



P.O. Box 17 | Blodgett, MO 63824 | Phone: (573) 471-1932 | Toll Free: (888) 405-2369 | Fax: (573) 471-5972

January 25, 2022

AMENDMENT TO TANK TECH, INC. INSTALLATION WARRANTY

Important advisement to Tank Tech, Inc. Customers regarding bi-annual Breach of Integrity Testing and its relationship to Tank Tech's Warranty on your Phoenix, PCS, Stand Alone or any secondary containment system installed by Tank Tech, Inc..

Documented failures caused by frequent BOI testing was brought to the Florida DEP's attention in their latest rule-making efforts between 2015 and 2017 and all references to the requirements for a Breach of Integrity Test were removed from the rule.

To maintain Your TTI warranty, In the event there is a breach in the system or liquid is discovered in the interstice and tank testing is required, Tank Tech, the manufacturer must be the first notified. If Tank Tech because of scheduling issues, cannot respond in a timely manner, Tank Tech will send a Tank Tech approved technician or company who is trained in the use of the Braddock Method to investigate.

When does DEP requires your secondary contained tank to be tested? According to Rule 62-761, at the time of installation and anytime there is a repair.



Equipment Registration Submittal

to the

Florida Department of Environmental Protection's
Division of Waste Management
Compliance Assistance Program

By

Tank Tech, Inc.

for the

PCS System

Listed by UL as the

PCS Tank System

Submitted on April 10, 2020 by

Marshall T. Mott-Smith, President
Mott-Smith Consulting Group, LLC
111 North Calhoun Street
Tallahassee, FL 32301
marshall@mott-smithconsulting.com
850-391-9835 work
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April 10, 2020

Amanda Dorsett,
Environmental Administrator
Florida Department of Environmental Protection
Division of Waste Management
Compliance Assistance Program
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Equipment Registration Amendment Request for the PCS (Phoenix) System by Tank Tech, Inc.

Dear Amanda,

We are revising our previously submitted (March 30, 2020) Equipment Registration (EQ 403) to incorporate the changes requested by the Department. We concur with most of the changes and have resubmitted the entire registration package accordingly for Elena's Comments #1 and #2.

Regarding Elena's comment #3 where she states "EPA references July 2017 UL 1856, Outline of Investigation for Underground Fuel Tank Internal Retrofit Systems - the underwriters lab utilized an older version of the code (June 14, 2013)" The actual document was developed in 2013 but was not mandatory until July 2017. At that time EPA added it to their 2015 regulations in the form of a Compendium.

Tank Tech would appreciate the expedient processing of this request. Tank Tech appreciates your consideration in this matter, and please feel free to contact me if you have any questions or if we need to provide additional information.

Best Regards,

Marshall Mott-Smith, President
Mott-Smith Consulting Group, LLC

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1. Request for Confidentiality and Overview

This Equipment Registration Submittal is sought in accordance with Florida Administrative Code Rule 62-761.850(2). With the exception of the cover letter, Registration Forms of this Equipment Registration Submittal, and UL Markings specified in Appendix C, Tank Tech is requesting that every document within the Equipment Registration be considered **CONFIDENTIAL**. The reason Tank Tech is requesting confidentiality is because the proprietary nature of the information. Tank Tech does not want to share this information with competitors and adversely affect the marketability of the Phoenix System.

As previously stated, this request is for an Amendment to the existing registration and a renewal in accordance to the requirements of Rule 62-761.850(2)(i), F.A.C. The PCS System is a field-constructed double-walled fiberglass tank system that is designed and constructed to be installed within an existing steel or fiberglass single-wall or double-wall underground storage tank. It is "co-structural" as defined in UL 1856, and improves the existing system by adding structural components.

The PCS System was UL 1316 Listed (see previous submittal), but UL 1316 is no longer the appropriate reference standard for internal field-fabricated secondary containment systems. The appropriate standard is UL 1856, adopted and referenced by the Department in Rule 62-761.210(2)(m)5., F.A.C. The UL 1856 listing is attached in Appendix A of this application. Therefore, the system meets the demonstration of equivalent protection and certification that is required in DEP Rule 62-761.850(2)(f), F.A.C. If you have any questions about the content or the authenticity of the documents, please contact Tim Crews, Staff Engineer for Underwriters Laboratories, 847-664-2516, or timothy.a.crews@usul.com.

