2511 FAX: 570-820-4907 Counties: Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, Wyoming | |
| Southwest Region 400 Waterfront Drive Pittsburgh, PA 15222 PHONE: 412-442-4000 FAX: 412-442-4194 Counties: Allegheny, Beaver, Cambria, Fayette, Greene, Somerset, Washington, Westmoreland | South-central Region 909 Elmerton Avenue Harrisburg, PA 17110 PHONE: 717-705-4705 / 800-541-2050 FAX: 717-705-4830 Counties: Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, York | Southeast Region 2 East Main Street Norristown, PA 19401 PHONE: 484-250-5900 FAX: 484-250-5961 Counties: Bucks, Chester, Delaware, Montgomery, Philadelphia | |



Pennsylvania
Department of
Environmental Protection

Site Specific Installation Permits





Pennsylvania
Department of
Environmental Protection

Site Specific Installation Permits

A Site-Specific Installation Permit (SSIP) is required for the following:

- New AST systems with a capacity > 21,000 gallons.
- New AST facilities with an aggregate aboveground storage capacity > 21,000 gallons.
- New Highly-Hazardous substance tank systems (*AST and UST*).
- New field-constructed UST systems not inside an existing UST.



Pennsylvania
Department of
Environmental Protection

Site Specific Installation Permits

Where required, the SSIP must have been issued to the facility **PRIOR** to the construction, reconstruction, or installation of **ANY** parts of the regulated AST system. That includes the emergency containment area.

Certified Installers and Inspectors on a job requiring an SSIP must verify that the SSIP has been issued **BEFORE** beginning activities to build, rebuild, or install the tank system.

Site Specific Installation Permits

- Once issued, the SSIP is a permit to install a tank system or systems at a particular location.
- DEP review of the permit application is not a technical review of the design of the tank system(s).
- Issuance of the SSIP is not DEP-approval of the system design.



Pennsylvania
Department of
Environmental Protection

Site Specific Installation Permits

Required elements of an SSIP application depend on:

- Tank Type (*Large AST, Small ASTs, Hi-Haz*)
- Facility Type (*Existing Large, Existing Small, New*)
- Tank Location (*New, Footprint of Previous Tank*)



Pennsylvania
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Environmental Protection

Site Specific Installation Permits

An SSIP Application may require some or all of the following elements:

- SSIP Application Part I (***ALL SSIP Applications***)
- SSIP Application Part II #1 – Mapping
- SSIP Application Part II #2 – Siting
- SSIP Application Part II #3 – Geological
- SSIP Application Part II #4 – Environmental Assessment



Pennsylvania
Department of
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Site Specific Installation Permits

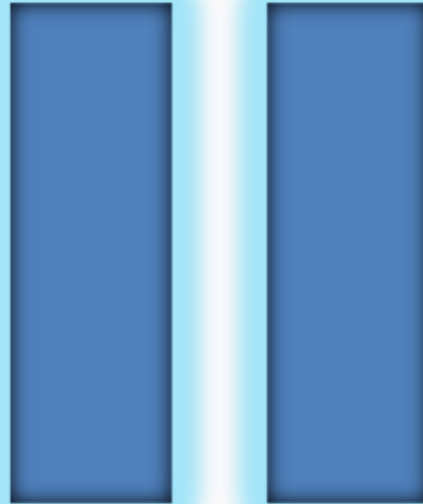
SSIP application forms, packages, checklists, and instructions can be found on the Storage Tanks website under “Forms and Applications,” or by following the link below.

[Site-Specific Installation Permit Documents](#)



Pennsylvania
Department of
Environmental Protection

Questions?





Pennsylvania
Department of
Environmental Protection

10- Minute Break





Pennsylvania
Department of
Environmental Protection

Standards of Performance





Pennsylvania
Department of
Environmental Protection

Standards of Performance

Certified inspectors are the eyes and ears of DEP.

DEP certifies inspectors to complete thorough inspection activities and report complete and accurate information to DEP using the forms that DEP provides.

All DEP forms have associated instructions. If you don't understand the form or the instructions, please call.

Forms and instructions can be found on the Storage Tanks website under "Forms and Applications".



Pennsylvania
Department of
Environmental Protection

Standards of Performance

DEP-certification is conditional on meeting the standards of performance in Chapter 245.



Standards of Performance

Installers and **Inspectors** must ensure both the tank handling or inspection activity AND the DEP report form are complete.

- An activity is not complete until it complies with Chapter 245, and applicable codes and standards.
- Incomplete paperwork does not stop the clock on your submission deadlines.

All DEP forms have comments sections. **Comments are expected.**



Pennsylvania
Department of
Environmental Protection

Standards of Performance

Standards of Performance are found in § 245.132.

Except for submission deadlines and recordkeeping requirements, the Standards of Performance for certified companies and certified individuals are largely common sense.



Pennsylvania
Department of
Environmental Protection

Standards of Performance

Certified Companies and Certified Individuals are required to:

- Keep **current** standards and specifications so any work you do is in accordance with the most **current** version.
- Follow **current** standards, codes of practice, and equipment manufacturer's instructions to ensure you're doing the work correctly.
- Report releases and contamination to DEP.
- Conduct certified activities in such a way that you don't cause a release.



Standards of Performance

Certified Company/Individual Requirements(cont'd):

- Do not certify something is complete unless it is.
- Do not sign off on work that you didn't do or oversee.*
- Do not certify the inspection of an installation or modification unless you were there to determine that it was done properly and tested properly.*
- Do not tell an owner, operator or DEP that an activity is complete unless it is, and it is in compliance with the regulations.



