



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	8/15/2022	
Notification Form Received	Y	N
	<input type="radio"/>	<input checked="" type="radio"/>

NOTICE OF VIOLATION (UST)

Facility Status: Active

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 W 185th Street Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Len McEnergy 708-444-0117 E...
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County
Len McEnergy 708-444-0117
 Contact Person Phone

Violations of 41 Ill. Adm Code 174, 175, 176 and 177 of the Office of the Illinois State Fire Marshal and 40 CFR Parts 280 of the Federal Register requirements are hereby called to your attention. The violations found and corrections to be made have been identified below or stated in the remarks section. Any repairs, modifications or alterations to the tank system must be performed in compliance with OSFM rules and by a contractor licensed by this office. You are allowed a 60-day window to come into compliance effective from the date of this notice. If compliance is not made by **10/14/2022**, your underground storage tanks system will be **RED TAGGED AND/OR THE VIOLATION(S) WILL BE REFERRED TO THE ATTORNEY GENERAL'S OFFICE FOR PROSECUTION.** You are prohibited from having product placed into the UST system when a **RED TAG** exists. Contact the Storage Tank Safety Specialist below when said violations are corrected and if you have any questions.

RED TAGS WILL NOT BE REMOVED UNTIL ALL DEFICIENCIES HAVE BEEN CORRECTED.

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status
1	20,000	Gasoline - Regular	Currently in use
2	6,000	Gasoline - Premium	Currently in use
3	12,000	Diesel Fuel	Currently in use
4	10,000	E-85	Currently in use

SECTION A. TANK RELEASE DETECTION

SECTION B. PIPING RELEASE DETECTION

SECTION C. SPILL PREVENTION

SECTION D. OVERFILL PREVENTION

SECTION E. TANK CORROSION PROTECTION

SECTION F. PIPING CORROSION PROTECTION

SECTION G. DISPENSERS AND HOSES

SECTION H. MISCELLANEOUS

Facility Violation Text:
Missing copies of current testing certificates for operator training

Remarks:
Current employees didn't have displayed for C certificates. Have manager print off and put in the book.

Remarks:

(Note: If any equipment fails or is identified as deficient during testing, it must be repaired or replaced to comply with this violation.)

- Signature unobtainable
- Signature refused

8/15/2022

X Charles Southern



Signed by: CHARLES E SOUTHERN

Signed by CHARLES E SOUTHERN [View details](#)
on Monday, August 15, 2022 12:20 PM (Central Daylight Time)

Storage Tank Safety Specialist (Signature)

Phone: 312-636-1953

Vicki Jackson MNGR

Exit interview given to Title



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #:	2047018
NOV #:	E0020222518
NOV Date:	8/15/2022
Date:	10/6/2022

NOTICE OF VIOLATION - PROGRESS REPORT

Facility Status: Active

OWNER OF TANKS

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 W 185th Street Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Len McEnery 708-444-0117 Ext. 101
 Contact Person Phone

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

VIOLATIONS

Tanks: N/A Status: Complied

Violation:
 Missing copies of current testing certificates for operator training
 Remarks:

Remarks:

- Signature unobtainable
- Signature refused

10/6/2022

X *Charles Southern*

Sherry L. Wilson

Signed by: CHARLES E SOUTHERN

Sherry Wilson Owner
 Exit interview given to Title

Storage Tank Safety Specialist (Signature)
 Phone: 312-636-1953



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	3/13/2024
Notification Form Received	Y N <input type="radio"/> <input checked="" type="radio"/>

NOTICE OF VIOLATION (Motor Fuel Dispensing)

Attended Self-Service

Facility Status: Active

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 185th Street, Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Leonard McEnery 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County
Len McEnery 708-444-0117
 Contact Person Phone

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SECTION A.	EMERGENCY SHUTOFF SWITCHES
SECTION B.	FIRE EXTINGUISHERS
SECTION C.	SIGNS
SECTION D.	DISPENSERS AND HOSES
SECTION E.	FIRE CONTROL AND SUPPRESSION
SECTION F.	FIRE DETECTION SYSTEMS

SECTION G. MISCELLANEOUS

Violation Text:
Farthest dispenser is greater than 40' and site lacks a communication system or system is inoperable

Remarks:
Dispensers 17/18 and 21-22 communication is not working.

Remarks:

(Note: If any equipment fails or is identified as deficient during testing, it must be repaired or replaced to comply with this violation.)

