





# Frequent Mishaps and Solutions with Regulated Underground Storage Tanks in Pennsylvania

**NISTM** 

5<sup>th</sup> Annual Pennsylvania

Storage Tank Conference

**April 3, 2014** 

#### Presented by:

#### **Randy Martin**

Solid Waste Program Specialist, Supervisor of the Underground Storage Tank Technical Unit



#### Topics

- Storage Tank Registration Procedure
- Technical Topics
- Operators and Availability
- Emergency Procedures
- Release Reporting Requirements
- Dispenser Removals and Replacements
- Compatibility with Alternative Fuels



- •A contract for the installation of an underground storage tank goes out for bid.
- •The selected bidder must be a current PA DEP certified company and the tank installer must possess current PA DEP underground storage tank system installation and modification certification (UMX). HINT: Ask the selected bidder to provide you with a photocopy of their current PA DEP installer & company certification cards.
- •The UMX submits a 30-day installation notice to the appropriate PA DEP regional office.
- •The underground storage tank system (tank, product lines, dispensers, vent lines, etc.) is <u>completely</u> installed, the entire system is appropriately tested, and the entire system achieves passing test results.



- •A "Storage Tanks Registration / Permitting Application Form" is completed and submitted to the PA DEP Storage Tanks Program in Central Office. This registration form must be signed by the tank owner and the UMX that installed the system.
- •The "UST Operator Training Documentation Form" and photocopies of the Class A and Class B operator training certificates must also be submitted with the registration form.
- •The Class A and Class B Operator training certificates must be from a PA DEP approved operator training provider.
- •Please note that failure to submit operator training documentation with the registration form will result in a delay in processing the form.



- •Once the PA DEP Storage Tanks Program receives the registration form, it is processed on a first-come, first-served basis. Please contact us directly if there is an emergency need to use the storage tank. (Example: a critical storage tank being replaced at a drinking water facility)
- •After the registration form is reviewed for completeness and is processed, the tank owner receives a temporary registration letter. This temporary registration letter may be emailed, faxed, or dropped in the US Mail. This temporary registration letter grants permission from the PA DEP to the tank owner to begin receiving fuel deliveries to the storage tank.
- NO FUEL MAY BE PLACED INTO THE STORAGE TANK PRIOR TO RECEIVING THIS TEMPORARY REGISTRATION LETTER!



- •A short time later, the tank owner will receive an invoice for the storage tank registration fee. The fee for an underground storage tank is \$50 per year and is due annually.
- •Once the PA DEP receives payment of the tank registration fee, the tank owner will receive a "Storage Tanks Registration / Permit Certificate." This registration certificate should be readily available to the PA DEP staff, PA DEP certified individuals, and the product distributor.



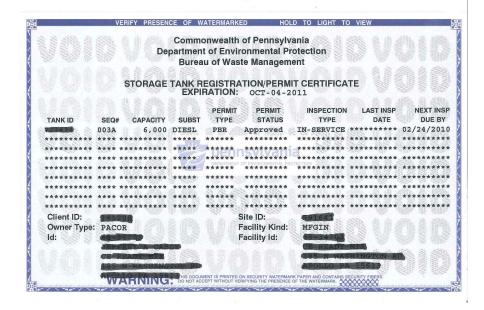


#### Commonwealth of Pennsylvania Department of Environmental Protection

Bureau of Waste Management Division of Storage Tanks Rachel Carson State Office Building P.O. Box 8762 Harrisburg, Pennsylvania 17105-8762 In Pa: 1-800-42-TANKS Outside Pa: 717-772-5599



All tank owners shall have the current valid Storage Tank Registration/Permit Certificate available, at the facility where the tank(s) is located, for inspection by the Department, certified storage tank inspector or installer and product distributor. At Retail Sales Facilities, the certificate (or copy) shall be publicly displayed at the facility where the tank(s) is located.



- •If any changes to the tank system occur, a registration form must be submitted to the Department within **30 days** of the change.
- Common changes that occur:
  - Tank Removals
  - Change of Responsible Official
  - Change of substance in the storage tank
  - Change in the tank status "Currently-in-Use" to "Temporarily Out-of-Use"
  - Change of tank owner
- •Changes aren't "official" until the PA DEP receives, reviews, and processes the registration form