Standards of Performance

Document Submission

| Document | Central | Regional | Due |
|---------------------------------------|---------|----------|----------------|
| Integrity Inspection (IS, OS) | X | X | 60 days after |
| Lining Inspection | X | X | 60 days after |
| Modification Inspection | X | X | 30 days after |
| Modification Report | X | X | 30 days after |
| Notification of Contamination/Release | | X | 48 hours after |
| Registration Form | X | | 30 days after |

Failure to meet submission time-frames is a violation of the standards of performance for certified individuals and may lead to enforcement action.



Pennsylvania
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Standards of Performance

245.132(a)(3) (*related to Standards of performance*) requires certified companies, certified installers, and certified inspectors to:

Maintain complete records of tank handling and inspection activities for a minimum of 10 years.



Pennsylvania
Department of
Environmental Protection

Standards of Performance

245.132(a)(8) requires certified companies, certified installers, and certified inspectors to:

Adhere to accepted industry standards and applicable industry codes of practice when performing tank handling and inspection activities.



Standards of Performance

Installation, Modification, Repair, and Inspection standards have their own record generation and retention requirements.

“Complete” tank handling/inspection records are not limited to a copy of the DEP Inspection report form.

- Report form is a required submission.
- DEP may request additional documentation.



Standards of Performance

Both API and STI Inspection Standards include recordkeeping requirements,

Required documentation includes:

- Tank nameplate data
- Tank system specific details, including components, locations, changes
- Non-Destructive Evaluation (NDE) locations, readings, results
- Pictures, drawings, tables
- Inspection findings, deficiencies, recommendations
- Fitness for service determination



Pennsylvania
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Standards of Performance

245.132(a)(9) requires certified companies, certified installers, and certified inspectors to:

Provide requested records and documentation to the Department under section 107(c) of the act (35 P.S. § 6021.107(c)).



Pennsylvania
Department of
Environmental Protection

Standards of Performance

- **Complete STI and API reports for all PA DEP regulated tank inspections for the last 10 years; including NDE records, drawings, pictures, etc. *(as required by the relevant standard)***
- **Should be available to DEP upon request.**

Standards of Performance

Signatures

I, the DEP Certified Inspector, have inspected the entire above referenced tank system. Based on my observation of the tank system, review of examination and test results and information provided by the owner, I certify under penalty of law as provided in 18 Pa. C.S.A. Section 4904 (relating to unsworn falsification to authorities), that the information provided by me is true, accurate, and complete to the best of my knowledge and belief.

Your signature on reports certifies the accuracy and completeness of the information provided.



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Standards of Performance

DEP accepts that the information provided by certified individuals is complete and accurate.

Unless it becomes evident that a certified individual is not reporting complete and accurate information to DEP.



Standards of Performance

Submission of Falsified Documents/Information

Falsified Documents

- Inaccurate
Installer/Inspector
Information
- False Testing Results
- Incorrect Dates
- Forged Records
- Omitted Violations
- Unreported Releases

Potential Enforcements

- Penalty
- Suspension
- Revocation
- Referral to AG

(Individual AND Company)

Standards of Performance

Impacts of Falsified Information

Receipt of falsified information from a certified individual/company requires:

- Significant follow-up and investigation
- Enforcement action
- Time to restore confidence

DEP reports are legal documents. Submission of inaccurate and/or incomplete information is not a “minor” paperwork violation.



Pennsylvania
Department of
Environmental Protection

Industry Standards





Pennsylvania
Department of
Environmental Protection

Industry Standards (General)

NOTE:

Regulatory requirements shall prevail over Nationally-recognized codes and standards whenever there is a conflict.

Chapter 245 is not specific/explicit about all aspects of AST systems. Codes and Standards fill in those gaps.

Construction Standards

245.521(a) Aboveground storage tank construction shall meet or exceed Nationally recognized industry association codes of practice.

245.612(a) Aboveground storage tanks shall be designed, constructed and installed or modified in accordance with current codes of practice developed by Nationally recognized associations and the manufacturer's specifications.





Pennsylvania
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Construction Standards

API 12-series
(12A, 12B, 12C, 12F, 12P)

API 12 C 1st ed. 1936

API 650

1st ed. 1961

ASTM D1998

1st ed. 1998

UL-142

1st ed. 1922

UL-2085

1st ed. 1994



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Construction Standards

Tank Inspection Form

| | |
|---|--|
| V. Tank Identification DEP Tank ID number _____ A ID Number _____ Nominal Capacity (gallons) _____ Size: diameter _____ (ft) length/height _____ (ft) Substance stored _____ Original construction code _____ Installation Date _____ (mm/dd/yy) | VI. Fire/Safety Permit Number _____ Issuing Authority _____ Date Issued _____ <input type="checkbox"/> Horizontal Saddle Tank <input type="checkbox"/> Vertical Tank <input type="checkbox"/> Elevated Vertical Tank <input type="checkbox"/> Other _____ <input type="checkbox"/> Shop Built <input type="checkbox"/> Field Built |
|---|--|

Registration Form

| XI. INSPECTOR CERTIFICATION | | | | | | | |
|---|----------------|-----------------------|---------------------------|------------------------|------------------------|---------------------|------|
| <p><u>This section must be completed by the DEP Certified Tank Inspector(s)</u> who is responsible for verifying the installation standards for field constructed tanks and aboveground tanks greater than 21,000 gallons listed in Section VI. (Type or Print legibly) A DEP Certified Inspector may also be responsible for inspecting existing ASTs which are entering regulated service for the first time with no tank handling activities.</p> <p>SIGNATURE & CERTIFICATION OF INSPECTOR(S)</p> <p>As the certified tank inspector responsible for verifying tank handling activities and construction standards, I certify that the tank(s) listed below are constructed to appropriate industry standards and, if applicable, to manufacturer's specifications; that the tank(s) have been tested as required by industry standards; and that the tank(s) meet or exceed applicable design and operating standards; and are in compliance with the requirements of the Storage Tank and Spill Prevention Act of 1989, and all applicable regulations. I also certify under penalty of law as provided in 18 PA C.S.A. 4904 (relating to unsworn falsification to authorities), that the information provided herein is true, accurate and complete to the best of my knowledge and belief.</p> | | | | | | | |
| Tank# | Inspector Name | Construction Standard | Individual Certification# | Certification Category | Company Certification# | Inspector Signature | Date |
| | | | | | | | |

Construction Standards

If original construction standard/code can't be identified by nameplate or documentation:

P.E. must certify that the tank meets or exceeds requirements of a specified applicable standard/code.