The purpose of the Amendment is to include the improvements to the PCS system involving the application process of approved materials and coatings previously approved by the Department in EQ 880. Additionally, Tank Tech is revising the manufacturer's instructions for integrity testing and extending the testing frequency from two years to five years. Finally, Tank Tech is requiring that only Tank-Tech approved personnel install, repair, and test the PCS System in accordance with Manufacturer's Instructions, UL 1856, and EQ 760.

All of the previously submitted information for EQ 403 is the same and is not included within this submittal. That includes, but is not limited to Quality Control, materials compatibility, safety measures, fuel compatibility, interstitial monitoring, annual operability testing, and integrity testing.

All materials used in the secondary containment improvement system are non-metallic and will not corrode. The systems are impervious, able to withstand deterioration and the secondary containment and interstitial spaces have sufficient strength and thickness to contain regulated substances for 30 days.

2. Improvements to the PCS system

Improvements have been made to the PCS system involving the application process of approved materials and coatings previously approved by the Department in EQ 880. EQ 880 is for the “Impervious I” and the “Impervious II” Lining Systems. The materials for the Glass Armor Impervious I Lining System utilizes the Bridgeport Chemical “Bridgeport Glass Armor Impervious I RESIN” and ACTIVATOR” together. The materials for the Impervious II Lining System utilizes the Interplastic “AQ460. Both require the Owens Corning Type M723A, 1-1/2 oz. chopped strand mat. Impervious I and II have field tested to be applied over any primary surface whether it is single walled, has secondary containment, or is double-walled.

The tank linings are intended for field installation inside of steel or fiberglass underground fuel tanks in commercial (public) or private (fleet) automotive fueling station applications. These tank linings are nonmetallic thermoset materials that are bonded to the interior tank wall. These tank linings are typically applied on site. The tank linings provide only primary containment of stored fuels, and do not add significant structural strength to the host tank unless combined with a composite material such FRP matting which allows the lining to become a co-structural matrix.

These tank linings are intended for field installation only by persons that are trained, certified, and qualified by Tank Tech in accordance with the manufacturer's instructions. Prior to installation, cleaning, inspecting, repairing and preparing the host tank interior surface is also only to be conducted by qualified persons in accordance with the manufacturer's instructions. Tank Tech retains copies of these training records.

These tank linings are intended to be periodically inspected and maintained for continued service, or taken out of service if deemed necessary by qualified persons in accordance with the manufacturer's instructions.

The PCS tank system is intended for field installation inside of a steel or fiberglass single or double-wall tank. Of course, in Florida, it will always be a double-wall tank since secondary containment has been required since December 31, 2009. The maximum tank diameter for the PCS system is 122 inches and a maximum capacity of 41,564 gallons buried to a maximum depth of 55 inches, or inside a fiberglass reinforced plastic UST with a maximum diameter of 120.5 inches and a maximum capacity of 40,285 gallons buried to a maximum depth of 90 inches. The tank improvement system is reinforced non-metallic thermoset materials that are bonded to the interior tank wall, an interstitial material (parabeam), and a primary wall. The PCS system is field-fabricated internal secondary containment and is co-structural with the host tank.

Because the system is co-structural, EPA's Office of Underground Storage Tank's requirements for existing UST systems and co-structural systems under 40 CFR 280 apply. In addition, the guidelines for marking must be followed. The guidelines require that owners and operators using lining systems, co-structural systems, and structural systems ensure these systems are marked according to UL 1856 or equivalent, at a minimum, with the following information:

- *System manufacturer's name, trade name, trademark; series or model number; and the qualified installation company name and installation date (minimum month and year).*
- *System Type – “Underground Tank Internal _____ Retrofit System” where () is “Lining”, “Upgrade” or “Structural” as applicable.*

- *System Ratings – for “Automotive Fuels” and for “Max ___ ft Burial” where (___) is the evaluated system maximum burial depth.*
- *Leak Test Values – “Leak Test @ Max ___ psi” where (___) are the evaluated system maximum leak test pressure/vacuum (P/V) values.*
- *Interstitial Monitor Values – “___ Monitor @ Max ___ psi” where (___) are the evaluated system maximum interstitial monitor P/V values.*

Owners and operators must maintain documentation for the life of the use of these systems.