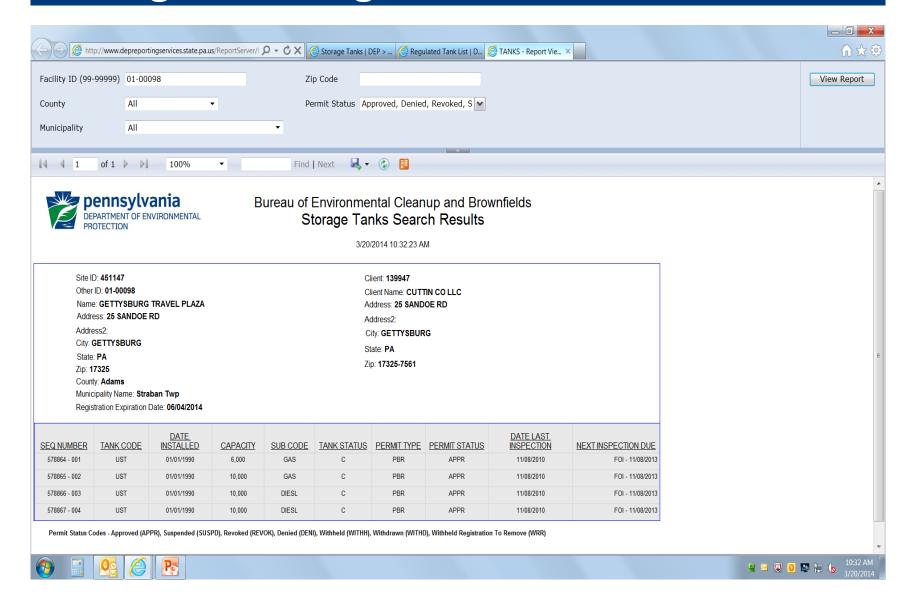
#### **Online Information**

Storage Tanks Website → Registration → Regulated Tank List

Excel spreadsheets\* (updated monthly)
or live search\*

\*Exclude large ASTs and highly hazardous tanks





#### **Facility Operation Inspections (FOI)**

- <u>3 year</u> inspection interval for routine inspections
- 6 months to 1 year after new storage tank installation
- 6 months to 1 year after a change of ownership
- Next "Facility Operations Inspection" due date is located on your "Storage Tanks Registration / Permit Certificate"
- A reminder letter from the PA DEP is sent as a courtesy; however, the facility can have an FOI at anytime. You don't need to receive a letter from the PA DEP.
- The PA DEP can ask for an inspection at any time to verify compliance
- A list of PA DEP certified underground storage tank inspectors (IUMs) can be located on our website

#### **Recommendations**:

- Have all your tanks inspected at the same time, so all of your tanks and facilities are on the same inspection cycle
- Try not to have your tank inspections scheduled during the cold winter months
- Keep a compliance binder readily available
- Shop around for inspectors (IUMs)

#### **Corrosion Protection**

- -Cathodic Protection (CP) is used to protect metal tanks and metal product piping
- -Two different types: Galvanic (anodes on tank) or Impressed Current (rectifier on wall)
  - 3 year CP survey interval for all cathodically protected metal tanks and product piping
  - <u>6 month</u> CP survey interval after a new cathodic protection system installation or repairs to an existing system
- -Impressed Current volts, amps, and runtimes from rectifier must also be documented every 60 days
- -To be compliant during an inspection, a facility must have:
  - The last 2 CP survey results that are passing (Today and 3 years ago)
  - The last <u>3</u> volt, amp, and run times from rectifier for impressed current systems (Today, 60 days ago, 120 days ago)

#### > Recommendations:

- Have the CP survey done at the same time as the FOI. Most IUMs can perform the CP survey or arrange to have it done. That's one less date to remember!
- Three years is three years. Three years and two months = non-compliant
- A CP system requires liquid moisture (electrolyte) to achieve a passing CP survey. If the CP survey is done in the cold winter months or during drought conditions, the CP survey might not pass. If drought conditions are present, try adding water to the ground with a hose and restest.
- Keep a compliance binder readily available



#### **Tank Release Detection**

- -Many different release detection methods are available for tanks
  - Interstitial monitoring
  - Automatic Tank Gauging (ATG)
  - Statistical Inventory Reconciliation (SIR)
  - Manual Tank Gauging
  - Groundwater Monitoring
  - Vapor Monitoring
- —The selected method depends on the installed tank system. Variables include tank installation date, tank size, product stored, how the product is used, etc. There are advantages and disadvantages to each and every method.
- -To be compliant during an inspection, a facility must have:
  - Documentation verifying tank release detection was **passing** and was done **monthly**
  - The last **12 months** of records prior to the date of the inspection readily available

#### **≻**Recommendations:

- Run ATG tests <u>early</u> each month. If the test is invalid or fails, you can easily run ATG test a second time. This second test also counts towards your suspected release investigation.
- Keep price in mind. The interstitial space of a double walled steel tank can be stuck manually and documented for free!
- One month is one month. One month and two days = non-compliant
- Learn your ATG system and it's capabilities. Example: Without special software called CSLD, a Veeder Root TLS-350 must be between 50-95% full to achieve a passing ATG test.
- Respond to alarms quickly and appropriately! Don't delay!
- Select a method and stick with it
- Keep a compliance binder readily available photo copy ATG printouts and place in the binder – ink fades over time!