OR

The tank should be permanently closed.

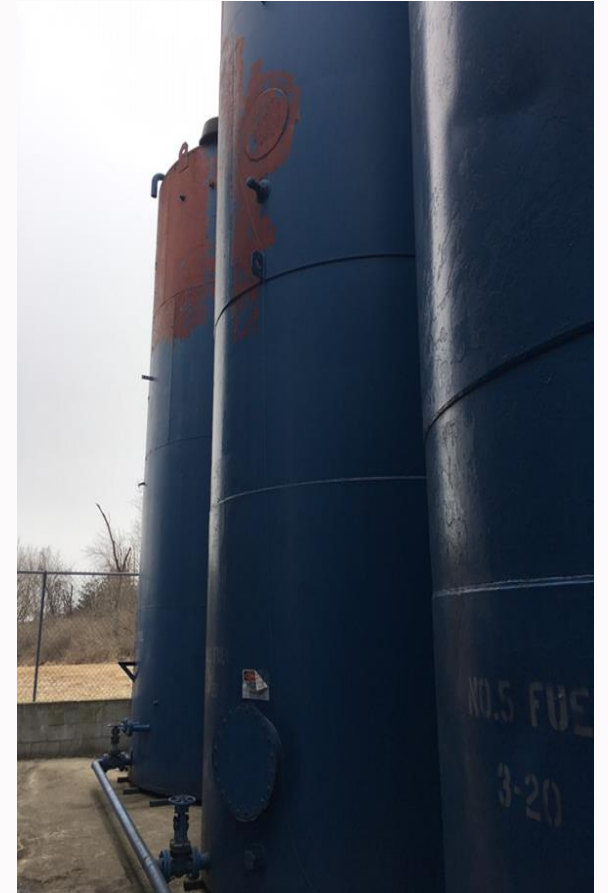


Construction Standards

If the tank was originally constructed to a non-applicable standard/code (*i.e.* UL-58 - UST), it should be permanently closed.

USTS for aboveground use specifically prohibited in NFPA 30.

*Unless evaluated by a P.E. and installation date taken into consideration.





Pennsylvania
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Installation & Modification Standards

245.521(a) New aboveground storage tank systems shall be installed in accordance with applicable codes of practice and consistent with manufacturers or fabricator's specifications as specified in § 245.522.

245.524(a) Modifications performed on aboveground storage tank systems shall be designed and implemented in accordance with current codes of practice developed by Nationally recognized associations.



Pennsylvania
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Installation & Modification Standards

245.612(a) Aboveground storage tanks shall be designed, constructed and installed or modified in accordance with current codes of practice developed by Nationally recognized associations and the manufacturer's specifications.

Installation & Modification Standards

Installation:

PEI RP 200

PEI RP 800

API 2610

Modification:

API 653

STI SP031

NACE No. 11/SSPC-PA
8





Pennsylvania
Department of
Environmental Protection

Inspection Standards

245.132(a) Certified companies, certified installers and certified inspectors shall:

8) Adhere to equipment manufacturer's instructions, accepted industry standards and applicable industry codes when performing tank handling, tightness testing or **inspection activities** or other non-tank handling activities on the project.



Pennsylvania
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Inspection Standards

API 653



API 570

*As-needed for piping
inspections*



STI SP001





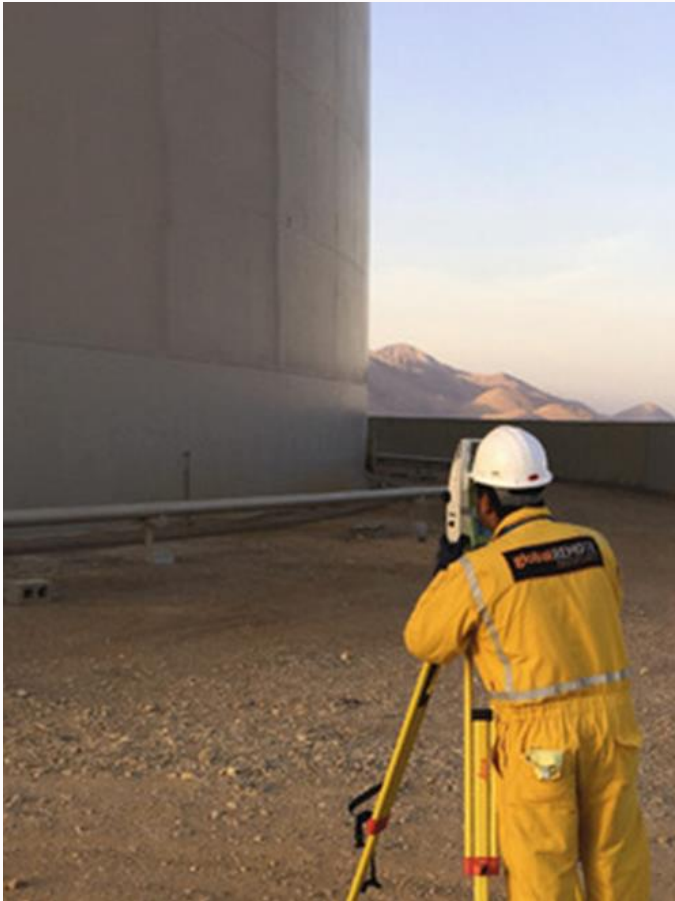
Inspection Standards

Out of Plane Survey

- Required at each Integrity Inspection conducted to API 653

245.552(b)(9) & 245.553(b)(11)

- Inspection must evaluate: tank system integrity and suitability for service.
 - API 653 4.1.3 (g) (*determining suitability for service*) “tank foundation, soil, and settlement conditions”.
 - Annex C Checklist for Tank Inspection C.1.1 measure foundation levelness and bottom evaluation.