The following are new requirements for the PCS system:

1. If a PCS tank is ever in need of repairs, only a Tank Tech certified installer/repair person may perform the work. The repairs will require the application of the Impervious I or Impervious II systems in accordance with EQ 880 and UL 1856.
2. An integrity test shall be performed every five years after installation of the system.
3. The integrity test shall only be performed in accordance with EQ 760 (The Bradock Test Method) and the test methods specified in the installation instructions by a Tank Tech certified tester. Failure to use the Bradock Test Method or other test methods specified in the installation instructions by a Tank Tech certified tester will void the warranty and potentially cause adverse effects on the integrity of the improved tank.

Appendix A
UL Certification

CERTIFICATE OF COMPLIANCE

Certificate Number 20170620-MH61415
Report Reference MH61415-20170616
Issue Date 2017-JUNE-20

Issued to: Bridgeport Chemicals LLC
PO Box 120, Blodgett MO 63824

This is to certify that
representative samples of

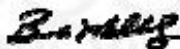
UNDERGROUND FUEL TANK INTERNAL RETROFIT
SYSTEMS
Model "PCS" underground internal upgrade retrofit system
for steel and FRP fuel tanks.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL1856, Underground Fuel Tank Internal Retrofit Systems
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Maheshholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://www.ul.com/aboutus/location>



File MH61415
Projects 4787962369

June 16, 2017

REPORT

on

UNDERGROUND FUEL TANK INTERNAL RETROFIT SYSTEMS

BRIDGEPORT CHEMICALS LLC
BLODGETT, MO

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UL LLC authorizes the above named company to reproduce this Report only for purposes as described in the Conclusion, provided it is reproduced in its entirety.

DESCRIPTION

PRODUCT COVERED:

USL - "PCS" underground tank internal upgrade retrofit system for steel and FRP underground fuel tanks.

The components comprising this system are as follows:

Component	Designation
Resin	Resin
Catalyst	Catalyst
1-1/2 oz chopped strand mat	Mat
24 oz woven roving	WR
Interstitial space material	IM
Monitoring Reservoir	MR
Gauge Plate	GP
4 in. Fitting Plate Kit	FPK
Fiberglass Manway Kit	MWK
Marking Labels	-
Installation Instructions	-

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL indicates investigation to UL1856, Outline of Investigation for Underground Fuel Tank Internal Retrofit Systems, Issue No. 1 dated June 14, 2013.

GENERAL INSTALLATION AND USE:

The tank upgrade system is intended for field installation inside of steel single wall or secondary containment underground fuel tanks having maximum diameter of 122" and maximum capacity of 41,564 gallons buried to a maximum depth of 55", or inside of fiberglass reinforced plastic single wall or secondary containment underground fuel tanks having maximum diameter of 120-1/2" and maximum capacity of 40,285 gallons and buried to a maximum depth of 90", in commercial (public) or private (fleet) automotive fueling station applications. The tank upgrade system is reinforced nonmetallic thermoset materials that are bonded to the interior tank wall, an interstitial material, and primary wall. The tank upgrade system is typically installed on site.

The tank upgrade system provides primary and secondary containment of stored fuels, and is co-structural with the host tank (i.e. both the upgrade system and the host tank together provide the structural strength).

These products are intended for containment of automotive fuels and exposure to soil fluids that have similar chemical, physical and material compatibility properties as represented by the test liquids in these requirements based on fuels formulated in accordance with 40 CFR Part 80, Regulation of Fuels and Fuel Additives, and meeting the following ASTM Fuel Specifications and blend limitations:

- a) ASTM D-975, Standard Specification for Diesel Fuel Oils, with biodiesel blends up to a maximum of 5 percent (B5);
- b) ASTM D-7467, Standard Specification for Low Blend Biodiesel, with biodiesel blends from 6 to 20 percent (B6 to B20).
- c) ASTM D-4814, Standard Specification for Automotive Spark-Ignition Engine Fuel, gasoline or oxygenated gasoline, with limited ethanol blends up to a maximum of 10 percent (E10);
- d) ASTM D-5798, Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines, high blend ethanol, with gasoline/ethanol mixtures blends from 51 to 83 percent (E51 - E83); and
- e) Mid Range Ethanol Blends (E11 to E50) using variable mixtures of ASTM D4814 Low Blend Ethanol and ASTM D5798 High Blend Ethanol.