#### **Pressurized Piping Release Detection**

-Many different release detection methods are available for pressurized piping

- Interstitial monitoring (2 different types)
- Electronic Line Leak Detector
- Mechanical Line Leak Detector
- Statistical Inventory Reconciliation (SIR)
- Precision Line Tightness Testing
- Manual Tank Gauging
- Groundwater Monitoring
- Vapor Monitoring

-The selected method depends on the installed piping system. Variables include piping installation date, piping type, piping size, product stored, how product is used, etc. There are advantages and disadvantages to each and every method.

- -There are **two** forms of pressurized piping release detection required : "big" leak and "little" leak
- -To be compliant during an inspection, a facility must have:
  - Documentation verifying that "big" leak piping release detection was <u>passing</u> and was done <u>annually</u>
  - Documentation verifying that "little" leak piping release detection was <u>passing</u> and was done <u>monthly</u> or <u>annually</u>
     depending on the method used
  - The last <u>12 months</u> of records prior to the date of the inspection readily available



#### **Suction Piping Release Detection**

- -There are two different types of suction piping systems: European (check valve at pump) or American (check valve at tank)
- -Different release detection methods are available for suction piping
  - Interstitial monitoring (2 different types)
  - Statistical Inventory Reconciliation (SIR)
  - Precision Line Tightness Testing
  - Groundwater Monitoring
  - Vapor Monitoring
- —The selected method depends on the installed suction piping system. Variables include piping installation date, piping type, piping size, product stored, how product is used, etc. There are advantages and disadvantages to each and every method.
- -To be compliant during an inspection, a facility must have:
  - Documentation verifying the type of suction piping installed European or Suction
  - Documentation verifying appropriate suction piping release detection was completed. This
    documentation varies greatly. The piping system could be exempt from release detection, required to
    complete monthly, or tri-annual release detection.

#### **Spill Prevention**

- –Unless the tank is filled in less than 25 gallon increments, a spill bucket must be installed on the tank fill
- -To be compliant during an inspection, a facility must have:
  - Spill buckets installed on all tank fills
  - All spill buckets must be in good, operable condition

#### > Recommendations:

- Keep spill buckets clean and free of debris, water, and fuel
- Maintenance is the key!
- Remember to watch for spill buckets when plowing snow
- The average life span of a spill bucket is 5 years!





#### **Overfill Prevention**

- -Unless the tank is filled in less than 25 gallon increments, an overfill prevention device must be installed on each tank. There are different types of devices: Drop tube shutoff valves, ball floats, overfill alarms, etc.
- -<u>IMPORTANT:</u> The overfill prevention device must be compatible with both the fuel delivery and vapor recovery methods generally, pressurized deliveries need overfill prevention different devices than gravity deliveries.
- -Bypassing of the overfill prevention device is prohibited (example: stick jamming drop tube flapper valve open)
- -Loose fills of flammable and combustible liquids is prohibited
- —To be compliant during an inspection, a facility must have:
  - An overfill prevention device installed on all tanks
  - Overfill prevention equipment must be in good, operable condition and it must be compatible with the delivery and vapor recovery methods

#### **Recommendations**:

- Maintenance is the key!
- Periodically test overfill alarms: Do the lights and sirens on your overfill alarm actually work? Bulbs burn out.
- Is there a gauge stick jammed in your tank fill?
- Does the delivery driver stick your tank prior to filling it and stand by the nozzle during the entire delivery?



# Real World Example of a Delivery Spill: March 2014 in Northampton County, PA

A storage tank was receiving a gasoline delivery from a tanker. The delivery driver was completing paper work in the cab of his truck instead of directly monitoring the delivery of gasoline to the storage tank. The delivery hose Camlock malfunctioned and the hose popped off the storage tank fill port. Approximately 175 gallons of gasoline was spilled on the concrete pad at the station. In a panic, the delivery driver used a garden hose to flush the gasoline into the street and also down a storm drain. After the cleanup initiated, several streets were closed, residents were evacuated, area businesses were closed, and local school buses were delayed in picking up students.



#### **Record Review**

Review all records thoroughly.

Do they make sense?

Are they realistic or even possible?