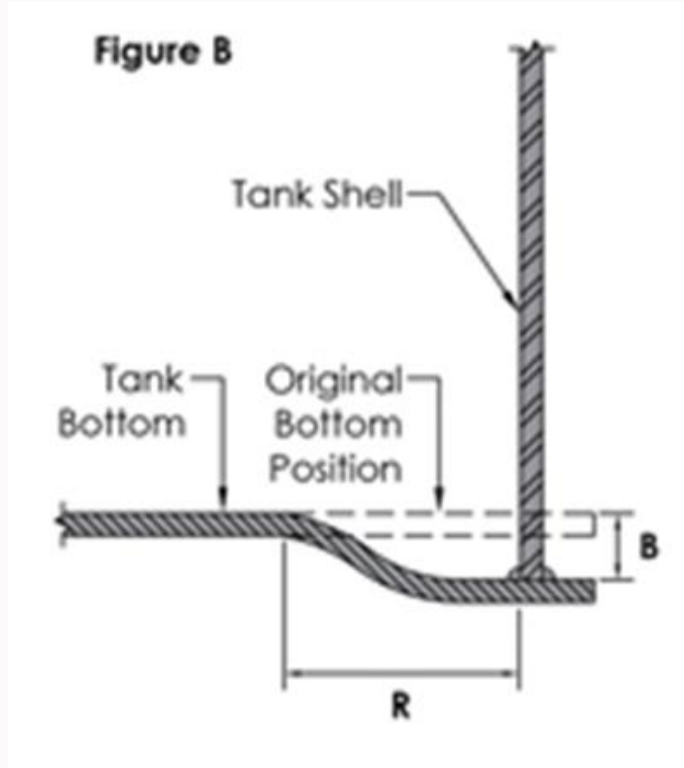




Inspection Standards

Edge Settlement Analysis

- Required at each **Out-of-Service** Integrity Inspection



245.552(b)(9) & 245.553(b)(11)

- 25 PA Chapter Code 245.553(b)(11) AST system integrity and suitability for service
 - API 653 6.4.1.1 (c) “identify and evaluate any tank bottom settlement”

Inspection Standards

STI SP001 has recordkeeping/reporting requirements that are not covered in the DEP inspection report form. Primarily found in Chapters 7 and 10.

API 653 provides minimum requirements for written inspection reports in Section 6.9.

These are part of the certified inspector and company recordkeeping requirements.



Inspection Standards

245.113. Certified inspector experience and qualifications.

| | |
|-----|--|
| IAM | 4 years, or college degree and 2 years API 653 certification or STI inspector certification or Department-approved aboveground storage tank inspector certification |
| IAF | 4 years, or college degree and 2 years API 653 certification or Department-approved aboveground storage tank inspector certification |

Required to hold certification and required to follow the inspection standard(s) for that certification.



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Inspection Standards

Sound
Familiar?

Standards of Performance

245.132(a)(8) requires certified companies, certified installers, and certified inspectors to:

Adhere to accepted industry standards and applicable industry codes of practice when performing tank handling and inspection activities.

(You'll see this again later)





Pennsylvania
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Facility Monitoring, Operations, and Maintenance





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Facility Monitoring, Operations, and Maintenance Requirements



In-Service and Out-of-Service Inspections of all ASTs, regardless of capacity, include a review of the facility's records.

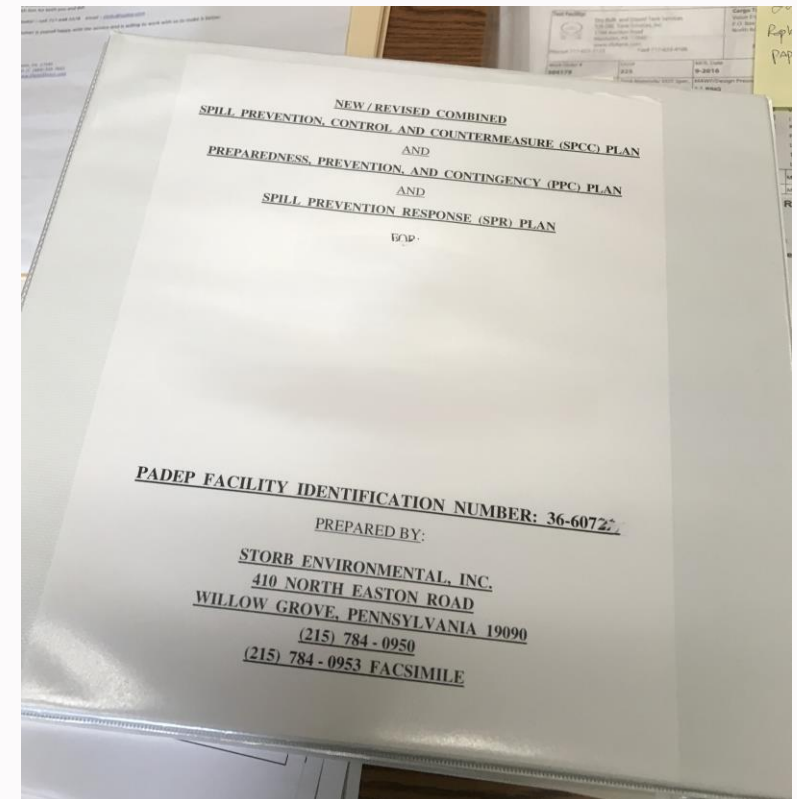
- 245.516
- 245.615

Facility Monitoring, Operations, and Maintenance Requirements

Required Facility Records

- Operation and Maintenance Plans
- Spill Prevention Response Plans
- Monthly Operation and Maintenance Inspections/Leak Detection
- 72-hour inspections
- Contractor Logs
- Installation and Modification Records
- Periodic Leak Tests
- Cathodic Protection System Specifications and Tests
- Piping Inspection Results