Signature unobtainable

Signature refused

3/13/2024



X *Christopher A. Lehnert*

Signed by: Christopher A Lehnert

Sherry Wilson

A/B Operator

Storage Tank Safety Specialist (Signature)

Exit interview given to

Title

Phone: 217-900-0465



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #:	2047018
NOV #:	E0020240758
NOV Date:	3/13/2024
Date:	4/11/2024

NOTICE OF VIOLATION - PROGRESS REPORT

Facility Status: Active

OWNER OF TANKS

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnery 708-444-0117
 Contact Person Phone

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

VIOLATIONS

Tanks: N/A Status: Complied
 Violation:
 Farthest dispenser is greater than 40' and site lacks a communication system or system is inoperable
 Remarks:

Remarks:

- Signature unobtainable
- Signature refused

4/11/2024

X *Christopher A. Lehnert*

Sherry L. Wilson

Signed by: Christopher A Lehnert

Sherry Wilson A/B Operator
 Exit interview given to Title

Storage Tank Safety Specialist (Signature)
 Phone: 217-900-0465



Office of the Illinois State Fire Marshal
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 Springfield IL 62703

Facility #	2047018	
Date	3/13/2024	
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	<input type="radio"/>	<input checked="" type="radio"/>

NOTICE OF VIOLATION (UST)

Facility Status: Active

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 185th Street, Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Leonard McEnergy 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
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Tinley Park IL 60487 Cook
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Len McEnergy 708-444-0117
 Contact Person Phone

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RED TAGS WILL NOT BE REMOVED UNTIL ALL DEFICIENCIES HAVE BEEN CORRECTED.

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status
1	20,000	Gasoline - Regular	Currently in use
2	6,000	Gasoline - Premium	Currently in use
3	12,000	Diesel Fuel	Currently in use
4	10,000	E85	Currently in use

SECTION A. TANK RELEASE DETECTION

SECTION B. PIPING RELEASE DETECTION

Tank ID#

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
----------	----------	----------	----------

Violation Text:

Piping interstitial must be open in all sumps

Remarks:

The STP and Dispenser product piping sump jumper tubes shall be removed or the product piping test boots pulled back after testing to allow the interstice to be open to the sump sensors. 175.420
 b) (STP's E-85,RUL, and Diesel) (Dispensers 17/18, 21/22, All of truck side dispensers)

SECTION C. SPILL PREVENTION

Tank ID#

<u>1</u>

Violation Text :

Spill prevention equipment contains liquid/debris and must be cleared of materials and maintained clean and dry.

Remarks:

Tank ID# 3

Violation Text :

Spill prevention equipment failed triennial testing. Must be repaired or replaced.

Remarks:

Diesel failed test on 9/20/2023

SECTION D.	OVERFILL PREVENTION
SECTION E.	TANK CORROSION PROTECTION
SECTION F.	PIPING CORROSION PROTECTION
SECTION G.	DISPENSERS AND HOSES
SECTION H.	MISCELLANEOUS

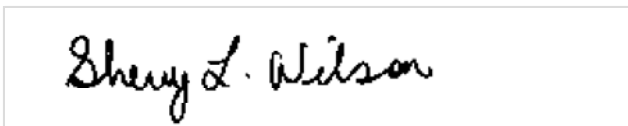
Remarks:

(Note: If any equipment fails or is identified as deficient during testing, it must be repaired or replaced to comply with this violation.)

- Signature unobtainable
- Signature refused

3/13/2024

X 



Signed by: Christopher A Lehnert
 Signed by Christopher A Lehnert [View details](#)
 on Wednesday, March 13, 2024 3:17 PM (Central Daylight Time)
 Storage Tank Safety Specialist (Signature)
 Phone: 217-900-0465

Sherry Wilson A/B Operator
 Exit interview given to Title



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #:	2047018
NOV #:	E0020240757
NOV Date:	3/13/2024
Date:	4/11/2024

NOTICE OF VIOLATION - PROGRESS REPORT

Facility Status: Active

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnergy 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnergy 708-444-0117
 Contact Person Phone

VIOLATIONS

Tanks: 1 Status: Complied
 Violation:
 Spill prevention equipment contains liquid/debris and must be cleared of materials and maintained clean and dry.
 Remarks:

Tanks: 3 Status: Complied
 Violation:
 Spill prevention equipment failed triennial testing. Must be repaired or replaced.
 Remarks:

Tanks: 1, 2, 3, 4 Status: Complied
 Violation:
 Piping interstitial must be open in all sumps
 Remarks:

Remarks:

Signature unobtainable

Signature refused

4/11/2024

X *Christopher A. Lehnert*

Sherry L. Wilson

Signed by: Christopher A Lehnert

Sherry Wilson

A/B Operator

Storage Tank Safety Specialist (Signature)

Exit interview given to

Title

Phone: 217-900-0465



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	8/27/2025	
Notification Form Received	Y	N
	<input type="radio"/>	<input checked="" type="radio"/>

NOTICE OF VIOLATION (UST)
Facility Status: Active

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 185th Street, Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Leonard McEnergy 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
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7451 183rd Street
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Tinley Park IL 60487 Cook
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Len McEnergy 708-444-0117
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RED TAGS WILL NOT BE REMOVED UNTIL ALL DEFICIENCIES HAVE BEEN CORRECTED.