- Get to know your particular facility
- •Believe it or not, certified individuals sometimes make mistakes



STOP IN-TANK LEAK TEST T 5:IDSL OCT 6, 2008 4:00 AM

LEAK TEST REPORT T 5:1DSL

TEST STARTING TIME: OCT 6, 2008 12:00 AM

TEST LENGTH = 4.0 HRS STRT VOLUME = 3373.8 GAL

LEAK TEST RESULTS 0.20 GAL/HR TEST PASS



			Date:2/13/13		T	<del> 7</del>
LOCATION <sup>1</sup>	STRUCTURE 2	CONTACT POINT 3	LOCAL REFERENCE CELL PLACEMENT	LOCAL VOLTAGE <sup>5</sup>	REMOTE VOLTAGE <sup>6</sup>	PASSIFAILI TINCONCLUSIVE
		and the second s				
				605	NA NA	Pass
008 A	Regular flex pipe	Pipe	Dispenser 1-2	-625		
008 B	Plus flex pipe	Pipe	Dispenser 1-2	-615	NA	Pass
	Super flex piping	Pipe	Dispenser 1-2	-472	NA	Pass
008 C			Dispenser 3-4	-597	NA NA	Pass
009 A	Regular flex pipe	Pipe				Pass
009 B	Phis flex pips	Pipe	Dispenser 3-4	-589	NA	
009 C	Super flex piping	Pipe	Dispenser 3-4	-587	NA	Pass
		Pin-0	Dispenser 5-6	-868	NA	Pass
010 A	Regular flex pipe	Pipe				Pass
010 B	Plus flex pipe	Pipe	Dispenser 5-6	-875	NA	
010 C	Super flex piping	Pipe	Dispenser 5-6	-874	NA	Pass
		<u> </u>				

As a result of the survey, it was discovered that the identified applicable TANKS <u>ARE</u> currently protected to the minimum level of -0.85 volts and/or a 100 mv polarization shift as measured with the reference electrode.

### **Operators and Availability**

-All facilities must have Class A, Class B, and Class C Operators trained and designated.

#### There are no exceptions to this requirement.

- -Class A and Class B operator training certificates must be readily available for review
- -A single person may function as a Class A, Class B, and Class C Operator if they wish
- -Class A and Class B operators should train the Class C Operators and must provide them with an annual refresher of the training
- -The Class C training should include specific procedures to follow in the event of a spill, fire, emergency, etc.
- -Response times vary by Class:
  - Class A and Class B must be available by phone immediately and onsite within <u>24 hours</u>
  - Class C Operators must be available by phone immediately and onsite within <u>2 hours</u>

#### **Recommendations:**

- Have multiple Class C operators trained and designated. If you are the only Class C
  Operator and you go on vacation, you must be able to get back to your facility within 2
  hours.
- Conduct your annual Class C operator refresher training when you do your other annual safety training; such as OSHA refresher training, etc.

#### Emergency Procedures

- Emergency Procedures should be posted in area easily seen by people using dispensers and by those delivering fuel to the tanks – use good judgment
- What should be on it?
  - Class A and Class B Operator Phone Numbers
  - 24 Hour Emergency Phone Numbers
  - Location Address with County and Municipality
  - Response Procedures: Fire, Large Spill, Small Spill, etc.

#### **Recommendations:**

- Make your procedures concise and to the point. Imagine yourself reading your procedures during a real emergency situation.
- Review procedures at least annually and update them when information changes.

**Release** – "Spilling, leaking, emitting, discharging, escaping, leaching or disposing from a storage tank into surface waters and ground waters of this Commonwealth or soils or subsurface soils..."





If an owner/operator suspects a release of regulated substance at his facility, he should complete an investigation of the suspected release within <u>7 days</u> and determine if the suspected release is confirmed as a reportable release.





No notification to the PA DEP is required unless the suspected release is confirmed as a reportable release.





#### **Reportable Release:**

"A quantity or an unknown quantity of regulated substance released to or posing an immediate threat to surface water, groundwater, bedrock, soil or sediment."





When a release is confirmed as a reportable release, an owner/operator is required to notify, by telephone, the appropriate regional office of the PA DEP within **24 hours** of the reportable release.



Within <u>15 days</u> of the telephone notification, the owner/operator must submit a "Notification of Reportable Release" form to the appropriate regional office of the PA DEP.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

2550-FM-BWM0082 Rev. 12/2008 BUREAU OF WASTE MANAGEMENT

#### NOTIFICATION OF REPORTABLE RELEASE (Owners and Operators)

☐ Initial ☐ Follow-Up

#### NOTIFICATION OF CONTAMINATION (Certified Installers and Inspectors)

#### NOTIFICATION OF REPORTABLE RELEASE (Owners and Operators)

The Storage Tank Program's Corrective Action Process (CAP) regulations establish release reporting requirements for owners and operators of storage tanks and storage tank facilities.