*Record Review is a mandatory part of an Integrity Inspection



Facility Monitoring, Operations, and Maintenance Requirements

Large ASTs/Large AST Facilities:

245.511 – A storage tank facility owner and operator shall implement and have onsite a **written operations and maintenance plan**.

245.512 – An initial **Spill Prevention Response Plan** shall be submitted to the Department for a storage tank facility with an aggregate capacity > 21,000. A current copy shall be available at the facility at all times.

245.513 – **Routine maintenance inspection procedures** shall be established and implemented. This includes a visual inspection every 72 hours and a monthly maintenance inspection.



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Facility Monitoring, Operations, and Maintenance Requirements

Small ASTs:

245.613 – A storage tank facility owner and operator shall assure that a maintenance and general operations check of the storage tank system is performed at least monthly.



Facility Monitoring, Operations, and Maintenance Requirements

XI. Record Review

1. Written operations and maintenance plan available on site: ☐ Yes ☐ No ☐ Not required
2. Spill prevention response plan is current and available on site: ☐ Yes ☐ No ☐ Not required
If yes, date of Spill prevention response plan: _____ (mm/dd/yy)
3. Monthly inspection records available for the past twelve months: ☐ Yes ☐ No
- 4. 72-hour inspection records available for the past twelve months: ☐ Yes ☐ No ☐ Not required**
5. Does the facility have complete contractor log records? ☐ Yes ☐ No ☐ Not required
6. Is a leak test required at the time of this inspection? ☐ Yes ☐ No
If yes, did the test indicate a possible leak? ☐ Yes ☐ No Which method was used? _____

245.514(b) The owner and operator of an aboveground storage tank facility with an aggregate aboveground storage capacity greater than 21,000 gallons shall maintain a written or electronic log. At a minimum, each log entry must identify the name of the individual performing tank handling and inspection activities, the individual's signature or equivalent verification of presence onsite, the company name, the date of work, start and end times, and a brief description of work performed, including tank identification.

Also found in **245.603(c)** for small ASTs.



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Facility Monitoring, Operations, and Maintenance Requirements

Contractor Logs

- Required at **facilities** with an **aggregate capacity** > 21,000 gallons
- Must include:
 - Certified individual's name
 - Certified individual's signature (or equivalent)
 - Certified individual's company name
 - Date of work
 - Start and end times
 - Description of work (incl. Tank ID)
- Facility must retain for entire life of Tank System(s), and 1 yr. after closure.



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Facility Monitoring, Operations, and Maintenance Requirements

XI. Record Review

- | | | | |
|--|------------------------------|-----------------------------|---------------------------------------|
| 1. Written operations and maintenance plan available on site: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Not required |
| 2. Spill prevention response plan is current and available on site: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Not required |
| If yes, date of Spill prevention response plan: _____(mm/dd/yy) | | | |
| 3. Monthly inspection records available for the past twelve months: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 4. 72-hour inspection records available for the past twelve months: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Not required |
| 5. Does the facility have complete contractor log records? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Not required |
| 6. Is a leak test required at the time of this inspection? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| If yes, did the test indicate a possible leak? <input type="checkbox"/> Yes <input type="checkbox"/> No Which method was used? _____ | | | |

All ASTs:

Monthly Inspections

Large ASTs Only:

Written operations and maintenance
plan

72-Hour inspection records

Facility Aggregate volume > 21,000

Spill Prevention Response Plan

Contractor Logs

Facility Monitoring, Operations, and Maintenance Requirements

- **Monthly Operations and Maintenance Checks**

- Facility required to keep 12 months of records.
- Review for completeness and applicability to that tank system/facility.
- Should include the following (as applicable):
 1. A visual examination of the tank system for deterioration.
 2. A check of the containment area for accumulation of water and removal of water as necessary.
 3. Confirmation that containment drain valves are secured in the closed position when not in use.
 4. Monitoring of the leak detection system.
 5. A check of vents for restrictions.
 6. A check of ancillary equipment for operational malfunctions.
 7. An investigation of conditions that may be a fire or safety hazard, or that pose an environmental hazard.

Facility Monitoring, Operations, and Maintenance Requirements

- Monthly Operations and Maintenance Checks (continued):
 - 8. Observation for evidence of a release of regulated substance from the tank system.
 - 9. Aboveground storage tank grounding/bonding /lightning protection.
 - 10. Fuel monitoring (check for presence of water/microbes).
 - 11. Cathodic Protection Rectifiers.
 - 12. Thermal and pressure relief systems.
 - 13. Insulated ASTs – check for areas of moisture, external corrosion.
- Evaluate the applicability and appropriateness of the checklist (Should it contain anything else?)
- Did the facility follow up on unsatisfactory conditions?