TANK SYSTEM INFORMATION			
Tank	Capacity	Product	Status
3	12,000	Diesel Fuel	Currently in use

SECTION A. TANK RELEASE DETECTION

SECTION B. PIPING RELEASE DETECTION

Tank ID#

Violation Text:
 Line leak detection equipment in alarm or failed test, must repair or replace.

Remarks:
 Leak detector failed.

SECTION C. SPILL PREVENTION

SECTION D. OVERFILL PREVENTION

SECTION E. TANK CORROSION PROTECTION

SECTION F. PIPING CORROSION PROTECTION

SECTION G. DISPENSERS AND HOSES

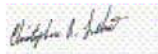
SECTION H. MISCELLANEOUS

Remarks:

(Note: If any equipment fails or is identified as deficient during testing, it must be repaired or replaced to comply with this violation.)

- Signature unobtainable
- Signature refused

8/27/2025

X 



Signed by: Christopher A Lehnert
Signed by Christopher A Lehnert [View details](#)
on Wednesday, August 27, 2025 8:09 AM (Central Daylight Time)
Storage Tank Safety Specialist (Signature)
Phone: 217-900-0465

Sherry Wilson	A/B Operator
Exit interview given to	Title



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Motor Fuel Dispensing Facility Application

Owner - U0039801

Facility - 2047018

Owner Name Lenny's Food N Fuel 183rd Street, LLC
Address 8200 W 185th Street Suite K
 Tinley Park, IL 60487
Contact Person Len McEnery
Phone Number (708) 444-0117

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

The rules governing motor fuel dispensing facilities are found in Title 41 of the Illinois Administrative Codes, Parts 174, 175, 176 and 177. The rules require that construction of a new motor fuel dispensing facility or modification of an existing facility shall not be commenced until applications and plans are given written approval by the Office of the State Fire Marshal. Facilities are prohibited from opening for business until they have been inspected by an inspector from the OSFM Petroleum & Chemical Safety Division.

NOTE: Facilities are not approved for fuel dispensing until a final inspection and approval has been granted after an on-site inspection conducted by the OSFM's Division of Petroleum & Chemical Services (DPCS).

Facility will be operated as: An Attended Self-Service Motor Fuel Dispensing Facility

This Application applies to: A newly constructed motor fuel dispensing facility

Number of Dispensing Devices to be Self-Service: 42

Is collision protection provided in accordance with nfpa 58 for any LP-Gas storage cabinets? Yes

If "Yes" specify: Guardrails Steel or Concrete Bollards Raised Sidewalks Other:

Are any dwelling units or sleeping areas located at this facility? No

Are emergency shutoff switch/s:

Provided at the Control Station for Attended Facilities? Yes

Located so that an emergency switch is located at least 20 ft. and not more than 100 ft. from each dispenser? Yes

Conspicuously marked and easily accessible? Yes

Interconnected so that activation of one emergency shutoff activates all shutoffs? Yes

Are portable fire extinguishers provided as required by regulations? Yes

Are fuel dispensers protected against collision damage? Yes Method: Bollards

Will any buildings on this property or adjacent to this property contain basements located within 20 ft. of underground dispensing storage tanks? No

Are warning and instructional signs posted as required by the rules? Yes

Is a method that does not require coin or currency provided for contacting the fire department? Yes (Required at all except Marina Motor Fuel Dispensing Facilities)

Is a control station located as required by the rules? Yes

Are all dispensing devices readily visible from the control station? No Specify means: CAMERAS

For dispensers > 40 ft. From the control station, is a means provided for the attendant to communicate with persons in the dispensing area? Yes

Submitted Plans

Document Name	Last Update
Lenny Tinley Drawing.pdf	3/13/2020 10:36:54 AM

dispensing devices; Location of Control Stations & Emergency Shutoff Switch/s; Fire Extinguisher Locations & Sizes; The Location of any LPG or Flammable/Combustible Liquid Storage Tanks at the Site; LPG cylinder storage cabinets. Insufficient information can be cause for return or denial.

This application does not apply to the installation/modification of underground storage tanks at this facility. A separate application is required for any work involving Underground Storage Tanks.

The submittal of this application is not necessary if a change of business name has occurred at a currently permitted service station or a change of ownership has occurred at a currently permitted service station. If either of these has occurred, please submit a notification form to this office at Division of Petroleum and Chemical Safety, 1035 Stevenson Drive, Springfield IL, 62703.

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, the undersigned deposes and says that the information and statements contained in this application are true and correct and are made for the purpose of obtaining an approval from the OSFM for the operation of a motor fuel dispensing facility. The installation shall be made in full accord with the conditions set forth in this submitted application & site drawings.