The upgraded tanks are intended to be installed and used in accordance with one or more of the following:

- a) Flammable and Combustible Liquids Code, NFPA 30;
 - b) Code for Motor Fuel Dispensing Facilities and Garages, NFPA 30A;
 - c) Uniform Fire Code, NFPA 1;
 - d) International Fire Code published by the International Fire Council; or
 - e) Other applicable federal and state regulations for the specific product or application it is being utilized in.
-

MARKINGS:

The following permanent and legible markings shall be provided:

- a) Upgrade manufacturer's name, trade name, trademark; series or model number; and the qualified installation company name and installation date (minimum month and year).
- b) "Underground Tank Internal Upgrade Retrofit System"
- c) "For Automotive Fuels" and "Max * Burial", where * is 4.5 ft. for upgraded steel tanks and 7.5 ft. for upgraded fiberglass tanks.
- d) Leak Test Values - "Leak Test - 5 psi Max".
- e) Interstitial Monitor Values - "Pressure Monitor at Max 5 psi" and/or "Vacuum Monitor at Max 10"Hg".
- f) The UL Listing Mark, "UL LLC Listed Underground Fuel Tank Internal Upgrade System When Installed and Used in Accordance with UL Report, Reference No. MH61415, Dated 2017-06-17"

Permanent is defined as use of die or ink stamping, paint stenciling, etching or molding. Adhesive labels shall be UL Recognized Component Marking and Labeling Systems evaluated for the intended surface for outdoor use at a minimum/maximum temperature range of minus 20 °F to 140 °F (minus 29 °C to 60 °C), exposure to water, exposure to ultraviolet light, and occasional exposure to gasoline and fuel oils.

Legible markings are defined as raised, indented, or printed text in minimum 2.0 mm high letters in a contrasting color to the product or label surface. Other methods that are equivalent may be alternatively used.

INSTRUCTIONS:

Upgrade system components shipped to each installation site shall be provided with manufacturer instructions in either hard copy or e-copy form, that identify all details necessary for qualified persons to properly install the evaluated system(s) in a used tank. The instructions shall be transferred by the qualified person or manufacturer to the owner, operator or other responsible person of the facility where the installation is done.

The instructions shall include minimum details for host tank assessment, cleaning, repair, preparation and installation as applicable for each system; and production testing.

All instructions shall be preceded by the statements in bold text minimum 8.0 mm high "IMPORTANT INFORMATION - FOLLOW ALL INSTRUCTIONS", "FOR INSTALLATION ONLY BY MANUFACTURER QUALIFIED PERSONS", "CONTACT AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION", and shall include at least the minimum required information as follows:

- a) Upgrade manufacturer's name, trade name, trademark; series or model number; and the qualified installation company name and installation date (minimum month and year).
- b) "Underground Tank Internal Upgrade Retrofit System"
- c) "For Automotive Fuels" and "Max * Burial", where * is 4.5 ft. for upgraded steel tanks and 7.5 ft. for upgraded fiberglass tanks.
- d) Leak Test Values - "Leak Test - 5 psi Max".
- e) Interstitial Monitor Values - "Pressure Monitor at Max 5 psi" and/or "Vacuum Monitor at Max 10"Hg".
- f) Specific host tank selection, repair and preparation steps;
- g) Specific system material, component and installation steps;
- h) Specific system post installation inspection, measurement and leakage tests; and
- i) Specific instructions for inspection and maintenance of the system.

CONSTRUCTION DETAILS:

Components - The following components are packaged and shipped to each individual installation site:

- A. Resin - UL Recognized Component resin from Interplastics designated "COR75-AQ-460"
- B. Catalyst - Methylethylketone peroxide (MEKP) - Technical Grade, identified by the product name on the container.
- C. Chopped Strand Mat - Owens-Corning 1-1/2 oz. mat designated M723-450 or Saint-Gobain 1-1/2 oz. mat designated Vetrotex M127
- D. Woven Roving - 24 oz/yd² woven roving from Fiberex designated WR240-27.
- E. Interstitial Spacer Material (IM) - 4.5 mm thick 3-dimensional distance fabric from Parabeam.
- F. Monitoring Reservoir Kit - Consists of 4" diameter riser pipe, neoprene guide bushing, 2" diameter UL Listed fiberglass reinforced plastic underground pipe, 2" diameter UL Listed fiberglass reinforced plastic flanged coupling, UL Listed adhesive for underground piping, precut pieces of chopped strand mat as described in Item C. See ILLS. 1 and 2 for sizes of mat pieces.
- G. Gauge Plate Kit - consists of minimum 0.053" thick steel plates, at least 9" wide and at least 1 ft² in area, and precut pieces of chopped strand mat as described in Item C.
- H. Fitting Kit - consists of 4" diameter coupling welded to steel plate rolled to the radius of the outside of the tank shell, precut pieces of chopped strand mat as described in Item C and precut pieces of woven roving as described in Item D. See ILL. 3 for size of mat and woven roving pieces.
- I. Manway Kit - consists of fiberglass reinforced manway, cover, 1/8 in. thick UL Listed or Recognized Component Gasket at least 1/8" thick, bolts, washers, nuts, precut pieces of chopped strand mat as described in Item C and precut pieces of woven roving as described in Item D. See ILL. 4 for size of mat and woven roving pieces. See ILL. 5 for details of manway and manway cover.
- J. Installation Instructions - A copy of the manufacturer's installation instructions as shown in ILL. A shall be shipped with each order to each installation site.



File MH61415

Vol 1

Auth. Page 1

Issued: 2016-03-24

Revised: 2016-04-14

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

UNDERGROUND FUEL TANK INTERNAL RETROFIT SYSTEMS
(EGAF)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: 1588624 (Party Site)
Bridgeport Chemicals LLC
PO Box 120
Blodgett MO 63824

Listee/Classified Co.: 1588624 (Party Site)
SAME AS APPLICANT

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party and any applicable Service Terms. The UL Contracting Party for Follow-Up Services is listed on addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

UL further defines responsibilities, duties and requirements for both Manufacturers and UL representatives in the document titled, "UL Mark Surveillance Requirements" that can be located at the following web-site: <http://www.ul.com/fus> and in the document titled "UL and Subscriber Responsibilities" that can be located at the following website: <http://www.ul.com/responsibilities>. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the applicable Service Terms, please contact UL's Customer Service at <http://ul.com/aboutul/locations/>, select a location and enter your request, or call the number listed for that location.

The Applicant, the specified Manufacturer(s) and any Listee/Classified Co. in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable agreement is a Global Services Agreement ("GSA") with an effective date of January 1, 2012 or later and this Follow-Up Service Procedure is issued on or after that effective date, the Applicant, the specified Manufacturer(s) and any Listee/Classified Co. will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of use of the prescribed UL Mark, acceptance of the factory inspection, or payment of the Follow-Up Service fees which will incorporate such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking here: <http://www.ul.com/contracts/Terms-After-12-31-2011>. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

It is the responsibility of the Listee/Classified Co. to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

This Follow-Up Service Procedure contains information for the use of the above Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Manufacturer with the understanding that it will be returned upon request and is not to be copied in whole or in part.

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the above named Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

UL LLC has signed below solely in its capacity as the accredited entity to indicate that this Follow-Up Service Procedure is in compliance with the accreditation requirements.

Bruce A. Mahrenholz
Director
North American Certification Program

File MH61415 Vol 1 Addendum To Page 1 Issued: 2016-03-24
Authorization Page Revised: 2016-04-14

LOCATION

1588625 (Party Site)
Bridgeport Chemicals LLC
291 W McCallen
Sikeston MO 63081

Factory ID:
UL Contracting Party for above site is: UL LLC

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"Impervious I" and "Impervious II" Tank lining systems for steel and FRP underground fuel tanks	1	2016-03-24
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"I-SATS" structural retrofit systems for steel and FRP underground fuel tanks	3	2017-06-18

Listing Mark Data Page

(FILE IMMEDIATELY AFTER AUTHORIZATION PAGE)

LISTING MARK

The Listing Mark consists of four elements placed in close proximity and shall appear on Listed products only.