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Facility Monitoring, Operations, and Maintenance Requirements

2630-FM-BECB0170 2/2012

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

**SAMPLE MONTHLY MAINTENANCE OPERATION CHECKLIST
FOR OWNERS OF SMALL ABOVEGROUND STORAGE TANKS**

| ITEM | SYMBOL | | REFERENCE |
|--|--------|---|-----------|
| I. Visual Check for Deterioration | | | |
| Condition of tank exterior | S | U | _____ |
| Condition of aboveground piping | S | U | _____ |
| Condition of foundations and supports | S | U | _____ |
| Condition of containment structures | S | U | _____ |
| II. Containment Areas | | | |
| Level of standing water in containment | S | U | _____ |
| Drain Valves secured in a closed position | Y | N | _____ |
| Debris or fire hazard in containment | Y | N | _____ |
| III. Leak Detection System | | | |
| Leak detection system monitored | Y | N | _____ |
| Regulated Substance in containment area | Y | N | _____ |
| Evidence of release from tank | Y | N | _____ |
| Evidence of release from ancillary equipment including piping | Y | N | _____ |
| IV. Ancillary Equipment | | | |
| Overfill prevention device functioning properly (if installed) | Y | N | _____ |
| Valves functioning properly | Y | N | _____ |
| Vents clear of restrictions | Y | N | _____ |
| Gauge or monitoring device functioning properly (if installed) | Y | N | _____ |
| V. Safety Precautions | | | |
| Safety equipment in place and operative | Y | N | _____ |
| Fire extinguishers in place | Y | N | _____ |
| Safety precautions posted | Y | N | _____ |
| Tank system secured to prevent vandalism and unauthorized use | Y | N | _____ |

Facility I.D.# _____ Inspection Completed By: _____ Date: _____

Comments: _____

Symbols
S - Satisfactory U - Unsatisfactory Y - Yes N - No



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Containment





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Emergency Containment



A containment structure to capture and contain any potential releases from an AST system.

Emergency Containment

Containment Capacity

Large ASTs:

110% capacity of the largest AST in the containment.

Small ASTs:

Sufficient capacity to contain possible releases, such as overfills, leaks, and spills. Generally, that's also 110% of the AST capacity!



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Emergency Containment

Containment Capacity Problems?



Emergency Containment

Permeability

Large ASTs:

Installed after 10/11/1997

- 1×10^{-6} cm/s for the substance stored

Installed before 10/11/1997

- P.E. Verification

OR

- 1×10^{-6} cm/s for the substance stored

Small ASTs:

Sufficiently impermeable to contain any potential release for a minimum of 72 hours AND until it can be fully recovered



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Emergency Containment

P.E. Verification for Permeability of Large ASTs

- Only valid for ASTs installed before 10/11/1997

Written statement sealed by a P.E. **that the containment structure, coupled with the tank monitoring program and response plan is capable of detecting and recovering a release, and is designed to prevent contamination of the waters of the Commonwealth.**

Verification of Emergency Containment TGD

Emergency Containment

P.E. Verification for Permeability of Large ASTs



P.E. Certification of a Facility's SPCC Plan.



P.E. statement that the containment structure, paired with the facility's monitoring and response plan is capable of containing the entirety of a potential release until it can be fully recovered and is designed to protect the waters of the Commonwealth. The "entirety of a potential release" is a catastrophic failure of a full AST!



Emergency Containment

Compatibility

- All AST systems
- AST systems, including emergency containment structures, must be compatible with the substance(s) stored.

245.2(c)(3): *(c) A person may not install a storage tanks system regulated under the act unless the system does the following:*

(3) Is constructed or lined with material that is compatible with the stored substance.



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Emergency Containment

**Compatibility –
Substance not
compatible with
containment**



Secondary Containment

An additional layer of impervious material creating a space in which a release of a regulated substance from a storage tank may be detected before it enters the environment.

Secondary containment also known as *Release Prevention Barrier (RPB)*



Secondary Containment

Requirements:

- Impermeable (245.542(c) [Large ASTs] defines as 1×10^{-7} cm/s)
- Space for Leak Detection
- Monitored Monthly

*Compatible with the
substance stored*



Emergency Containment

Compatibility

- All AST systems
- AST systems, including emergency containment structures, must be compatible with the substance(s) stored.

245.2(c)(3): (c) A person may not install a storage tanks system regulated under the act unless the system does the following:

(3) Is constructed or lined with material that is compatible with the stored substance.



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Secondary Containment

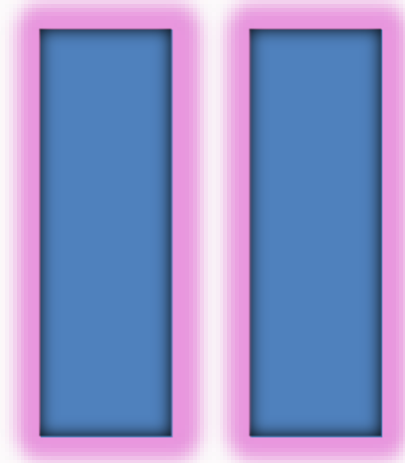
XV. Secondary Containment

1. Impermeable layer ☐ Yes ☐ No Describe: _____
2. Space for release detection ☐ Yes ☐ No Describe: _____
3. Monitored at least monthly for evidence of a release? ☐ Yes ☐ No ☐ Not Secondarily Contained



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Pause for Questions





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10- Minute Break





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Linings



Linings

- Must be chemically compatible with stored substance.
- Must be applied and cured in accordance with the manufacturer's specifications.
- Must extend up the side of the tank a minimum of 18 inches when used to protect the bottom of a tank.
- Must be examined for blisters and air pockets and tested for pinholes. Defects must be repaired prior to placing tank back in service.



Linings

- Installation and modifications need to be performed by a DEP-certified **TL**.
- Inspections of linings need to be performed by a DEP-certified **IAF**.
- Installation, Modification, and Removal of Internal Linings are Major Modifications, requiring a **Modification Inspection**.