Name of Applicant: Stephen Kryl

Date: 03/13/2020

Title: Project manager

Representing: Anderson Pump Service



**Office of the Illinois
State Fire Marshal**
"Partnering With the Fire Service to Protect Illinois"

APPROVAL GRANTED FOR ATTENDED SELF-SERVICE MOTOR FUEL DISPENSING FACILITY

3/16/2020

Lenny's Food N Fuel 183rd Street, LLC
8200 W 185th Street Suite K
Tinley Park, IL 60487

In Re: Facility No. 2047018
Lenny's Food N Fuel 183rd Street, LLC
7451 183rd Street
Tinley Park, IL 60487

The application and site plans received on March 13, 2020 are hereby approved. Motor fuel dispensing facilities are regulated by the Office of the Illinois State Fire Marshal in accordance with Title 41 Illinois Administrative Code Part 175 "Storage, Transportation, Sale and Use of Petroleum and Other Regulated Substances" Section 210

This review does not pertain to the installation, upgrade, removal, lining or abandonment-in-place of underground storage tanks at this facility

Approval of this application and site plans by the Office of the Illinois State Fire Marshal does not supersede any local ordinances that pertain to the storage and/or dispensing of flammable/combustible liquids.

You are required to contact the Division of Petroleum and Chemical Safety at (217)785-1020 when all work has been completed and before any portion of the station is put into operation in order that an on-site inspection can be scheduled. The approval of this motor fuel dispensing facility is effective for a period of six months from the date of this letter. If the proposed work is not done within this time period, the approval will be considered void, and re-application to the Office of the State Fire Marshal is required.

Sincerely,

A handwritten signature in cursive script that reads "Daniel G. Starks".

Daniel Starks
cc: Facility File

183rd STREET



#	LEGEND
1	NEW DW FG TANKS (20,2-6,10,12,3)
2	OBSERVATION WELL (typ 4)
3	SPILL MANHOLE WITH OVERFILL PREVENTION
4	DUAL POINT STAGE I VAPOR RECOVERY
5	VEEDER ROOT AUTOMATIC TANK GAUGE
6	SUBMERSIBLE PUMP WITH SUMP AND SENSOR
7	2" SW FG VENT & REMOTE FILL PIPING
8	2" DW LCX FG PRODUCT PIPING
9	3" DW LCX FG PRODUCT PIPING
10	1" DEF-TRAC PIPING
11	STAINLESS STEEL REMOTE FILL BOX
12	DISP SUMP w/ SENSOR (typ. 15)
13	GILBARCO BLENDER (typ. 2)
14	GILBARCO BLENDER + E85 (typ. 7)
15	GILBARCO STANDARD DIESEL (typ. 2)
16	GILBARCO MASTER w/DEF (typ. 1)
17	GILBARCO MASTER/SATELLITE w/DEF (typ. 2)
18	GILBARCO SATELLITE (typ. 1)
19	NEW C-STORE BUILDING (no basement)
20	NEW CANOPY (2)