Subsection 245.305(a) of the regulations requires owners or operators to notify the appropriate regional office of the Department as soon as practicable, but no later than 24 hours, after the confirmation of a reportable release.

Subsection 245.305(d) requires owners or operators to provide an initial written notification to the Department, each municipality in which the reportable release occurred, and each municipality where that release has impacted environmental media or water supplies, buildings, or sewer or other utility lines, within 15 days of the notice required by Subsection 245.305(a).

Subsection 245.305(e) requires owners or operators to provide follow-up written notification to the Department and to each impacted municipality of new impacts to environmental media or water supplies, buildings, or sever or other utility lines discovered after the initial written notification required by subsection 245.305(d). Written notification is to be made within 15 days of the discovery of the new impact.

This form may be used to comply with Subsection 245.305(d) and (e)

#### 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 FORM. PLEASE COMPLETE <u>ALL</u> INFORMATION IN SECTIONS I, II, IIIA, IIIB, IV, V, VII and VIII.

#### NOTIFICATION OF CONTAMINATION

(Certified Installers and Inspectors)

The Storage Tank Program's Certification regulations establish certified installers and inspectors of storage tanks and storage tank facilities.

Subsection 245.132(a)(4) of the regulations requires certified installers and inspectors to report to the Department a release of a regulated substance or confirmed or suspected contamination of soil, surface or groundwater from regulated substances observed while performing services as a certified installer or inspector.

This form may be used to comply with Subsection 245.132(a)(4). Subsection 245.132(a)(4) requires submission of the form within 48 hours of observing suspected or confirmed contamination. Where there is a reportable release, the form may be submitted jointly by the owner, operator, certified installer and certified inspector. In this instance, the form must be received by the appropriate regional office within 15 days of the notice required by Subsection 245.305(a).

CERTIFIED INSTALLERS AND INSPECTORS (I/I)
PLEASE COMPLETE <u>ALL</u> INFORMATION IN
SECTIONS I, II, IIIA, IIIC, VI, VII and VIII.

#### INSTRUCTIONS

- I. FACILITY INFORMATION Record the name, I.D. number and physical location (not P.O. Box) of the facility at which a reportable release has been confirmed or at which suspected or confirmed contamination has been observed. Include the name and phone number of a person to contact at the facility.
- OWNER/OPERATOR INFORMATION Record the name, business address and phone number of the owner of the facility identified in Section I. Also, record the name and phone number of the operator of the facility.
- III. REGULATED SUBSTANCE INFORMATION Indicate to the best of your knowledge: A) the type of product or products involved;

  B) the quantity of product or products released; and C) whether the contamination is suspected or confirmed.
- IV. REPORTABLE RELEASE INFORMATION Record the date of confirmation of the reportable release, e.g., "9/18/01"; the date and regional office notified; and the date the local municipality(ies) [provide name of municipality(ies)] was/were sent a copy of this form. Indicate to the best of your knowledge the source/cause of the release, how the release was discovered and the environmental media
- V. INTERIM REMEDIALACTIONS Indicate the interim remedial actions planned, initiated or completed.
- VI. SUSPECTED/CONFIRMED CONTAMINATION INFORMATION Record the date of observation of the suspected or confirmed contamination, e.g., "11/24/01". Indicate to the best of your knowledge the indications of a suspected release or extent of confirmed contamination resulting from the release of the regulated substance.
- VII. ADDITIONAL INFORMATION Provide any additional, relevant, available information concerning the reportable release or suspected or confirmed contamination. Include in this section specific details or problems about the release. For example, if the piping was the source of the release and the cause was corrosion of a metal connector or flexible connector, it is important to include that information here. Use additional 8½" x 11" sheets of paper, if necessary.
- VIII. CERTIFICATION Please print your name, and provide your signature and date of signature. If a certified installer/inspector, provide certification number and company certification number.
- IX. ATTACHMENT If a certified installer/inspector, provide a copy of failed valid tightness test(s), if applicable.