Linings

Lining Inspections

- Required for Large, internally-lined Tanks (> 21,000 gallons)
- Maximum 10-year interval
 - * Unless approved for an extended interval by DEP
- Required part of an Out-of-Service Inspection
 - Submit the Lining Inspection Summary with the Integrity/Installation Inspection Summary



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Linings

2630-FM-BECB0014 12/2018
Form



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

FOR DEP USE ONLY

Reviewer _____
Date _____
Entered by _____
Date _____

ABOVEGROUND STORAGE TANK LINING INSPECTION SUMMARY

I. Facility Information

Facility I.D. Number _____
Facility Name _____
Facility Address _____

Municipality _____

II. Inspector Information

Name _____
Certification number _____
Phone _____
E-mail _____
Employer _____
Employer certification number _____

III. Tank Identification

DEP Tank ID number ____A
Owner's Tank ID Number ____
Nominal Capacity (**gallons**) _____
Size: diameter _____(ft) length/height _____(ft)
Substance stored _____
Original construction code _____
Installation Date _____

IV. Inspection Date(s)

Completion of this inspection _____
Lining system installed _____
Last lining inspection _____
Next lining inspection due _____
☐ Next inspection date to be determined after repairs
and before tank is returned to service.

☐ Horizontal Saddle Tank ☐ Shop Built
☐ Vertical Tank ☐ Field Built
☐ Elevated Vertical Tank



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Linings

Lining Inspection Summary Form

- The lining inspection summary form is for Periodic Lining Inspections.
- A lining installation or repair is a Major Modification, and as such requires use of the Modification Inspection Report form.



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Linings

V. Lining System Design/Installation Information

Lining System Manufacturer Name:

Lining System Material:

Original design/installation specifications were available? ☐ Yes ☐ No

Lining System Product Name:

Lining Standard Used:

Lining installed by "TL" certified installer ☐ Yes ☐ No

"TL" Name: _____

Certification number: _____

Documentation of this information is part of
the facility's recordkeeping requirements.



Linings

VI. **Certified Inspector** I, the DEP Certified Inspector, have inspected the entire lining in the above referenced tank system. Based on my observation of the lining, review of examination and test results and information provided by the owner, I certify under penalty of law as provided in 18 Pa. C.S.A. Section 4904 (relating to unsworn falsification to authorities), that the information provided by me is true, accurate, and complete to the best of my knowledge and belief. I also certify that this tank system ☐ **can** ☐ **cannot** be returned to service without additional evaluation or modification.

Certified Inspector's Signature

Date

VII. **Owner or Owner's Representative** I have reviewed the completed inspection report. I certify under penalty of law as provided in 18 PA C.S.A. Section 4904 (relating to unsworn falsification to authorities), the information provided by me is true, accurate, and complete to the best of my knowledge and belief.

Name (Please Print)

Title

Phone Number

Signature

Date

VIII. **Lining System Evaluation**

Evaluation Method(s):

☐ Visual

☐ Adhesion Measurement

☐ Audible Testing

☐ Low-Voltage Holiday Testing

☐ High-Voltage Holiday Testing

☐ Other _____

IX. **Lining System Evaluation Results** Describe the results of the evaluation method(s), including, where applicable, observed lining deficiencies, numeric results, and number and location of holidays, etc.



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Linings

What forms do I need to submit?

New Lining Installation/Repair – Modification Report (Installer), Modification Inspection (Inspector)

10-year Lining Integrity Inspection – Lining Inspection

OS integrity Inspection for tank with Liner – Lining Inspection, OS Integrity Inspection Report

Linings

Extended Interval Lining Inspection

- We require a **signed** letter from the **manufacturer**, stating that their specific liner, installed in that specific tank, is adequate for a **20-year lining inspection interval**. Quality assurance and quality control measures during installation are more stringent for these linings.

NOT...

- A letter from the manufacturer stating only that the liner **will last for 20 years**.

** Contact DEP regarding extended interval lining inspection approvals.*



Linings

For a 20-year lining inspection interval, the following are required:

- Qualifications and Certifications held by the lining manufacturer's QA/QC inspector(s).
- Lining manufacturer's installation instructions and product specifications.
 - Specifications should include, blast requirements, anchor pattern requirements, recoat windows, acceptable DFT (dry film thickness) of installed product, temperature and humidity requirements, suitability for particular services/product compatibility (immersion in x,y,z product) etc.
- Detailed inspection notes from the manufacturer's QA/QC inspector(s).



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Linings

**For more information on 20-year lining
inspection requests, contact DEP.**



Cathodic Protection

Requirements

- Galvanic
 - Must be surveyed at least every 3 years.
 - Records of the last 2 surveys must be kept.
- Impressed Current
 - Must be surveyed at least annually.
 - Must be checked for functionality at least every 60 days.
 - Facility must keep records of the last 3 checks.
- All cathodic protection systems must be surveyed within 6 months of installation or repair.



Cathodic Protection

Depleted Galvanic Cathodic Protection (CP) in a dead shell

- Depleted Galvanic CP between bottoms of double-bottom large AST.
 - DEP's position on all equipment, including CP, must function as designed.
 - When galvanic CP systems fail, the CP system can be repaired or the AST can be evaluated by a corrosion expert to determine if the AST is acceptable to operate without CP, and the CP system is properly "decommissioned".



Cathodic Protection

Depleted Galvanic Cathodic Protection (CP) in dead shell

- When a system like this fails periodic testing, the facility has 3 options:
 1. Fix the galvanic CP system;
 2. With CP expert verification that CP is not required, decommission CP system (Major Mod);
 3. If decommissioning is impractical or infeasible because there is no external access to the CP system, **Option 3**.