General Notes

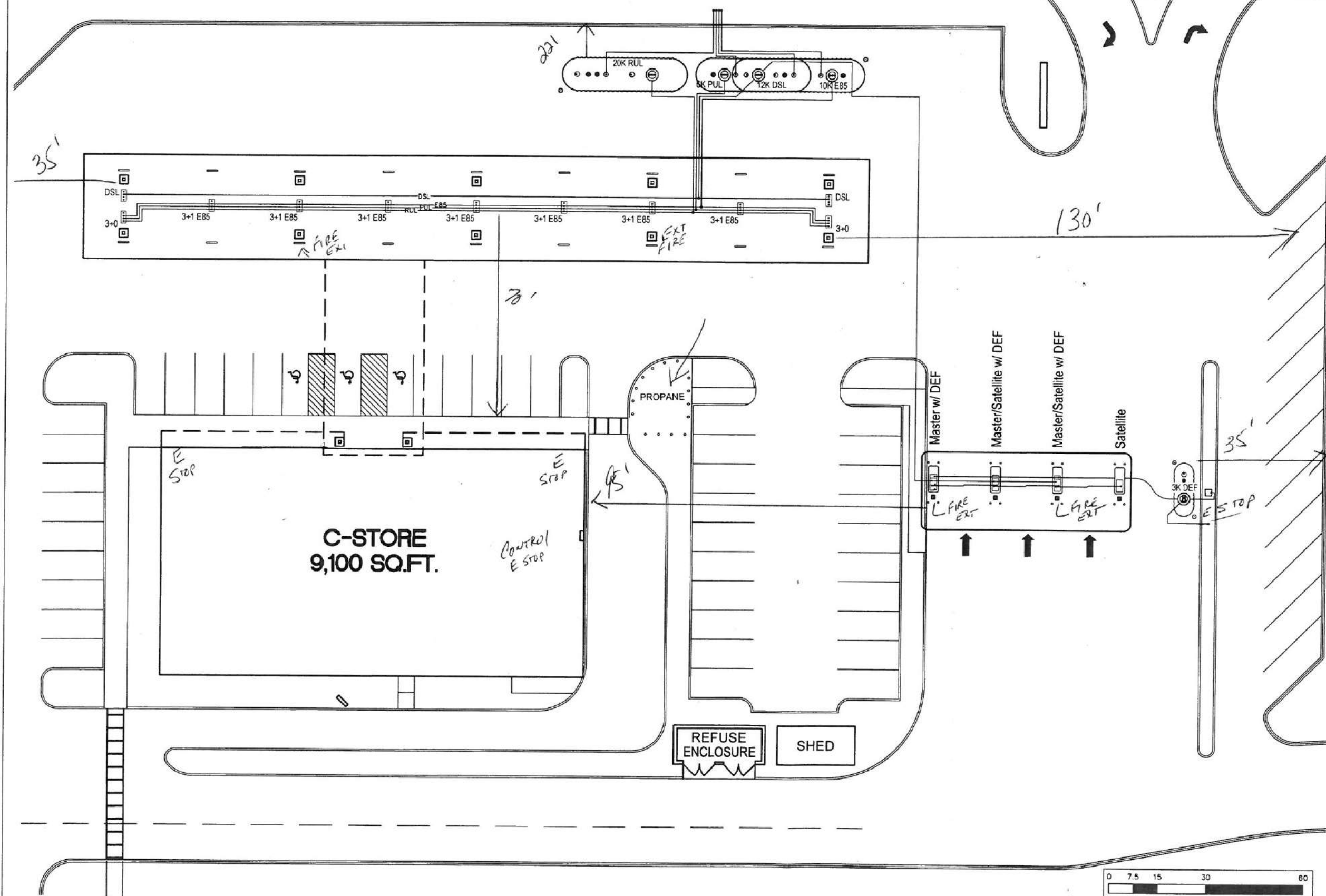
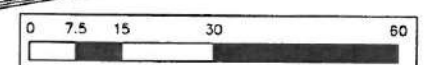
Comments:
 ALL TANKS AND PIPING TO BE DOUBLE WALL WITH CONTINUOUS MONITORING OF SECONDARY CONTAINMENT
 ALL TANK & DISPENSER SUMPS WILL HAVE SENSORS



Lenny's Food N Fuel
 Tinley Park, IL

PIPE LAYOUT
APPROVAL DRAWING

SCALE: 1"=30'	STATION #
DRAWN BY: MJG	DATE: 02/19/2020
CHECKED BY:	REVISION:
PAPER SIZE: 11 x 17	REVISION:
DO NOT SCALE - USE DIMENSIONS ONLY	
FILE: Lenny's Food N Fuel Tinley Park, IL	



C-STORE
 9,100 SQ.FT.

REFUSE ENCLOSURE
 SHED

PROpane

Master w/DEF
 Master/Satellite w/DEF
 Master/Satellite w/DEF
 Satellite

L FIRE EXT
 L FIRE EXT

3K DEF
 E STOP

E STOP

CONTROL
 E STOP

FIRE EXT

EXT FIRE

20K RUL
 20K PUL
 12K DSL
 10K E85

DSL
 3-1 E85
 3-1 E85
 3-1 E85
 3-1 E85
 3-1 E85
 3-1 E85
 3-1 E85
 3-1 E85
 3-0
 3-0

35'

130'

35'



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Motor Fuel Dispensing Facility Application

Owner - U0039801

Owner Name Lenny's Food N Fuel 183rd Street, LLC
Address 8200 W 185th Street Suite K
 Tinley Park, IL 60487
Contact Person Len McEnery
Phone Number (708) 444-0117

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NOTE: Facilities are not approved for fuel dispensing until a final inspection and approval has been granted after an on-site inspection conducted by the OSFM's Division of Petroleum & Chemical Services (DPCS).

Facility will be operated as: An Attended Self-Service Motor Fuel Dispensing Facility

This Application applies to: A newly constructed motor fuel dispensing facility

Number of Dispensing Devices to be Self-Service: 34

Is collision protection provided in accordance with nfpa 58 for any LP-Gas storage cabinets? Yes

If "Yes" specify: Guardrails Steel or Concrete Bollards Raised Sidewalks Other:

Are any dwelling units or sleeping areas located at this facility? No

Are emergency shutoff switch/s:

Provided at the Control Station for Attended Facilities? Yes

Located so that an emergency switch is located at least 20 ft. and not more than 100 ft. from each dispenser? Yes

Conspicuously marked and easily accessible? Yes

Interconnected so that activation of one emergency shutoff activates all shutoffs? Yes

Are portable fire extinguishers provided as required by regulations? Yes

Are fuel dispensers protected against collision damage? Yes Method: Bollards

Will any buildings on this property or adjacent to this property contain basements located within 20 ft. of underground dispensing storage tanks? No