PLEASE SEND COMPLÉTED ORIGINAL FORM TO:

PA Department of Environmental Protection

Environmental Cleanup Program

Storage Tank Section

(and the appropriate address below, depending on where the FACILITY is located)

Southeast Region 2 East Main Street Norristown, PA 19401 PHONE: 484-250-5900 FAX: 484-250-5961

Counties
Bucks, Chester, Delaware,
Montgomery, Philadelphia

Northeast Region 2 Public Square Wilkes-Barre, PA 18711-0790 PHONE: 570-826-2511 FAX: 570-820-4907

Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton Pike, Schuylkill, Susquehanna, Wayne, Wyoming Southcentral Region 909 Elmerton Avenue Harrisburg, PA 17110 PHONE: 877-333-1904 FAX: 717-705-4830

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

Northcentral Region 208 W. Third Street, Suite 101 Williamsport, PA 17701 PHONE: 570-921-8525/327-9696 FAX: 570-327-3420

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

400 Waterfront Drive Pittsburgh, PA 15222 PHONE: 412-442-4091/4000 FAX: 412-442-4328

Counties
Allegheny, Armstrong,
Beaver, Cambria, Fayette,
Greene, Indiana, Somerset,
Washington, Westmoreland

Northwest Region 230 Chestnut Street Meadville, PA 16335-3481 PHONE: 814-332-6945 800-373-3398 FAX: 814-332-6121

Counties
Butler, Clarion, Crawford, Elk,
Erie, Forest, Jefferson,
Lawrence, McKean, Mercer,













## Dispenser removals and replacements generally fall into 4 different categories:

- Removal of a dispenser with no intent of replacing
- Removal and replacement of a dispenser involving excavation
- Removal and replacement of a dispenser not involving excavation
- Removal of a dispenser without its replacement nor excavation when placing a tank system in Temporarily Outof-Service (TOS) status.



If a facility owner wants to remove a dispenser, with no intention of ever replacing it, the Department considers this a "Partial System Closure" and would require:

- 1.A <u>30-Day Closure Notice</u> submitted to the appropriate DEP regional office.
- 2.The use of a Department certified individual with "UMR" certification to remove the old dispenser. Following the work, the "UMR" certified individual must submit two modification reports to the Department. One copy of the modification report goes to the DEP central office and a second copy of the modification report goes to the appropriate DEP regional office.
- 3.A site assessment with the appropriate sampling must be done.



If a facility owner wants to remove a dispenser, replace it, and <u>excavation is required during the work</u>, the Department considers this major modification and also a "Partial System Closure." The Department would require:

- 1.A <u>30-Day Closure Notice</u> submitted to the appropriate DEP regional office.
- 2.The use of a Department certified individual with "UMR" certification to remove the old dispenser. The "UMR" certified individual must submit the appropriate modification reports to the Department.
- 3. The use of a Department certified individual with "UMX" certification to install the new dispenser. The "UMX" certified individual must submit the appropriate modification reports to the Department.
- 4.A site assessment with the appropriate sampling must be done.
- 5. The new dispenser must have a dispenser pan or dispenser sump.



If a facility owner wants to remove a dispenser, replace it, and excavation is not required, the Department considers this a minor modification and would require:

The use of a Department certified individual with "UMX" certification to remove the old dispenser and install the new dispenser. The "UMX" certified individual must submit the appropriate modification reports to the Department. One copy of the modification report goes to the DEP central office and a second copy of the modification report goes to the appropriate DEP regional office.



If a facility wants to remove their dispensers to go into "Temporarily Out of Use" status and excavation is not required, the Department considers this a minor modification and would require:

The use of a Department certified individual with "UMX" certification to remove the dispensers. The "UMX" certified individual must submit the appropriate modification reports to the Department. One copy of the modification report goes to the DEP central office and a second copy of the modification report goes to the appropriate DEP regional office.



### Dispenser Removal Summary

	30 day notice	UMR	UMX	Major Mod	Minor Mod	Sampling /Closure report	New Reqs
Removal no replacement	X	X			X	X	
Removal/replace (bolt off/on)			X		X		
Removal/ Replace (excavation)	X	X	X	X		X	X
Removal for TOS (no excavation)			X		Χ		



### Compatibility with Alternative Fuels

#### § 245.433. Compatibility.

Owners and operators shall use an underground storage tank system, made of or lined with materials, that is compatible with the substance stored in the underground storage tank system.