Cathodic Protection

Depleted Galvanic Cathodic Protection (CP) in dead shell

- Option 3 – “abandonment”
 - A. Corrosion expert evaluation
 - Determine whether space requires CP
 - Signed statement from corrosion expert:
 - CP is not required, and it is acceptable to operate tank with non-functional/depleted CP system between bottoms
 - Corrosion expert signature
 - Corrosion expert credentials

AND...

Cathodic Protection

Depleted Galvanic Cathodic Protection (CP) in dead shell

- Option 3 – “abandonment”
 - B. “IAF” inspection due date determination
 - In collaboration with corrosion expert
 - Signed letter from “IAF”:
 - Recalculated remaining service life (API or another standard)
 - Due date for next OS Inspection, based on remaining service life. Not to exceed established date or 10-years from failing CP test (whichever occurs first)
 - “IAF” signature and certification number
 - Corrosion expert signature



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AST Closures



AST Closures

Different Types of Closure:

- Temporary Closure (TOS Status)
- Permanent Closure/Removal
- Permanent Closure-in-Place
- Change-in-Service (Regulated to Exempt)





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AST Closure Checklist – Large ASTs



2630-FM-BECB0512 Rev. 12/2018

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

PLANNING FOR PERMANENT CLOSURE CHECKLIST ABOVEGROUND STORAGE TANK SYSTEMS

- ☐ "Aboveground Storage Tank System Closure Notification Form" submitted to appropriate DEP regional office with copy sent to Pennsylvania Department of Labor and Industry (or appropriate office in Philadelphia or Allegheny County) at least 30 days prior to initiating permanent closure.
- ☐ "Storage Tanks Registration/Permitting Application Form" submitted to appropriate DEP regional office, if the AST systems are required to be registered and they are not.
- ☐ Pennsylvania "One-Call" contacted (1-800-242-1776) to have utilities mark their lines.
- ☐ Local municipality contacted to obtain any necessary permits or approvals for tank system closure.
- ☐ DEP certified remover hired to perform tank handling activities.
- ☐ Arrangements made for site assessment and laboratory analysis of samples collected.
- ☐ Safety Data Sheets (SDS) obtained for all hazardous substances stored in the AST systems to be closed.
- ☐ Arrangements made for treatment/disposal of any contaminated soils encountered.
NOTE: Unless this item is specified in the contract, it can remain a continuing burden of the owner/operator.
- ☐ "Storage Tanks Registration/Permitting Application Form" obtained to amend facility status, validated by the DEP certified remover and submitted to the Division of Storage Tanks after AST system closure is completed.
NOTE: Registration fee billing will continue until an amended "Storage Tanks Registration/Permitting Application Form" is submitted to the Division of Storage Tanks.

AST Planning for Permanent Closure Checklist

Closure Activities

ALL ASTs:

Closure activities, including tank cleaning (when part of a tank closure) must have direct onsite supervision and control by a DEP-certified AST remover.

AMR, AFR, AFMX
(as appropriate)

Follow:

- Applicable industry codes/standards
- Standards of performance for certified companies & individuals in Chapter 245.



Closure - Large ASTs

Closure Notification Form

* Must be submitted **30** days before planned closure activities

[Aboveground Storage Tank System Closure Notification Form](#)

Online submission is available through the Public Upload Portal system.



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Closure - Large ASTs

Technical Guidance Document:

Closure Requirements for Aboveground Storage Tank Systems

- Methods of Closure
- Site Assessment
- Elements of Closure
- Sampling/Analytical Requirements
- Tank Handling Activities
- Closure Records



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Closure - Large ASTs

Waived/Limited Sampling Requirements

The AST Closure Guidance allows regional offices to waive or limit sampling requirements for AST system closures if certain conditions are met.

Must be requested and approved by DEP.



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Closure - Large ASTs

DEP “Book”

Site Assessment Requirements at Regulated Storage Tank System Closures

- Test Methods
- Test Parameters
- Action Levels (*select contaminants*)

Closure - Large ASTs

Closure Report

- **Clean closure:** Complete Closure Report Form can be maintained at the Facility OR Submitted to DEP
- **Contamination Observed/Discovered:** Complete Closure Report Form should be submitted to DEP.
 - Release should be reported to DEP and Corrective Action initiated (Chapter 245, Subchapter D)

[Aboveground Storage Tank System Closure Report Form](#)

Closure - Small ASTs

Tank:

- Cleaned
- Purged
- AND
- Vented (if remaining onsite)
OR
- Emptied and removed from site
according to applicable Codes,
Standards and Waste Regulations.



Closure - Small ASTs



Piping:

- Removed or capped

Fill Ports:

- Secured, capped, or dismantled

Closure - Small ASTs

Site Assessment:

Owner to conduct a visual examination of the following for indications or evidence of a release of regulated substance:

- Surface
- Soil
- Area surrounding and underlying the storage tank system



Closure - Small ASTs

Site Assessment:

- Suspected releases: Investigated according to § 245.304
- Confirmed releases: Reported to DEP Regional Office according to § 245.305

NOTE: These are requirements for Owners/Operators. Certified Individual reporting requirements are different (see next slide).



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Closure - Records

All ASTs:



- Storage Tank Registration/Permitting Application
 - Submit within 30 days of completing tank system closure.
- Facility Records:
 - Results of the Site Assessment completed at closure .
[and completed Closure Report for large ASTs]
 - Documentation of Release Investigations.



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Questions?





Pennsylvania
Department of
Environmental Protection

Get in Touch

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...

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The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water resources and to provide for the health and safety of its residents and visitors, consistent with the rights and duties established under the Environmental Rights Amendment (Article 1, Section 27 of the Pennsylvania Constitution).