Are warning and instructional signs posted as required by the rules? Yes

Is a method that does not require coin or currency provided for contacting the fire department? Yes (Required at all except Marina Motor Fuel Dispensing Facilities)

Is a control station located as required by the rules? Yes

Are all dispensing devices readily visible from the control station? No Specify means: CAMERAS

For dispensers > 40 ft. From the control station, is a means provided for the attendant to communicate with persons in the dispensing area? Yes

Submitted Plans

Document Name	Last Update
lenny tinley ss.pdf	10/13/2020 8:12:49 AM

dispensing devices; Location of Control Stations & Emergency Shutoff Switch/s; Fire Extinguisher Locations & Sizes; The Location of any LPG or Flammable/Combustible Liquid Storage Tanks at the Site; LPG cylinder storage cabinets. Insufficient information can be cause for return or denial.

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Name of Applicant: Stephen Kryl

Date: 10/13/2020

Title: Project manager

Representing: Anderson Pump Service



**Office of the Illinois
State Fire Marshal**
"Partnering With the Fire Service to Protect Illinois"

APPROVAL GRANTED FOR ATTENDED SELF-SERVICE MOTOR FUEL DISPENSING FACILITY

10/14/2020

Lenny's Food N Fuel 183rd Street, LLC
8200 W 185th Street Suite K
Tinley Park, IL 60487

In Re: Facility No. 2047018
Lenny's Food N Fuel 183rd Street, LLC
7451 183rd Street
Tinley Park, IL 60487

The application and site plans received on October 13, 2020 are hereby approved. Motor fuel dispensing facilities are regulated by the Office of the Illinois State Fire Marshal in accordance with Title 41 Illinois Administrative Code Part 175 "Storage, Transportation, Sale and Use of Petroleum and Other Regulated Substances" Section 210

This review does not pertain to the installation, upgrade, removal, lining or abandonment-in-place of underground storage tanks at this facility

Approval of this application and site plans by the Office of the Illinois State Fire Marshal does not supersede any local ordinances that pertain to the storage and/or dispensing of flammable/combustible liquids.

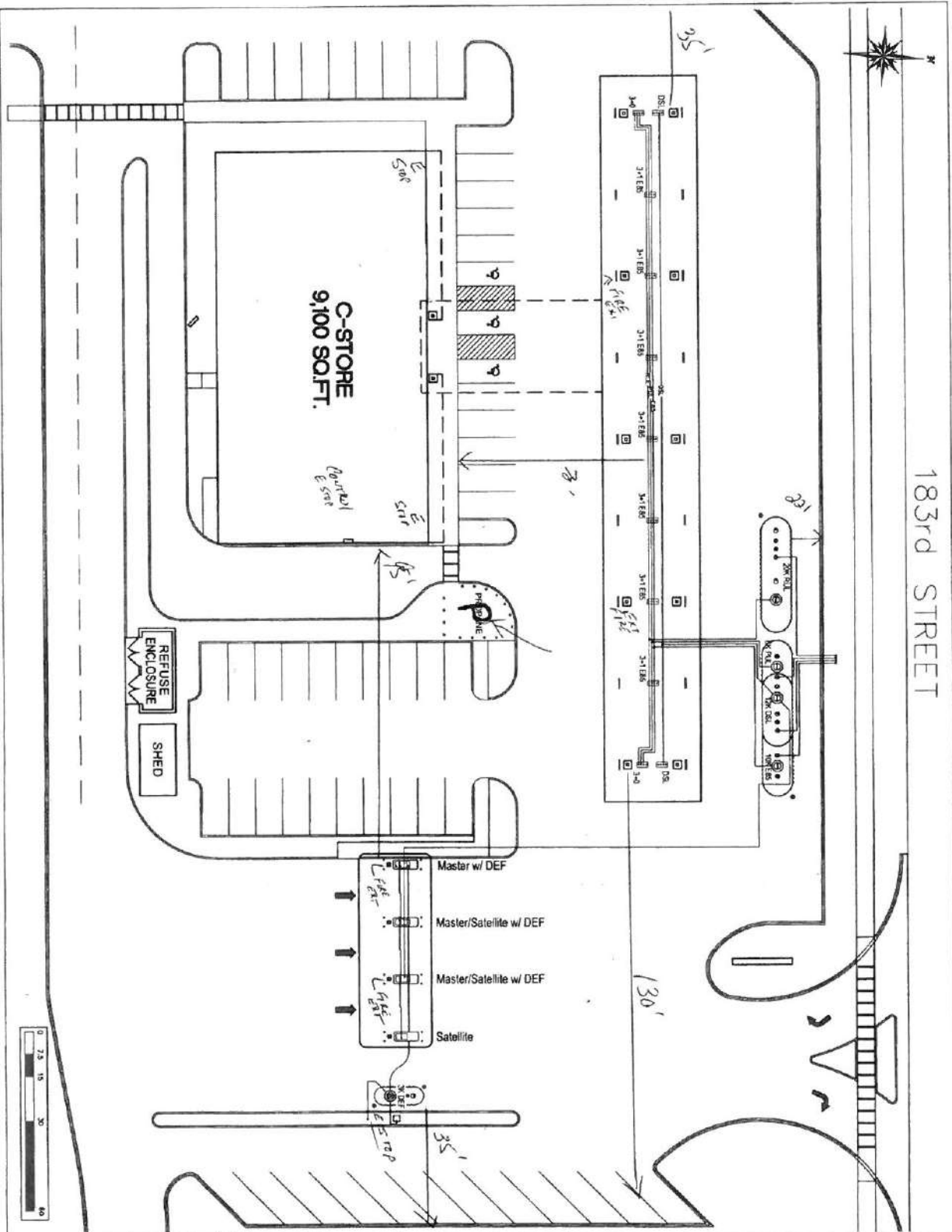
You are required to contact the Division of Petroleum and Chemical Safety at (217)785-1020 when all work has been completed and before any portion of the station is put into operation in order that an on-site inspection can be scheduled. The approval of this motor fuel dispensing facility is effective for a period of six months from the date of this letter. If the proposed work is not done within this time period, the approval will be considered void, and re-application to the Office of the State Fire Marshal is required.