### New Form - Compatibility with Alternative Fuels

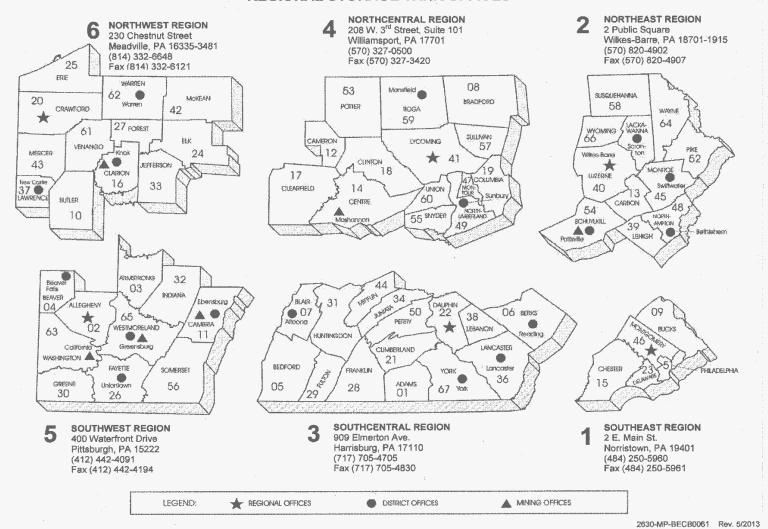
2630-M-BECBMM \$2014  ALTERNATIVE FUEL S	FOR DEP USE ONLY Reviewer Date				
when installing a new storage blends, such as gasoline-ether containing greater than 5% blo	nd signed by the storage tank own tank system, or when converting a not blends containing greater than dilesel. For aboveground storage t bottom of page 2 for the form subn	n existing storage tank syst 10% alternative fuel, or biod tank systems, this form only	iem, for sto diesel or bio y applies to	rage of altern odiesel blende tank systems	ative fuel ed fuel
DEP recommends that UST ow Sheet 2630-FS-DEP	ners and operators follow the proc	edural checklist provided i	n the Stora	ge Tank Progr	am Fact
FAGILITY/INFORMATION	ype or print (in ink) all items. When c	completing this form for a new	facility, omi	t the Facility (C	
Facility ID#:	Facility Name:				
Facility Street Address:					
Facility Telephone:	County:	Munici	pality:		
storage tank system compenient, inode/brand or equipment manu-component has been confirmed and/or has been verified by the cheither NRTL listed nor manufac DEP will not approve an operating are neither NRTL listed nor manufacture of the neither of the	staller. Type or paint (in ink) all items. White "NA" if the tank/piping/dispens discurrer cannot be determined. Chec by a Nationally Recognized Teating Lordon entertained the service of	are system does not have the ix the appropriate box(es) to aboratory (NRTL), such as U the substance stored. Only a le tank system with "unknown stance stored, unless a PA ite ormines in his/her profession lations in 25 Fa Code, Chapit	component indicate who derwriters heck "No" if component ensed profest judgment or 245. The	White "UNK" ether or not the Laboratories (U the componer its, or compone assignal engine that those com	f the IL) I is Ints that er (P.E.) ponents
Tank Odersteller, Milledama	T the reserved	Alternative Fuel Bl	and (>10%)	Stored	
Tank Orientation: Underground Capacity (gallons):	und Aboveground  Date installed:	☐ E15 ☐ E85	Other		
☐ New Tank ☐ Existing Tank		Blodlesel Blend (>			
Component	Model/Brand	☐ B10 ☐ B20  Equipment Manufacturer		ted or Manufa or the Stored I	
Storage Tank			Listed	☐ Verified	□No
Internal Tank Uning	1		Listed	☐ Verified	□No
ATG Probe, Float / Sensor		1	Listed	☐ Verified	□ Na
Tank Interstitial Sensor	*	1	Listed	Verified	□ No
Spill Bucket	t		Listed	☐ Verified	□ No
Drop Tube			Listed	Verified	□No
Overfill Auto Shut-off Valve	j t	*	Listed	☐ Verified	□ No
Ball Float Valve	1		Listed	☐ Verified	□ No
Product Pipe Information: No. 1 Product Pipe Configuration:	lew	Existing)			
Product Pipe	1		Listed	☐ Verified	□ No
				☐ Verified	□ No
Pipe Fitting / Valve Material	<u>+</u>	**************************************	Listed	☐ Aprilion	
Pipe Fitting / Valve Material Pipe Sealant / Adhesive			Listed	☐ Verified	□ No
			——————————————————————————————————————	<del></del>	□ No
Pipe Sealant / Adhesive			Listed	☐ Verified	-
Pipe Sealant / Adhesive Gaskets / Seals			☐ Listed	☐ Verified	□ No
Pipe Sealant / Adhesive Gaskets / Seals Flex Connector / Swing Joint			Listed Listed	Verified Verified Verified	□ No
Pipe Sealant / Adhesive Gaskets / Seals Flex Connector / Swing Joint Submersible Turbine Pump			Listed Listed Listed Listed	Verified Verified Verified Verified	□ No □ No
Pipe Sealant / Adhesive Gaskets / Seals Flex Connector / Swing Joint Submersible Turbine Pump Mechanical Line Leak Detector			Listed Listed Listed Listed Listed	Verified Verified Verified Verified Verified Verified	No No No No
Pipe Sealant / Adhesive Gaskets / Seals Flex Connector / Swing Joint Submersible Turbine Pump Mechanical Line Leak Detector Electronic Line Leak Detector			Listed Listed Listed Listed Listed Listed Listed	Verified Verified Verified Verified Verified Verified Verified	No No No No No
Pipe Sealant / Adhesive Gaskets / Seals Flex Connector / Swing Joint Submersible Turbine Pump Mechanical Line Leak Detector Electronic Line Leak Detector Tank Sump			Listed Listed Listed Listed Listed Listed Listed Listed Listed	Verified Verified Verified Verified Verified Verified Verified Verified Verified	No No No No No No No No
Pipe Sealant / Adhesive Gaskets / Seals Flax Connector / Swing Joint Submersible Turbine Pump Mechanical Line Leak Detector Electronic Line Leak Detector Tank Sump Tank Sump Sensor			Listed	Verified	No No No No No No No No No