The word "LISTED" shall be in either the four or six o'clock position with respect to the UL symbol (see example below). Minimum size of the Listing Mark is not specified, as long as it is legible. The minimum height of the registered trademark symbol ® shall be 3/64 of an inch. When the overall diameter of the UL symbol is less than 3/8 of an inch, the trademark symbol may be omitted if it is not legible. Camera-ready artwork and relative proportions are available online at www.ul.com.



XXXX = The control number assigned by UL, MH61415

The product identity is one of the following:

"FIBERGLASS UNDERGROUND FUEL TANK INTERNAL LINING RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"FIBERGLASS UNDERGROUND FUEL TANK INTERNAL STRUCTURAL RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"FIBERGLASS UNDERGROUND FUEL TANK INTERNAL UPGRADE RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"STEEL AND FIBERGLASS UNDERGROUND FUEL TANK INTERNAL LINING RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"STEEL AND FIBERGLASS UNDERGROUND FUEL TANK INTERNAL STRUCTURAL RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"STEEL AND FIBERGLASS UNDERGROUND FUEL TANK INTERNAL UPGRADE RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"STEEL UNDERGROUND FUEL TANK INTERNAL LINING RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"STEEL UNDERGROUND FUEL TANK INTERNAL STRUCTURAL RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

"STEEL UNDERGROUND FUEL TANK INTERNAL UPGRADE RETROFIT SYSTEM FOR AUTOMOTIVE FUELS"

THIS PAGE SHALL BE REVISED BY UL LABEL OPERATIONS ONLY

Listing Mark Data Page

An optional "AND SIMILAR (FUELS OR LIQUIDS)" statement may be added to cover fuel/liquid specifications of similar chemical makeup and characteristics, e.g.:

"FIBERGLASS UNDERGROUND FUEL TANK INTERNAL LINING RETROFIT SYSTEM FOR AUTOMOTIVE AND SIMILAR FUELS"

"FIBERGLASS UNDERGROUND FUEL TANK INTERNAL STRUCTURAL RETROFIT SYSTEM FOR AUTOMOTIVE FUELS AND SIMILAR LIQUIDS"

"FIBERGLASS UNDERGROUND FUEL TANK INTERNAL UPGRADE RETROFIT SYSTEM FOR AUTOMOTIVE AND SIMILAR FUELS AND LIQUIDS"

The product identity may be omitted if the Mark is directly and permanently applied to the product by stamping, molding, ink-stamping, silk screening or similar process.

The product identity may appear elsewhere on the product when the other three elements are directly and permanently applied to the product by stamping, molding, ink-stamping, silk screening or similar process or part of the nameplate that includes the rating or the catalog or model designation.

A separable Listing Mark (not part of a nameplate and in the form of decals, stickers or labels) shall always include the four elements.

PROCUREMENT

The manufacturer may reproduce the Mark or obtain it from an authorized label supplier. Authorized label suppliers can be found online at www.ul.com.

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



June 16, 2017

Mr. Dave Russell
Bridgeport Chemicals LLC
PO Box 120
Blodgett, MO, 63824, US

Our Reference:	File MH61415, Vol. 1	Order: 11748544
		Project: 4787962369
Your Reference:	BPC-6892714	
Project Scope:	4787962369 - 1101347856 - MH61415 - EGAF - Investigation of Underground Storage Tank Upgrade (PCS) and Structural (SASS) Systems	

Dear Mr. Russell:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File MH61415, Vol 1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:
<http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Timothy Crews
Staff Engineer
Timothy.A.Crews@ul.com

Reviewed by:

Bruce A. Mahrenholz
CPO Director
Bruce.A.Mahrenholz@ul.com

42fb633f-1c5d-4259-8391-76aafdc91e15

Appendix B
DEP Form 62-761.900(9), F.A.C.



Department of Environmental Protection

2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: July 2019

Incorporated in Rule 62-761.850, F.A.C.

EQ-403 AMENDMENT 3

Storage Tank System Equipment Registration Form

Fill out completely

General Information

Company Name: Tank Tech Inc.

Contact Name: Dave Russell

Company Address: P. O. BOX 17

City, State: BLODGETT, MO

Zip: 63824

E-mail: david@tanktech.com

Contact Number: 573.471.1932

Product Name: PCS System, also know as the Phoenix System

Model Number(s): PCS

Product Type: Internal Field-Fabricated Secondary Containment

Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST),

62-761.500(2)(f), F.A.C.