Sincerely,



Daniel Starks
cc: Facility File

183rd STREET



E = E Stop
 P = FIRE extinguisher
 Q = CONTROL STATION
 P = Propane

#	LEGEND
△	NEW DW TO TANKS (20.2-6.10.12.3)
△	OBSERVATION WELL (1p. 4)
△	SPILL KANNEDE WITH OVERFILL PREVENTION
△	DUAL POINT STAGE 1 VAPOR RECOVERY
△	WEDDER FOOT AUTOMATIC TANK GUAGE
△	SUBMERSIBLE PUMP WITH SLUMP AND SENSOR
△	2" SW TO GAST & REMOTE FILL PUMP
△	2" DW TO GAST & REMOTE FILL PUMP
△	1" DW TO GAST & REMOTE FILL PUMP
△	1" DEF-TRAC PUMP
△	STAINLESS STEEL RECOURT TIL. BOX
△	DISP SLUMP w/ SENSOR (1p. 15)
△	BALANCED BLENDER (1p. 2)
△	BALANCED BLENDER + GDS (1p. 7)
△	BALANCED STANDARD DIESEL (1p. 2)
△	BALANCED MASTER w/DEF (1p. 1)
△	BALANCED MASTER/SATELLITE w/DEF (1p. 2)
△	BALANCED SATELLITE (1p. 1)
△	NEW C-STORE BUILDINGS (no basement)
△	NEW GANDYR (2)

General Notes

Comments:
 ALL TANKS AND PUMPS TO BE DOUBLE WALL WITH
 LEAK DETECTION AND MONITORING OR SECONDARY
 CONTAINMENT
 ALL TANK & DISPENSER SLUMPS WILL HAVE
 SHADERS



Lenny's Food N Fuel
 Tinley Park, IL

PIPE LAYOUT
 APPROVAL DRAWING

DATE: 11-28-12	STATION: #
DRAWN BY: MJC	DATE: 11/28/12
CHECKED BY: J.L. T. 12	REVISION: 1
DATE: 11/28/12	BY: J.L. T. 12

FILE: Lenny's Food N Fuel - Tinley Park, IL



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	12/15/2020
Issue Permit	Y N <input checked="" type="radio"/> <input type="radio"/>
Expiration Date	12/31/2022
Notification Form Received	Y N <input type="radio"/> <input checked="" type="radio"/>
NOV Issued	Y N <input type="radio"/> <input checked="" type="radio"/>

LOG OF ATTENDED SELF-SERVICE STATION INSPECTION

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 W 185th Street Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Len McEnery 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

Specify number of dispensers: 15 Distance from emergency shut off to most remote dispenser in feet: 235

SECTION A. EMERGENCY STOP Y N

- Does every dispenser have an emergency stop 20' to 100' away?
- Does every control station have an emergency stop?
- Is each emergency stop plainly marked?
- Is each emergency stop easily accessible?
- Has each emergency stop been tested annually?
- Are all emergency stops interconnected so activation of one activates all?

SECTION B. FIRE EXTINGUISHERS

- Are there 2 fire extinguishers on site meeting minimum rating of 4A:60BC?
- Are fire extinguishers clearly marked?
- Specify location of 2 fire extinguishers Location 1: otsde mntd Location 2: frt door
- Has an annual inspection been performed? Inspection date: November 2020
- Are fire extinguishers accessible to the public and attendants?

SECTION C. SIGNS

- Are code complying signs posted as required (instruction/warning/product labeling)?

SECTION D. DISPENSERS AND HOSES

- Are dispensing units protected against collision by islands, posts or other means?
- Are kerosene dispensers located on separate islands and at least 20' away from other dispensers? N/A
- Does electrical equipment meet requirements of the National Electrical Code?