#### New Form - Compatibility with Alternative Fuels

2630-BECB 1/2014						
Facility ID#:	Facility Nam	as associated for Section (Ital) of I	his form. If need	sd, attach an additional		
II (b) DISPENSER INFORMA copy of this page with Section	II(b) completed for each act	aldigitat grabatipat ettir maranest.				
Dispenser Number:	Dedicated Dispenser I		nding Dispenser	d or Manufacturer		
Component	Model/Brand	Equipment Manufacturer	Verified for	the Stored Fuel		
Dispenser			Listed	☐ Verified ☐ No		
Suction Pump			Listed	☐ Verified ☐ No		
Dispenser Sump			Listed	☐ Verified ☐ No		
Dispenser Sump Sensor			Listed	Verified No		
Sump Penetration Fittings			Listed	Verified [] No		
Flex Connector			Listed	☐ Verified ☐ No		
Emergency (Shear) Valve			Listed			
Gaskets / Seals			Listed			
Blending Valve		\$ \$	Listed	☐ Verified ☐ No		
Check Valve	1	<u> </u>	Listed	☐ Verified ☐ No		
Meter	1		Listed	☐ Verified ☐ No		
Fuel Filters			Listed	☐ Verified ☐ No		
Break-Away Device			Listed	☐ Verified ☐ No		
Nozzle(s) / Swivel(s)			Listed	☐ Verified ☐ No		
Hose(s)			Listed	☐ Verified ☐ No		
III. INSTALLER GERTIECA	TION = (Required)	stem and review of the substan				
the information provided on the installer Name	his form is true, accurate an Installer Cert. N	PA C.S.A. Section 4904 (relati d complete to the best of my kn	owledge and belie	Company Cert. No.		
		Dat	A	www.endenderidenderiden		
Installer Signature		nly if needed. See the instructi		(at and II/bit)		
Based on my personal obser storage tank system compon	vation of the storage tank sy- nents, I certify that the storage	y stem and review of the substar le tank system satisfies the com 3 PA C.S.A. Section 4904 (relati d complete to the best of my kn	nce compatibility of spatibility requirement and to unswom fall	locumentation for the nents of Act 32 and Chapter sification to authorities), that		
P.E. Name	PA License No.	Phone No. P.E. Sig	nature	Date		
V. OWNER GERTIFICATION	N = (Required)					
My signature represents to the	he Department that I own or	represent the owner of the stor. PA C.S.A. Section 4904 (relating applete to the best of my knowledge)	ag to unawom rais	eviewed the completed ification to authorities) that		
Owner/Representative Name Owner/Representative Signature Phone No. Date						
☐ Facility Owner ☐ O	wner's Representative	☐ Facility Operator ☐ F	Property Owner			
storage tank, mail the comple	eted form to PA DEP at the	a nermanent Installation/constr	ruction receid	PA DEP Division of Storage Tanks P.O. Bax 8762 Harrisburg, PA 17105-8762		
for the operational life of the	alouise and extending and a	ave it available for review upon	Manager			

### Regional Contacts

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION REGIONAL STORAGE TANK OFFICES



#### Department Contact Information

PA DEP

Rachel Carson State Office Building

400 Market Street

P.O. Box 8763

Harrisburg, PA 17105-8763

Phone: 1-800-42-TANKS (in PA)

717-772-5599

FAX: 717-772-5598

Web address: www.dep.state.pa.us

Keyword: "Storage Tanks"

### You never know...





### What you will find!







#### Randy D. Martin

Underground Storage Tank Unit

Bureau of Environmental Cleanup & Brownfields Rachel Carson State office Building P.O. Box 8763 Harrisburg, PA 17105-8763

> P 717.772.5828 F 717.772.5598

ramartin@pa.gov

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