Storage Tank System Requirements, Installation

F.A.C.: Write a brief description of equipment registration request including product limitations:

This Amendment includes improvements to PCS involving the installation of approved materials and coatings (EQ 880), extending the testing frequency from two years to five years, and requiring that only Tank-Tech approved personnel install, repair, and test the PCS System in accordance with Manufacturer's Specifications, UL 1856, and EQ 760.

Information Checklist (Choose Yes, No, or N/A - Not Applicable):

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory? (Required)	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☒	☐	☐
4. Technical information and drawings included?	☒	☐	☐
5. Installation instructions included?	☒	☐	☐
6. Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)?	☒	☐	☐
7. Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)?	☒	☐	☐
8. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☒	☐	☐
9. Has the product been approved or registered in other countries or states? (If so provide list)	☐	☒	☐
10. Any requirements for company-certified installers or trainers?	☒	☐	☐
11. Was this product(s) previously approved or registered by the Department? If yes, EQ- 403	☒	☐	☐
12. Any changes or modifications to the equipment since the last submittal to DEP?	☒	☐	☐

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

The PCS System is an internal field-fabricated secondary containment system (EQ 403) that is co-structural and that is UL Listed under UL 1856. It can be used to upgrade or repair an existing UST.

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Marshall T. Mott-Smith

Printed Name and Title

Marshall T. Mott-Smith 26 Mar 20

Signature (right click to sign)

Date

For Department Use Only:

Date Application Received: 4/10/2020

Application complete:

Yes: ☐ No: ☐

EQ- 403A3

Date of complete or incomplete letter sent: 4/13/2020

Date Equipment Requires Renewal: 4/13/2025

Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-761.850(2), F.A.C.

Appendix C

UL 1856 Required Markings

File MH61415 Vol. 1 Sec. 2 Page 3 Issued: 2017-06-16
and Report

MARKINGS:

The following permanent and legible markings shall be provided:

- a) Upgrade manufacturer's name, trade name, trademark; series or model number; and the qualified installation company name and installation date (minimum month and year).
- b) "Underground Tank Internal Upgrade Retrofit System"
- c) "For Automotive Fuels" and "Max * Burial", where * is 4.5 ft. for upgraded steel tanks and 7.5 ft. for upgraded fiberglass tanks.
- d) Leak Test Values - "Leak Test - 5 psi Max".
- e) Interstitial Monitor Values - "Pressure Monitor at Max 5 psi" and/or "Vacuum Monitor at Max 10"Hg".
- f) The UL Listing Mark, "UL LLC Listed Underground Fuel Tank Internal Upgrade System When Installed and Used in Accordance with UL Report, Reference No. MH61415, Dated 2017-06-17"

Permanent is defined as use of die or ink stamping, paint stenciling, etching or molding. Adhesive labels shall be UL Recognized Component Marking and Labeling Systems evaluated for the intended surface for outdoor use at a minimum/maximum temperature range of minus 20 °F to 140 °F (minus 29 °C to 60 °C), exposure to water, exposure to ultraviolet light, and occasional exposure to gasoline and fuel oils.

Legible markings are defined as raised, indented, or printed text in minimum 2.0 mm high letters in a contrasting color to the product or label surface. Other methods that are equivalent may be alternatively used.

Sample UL sticker utilized by Tank Tech and accepted by UL

		Bridgeport Chemical LLC	
LISTED		Underground Storage Tank Retrofit System for Automotive fuels, when installed and Used in Accordance with UL Report, Reference No. MH61415, Vol.1, Dated 2017-06-18. For "Impervious I" and "Impervious II" for automotive fuels the max burial is 4ft for lined steel tanks and 50-3/4in for lined fiberglass tanks, "PCS" models for automotive fuels the max burial is 4.5ft for upgraded steel and a max burial of 7.5 feet for upgraded fiberglass, and for "I-SATS" model for automotive fuels the max burial is 49 inches.	
Manufacturer's Serial Number	BPC-000028	Tank Capacity	6,000 GALLONS
Leak Monitoring System		Date MFD	1.30.20
Test Pressure		Test Vacuum	
5	PSI	10	PSI

Equipment Registration Application to the Florida DEP Storage Tank Regulation Section prepared and completed by:

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Marshall Tipton Mott-Smith

March 30, 2020