4. Is there any brush, debris, wood chips or mulch located within 10' of dispensing areas or dispensers?

SECTION E. MISCELLANEOUS

- 1. Does LP gas storage have collision protection or a 40" measurement from cabinet to 5" curb? N/A
- 2. If farthest dispenser is greater than 40' from control station, does site have operational communication system? N/A
- 3. Does attendant have an unobstructed view of all dispensers?
- 4. If view is obstructed, is a closed circuit camera or emergency shutoff switch (within 20' to 50') provided? N/A

Remarks:

12/15/2020

X *Charles Southern*

Signed by: CHARLES SOUTHERN

Exit interview given to _____ Title _____

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	8/15/2022
Issue Permit	Y <input checked="" type="radio"/> N <input type="radio"/>
Expiration Date	12/31/2024
Notification Form Received	Y <input type="radio"/> N <input checked="" type="radio"/>
NOV Issued	Y <input type="radio"/> N <input checked="" type="radio"/>

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 Len McEnery 708-444-0117
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Remarks:

8/15/2022

X *Charles Southern*

Signed by: CHARLES SOUTHERN

Vicki Jackson MNGR
Exit interview given to Title

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	3/13/2024
Issue Permit	Y N <input type="radio"/> <input checked="" type="radio"/>
Expiration Date	
Notification Form Received	Y N <input type="radio"/> <input checked="" type="radio"/>
MFD NOV Issued	Y N <input checked="" type="radio"/> <input type="radio"/>
UST NOV Issued	Y N <input checked="" type="radio"/> <input type="radio"/>

LOG OF ATTENDED SELF-SERVICE STATION INSPECTION

OWNER OF TANKS

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnery 708-444-0117
 Contact Person Phone

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

Specify number of dispensers: 15 Distance from emergency shut off to most remote dispenser in feet: 235

SECTION A. EMERGENCY STOP Y N

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- 1. Are there 2 fire extinguishers on site meeting minimum rating of 4A:60BC?
- 2. Are fire extinguishers clearly marked?
- 3. Specify location of 2 fire extinguishers Location 1: Island Location 2: Island
- 4. Has an annual inspection been performed? Inspection date: October 2023
- 5. Are fire extinguishers accessible to the public and attendants?

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Remarks:

3/13/2024

X *Christopher A. Lehnert*

Signed by: Christopher A Lehnert

Sherry Wilson A/B Operator
 Exit interview given to Title

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703



Underground Storage Tank Motor Fuel Dispensing Permit

Attended Self-Service

Expiration Date: 12/31/2026

Facility Number: 2047018

Name and Address of Owner

Name and Address of Facility

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 185th Street, Suite K
 Street Address
Tinley Park IL 60487
 City State Zip

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County

This permit may be revoked by the State Fire Marshal for failure to comply with OSFM requirements. This permit does not authorize or permit operation in a manner inconsistent with any local statutes, zoning requirements, ordinances, or other local regulations.

This permit must be prominently displayed at the facility.

4/11/2024

X *Christopher A. Lehnert*

Signed by: Christopher A Lehnert

Storage Tank Safety Specialist (Signature)
 Office of the Illinois State Fire Marshal



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	4/11/2024
Issue Permit	Y N <input checked="" type="radio"/> <input type="radio"/>
Expiration Date	12/31/2026
Notification Form Received	Y N <input type="radio"/> <input checked="" type="radio"/>
MFD NOV Issued	Y N <input type="radio"/> <input checked="" type="radio"/>
UST NOV Issued	Y N <input type="radio"/> <input checked="" type="radio"/>

LOG OF ATTENDED SELF-SERVICE STATION INSPECTION

OWNER OF TANKS

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnery 708-444-0117
 Contact Person Phone

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

Specify number of dispensers: 15 Distance from emergency shut off to most remote dispenser in feet: 235

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- 3. Does attendant have an unobstructed view of all dispensers?
- 4. If view is obstructed, is a closed circuit camera or emergency shutoff switch (within 20' to 50') provided? N/A

Remarks:

4/11/2024

X *Christopher A. Lehnert*

Signed by: Christopher A Lehnert

Sherry Wilson A/B Operator
 Exit interview given to Title

Storage Tank Safety Specialist (Signature)



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Notification for Underground Storage Tanks Form - Facility #2047018

Submitted on: 10/8/2020 Approved on: 10/8/2020

Notification Form Type

Tank(s) Installed: 00425-2020INS

Correspondence Contact

Name Stephen Kryl
Company Anderson Pump Service
Job Title Project Manager
Phone Number (708) 243-9081
Email Address steve@andersonpump.com

UST Facility Property Owner - U0039801

Owner Name or Co. Lenny's Food N Fuel 183rd Street, LLC
Owner Type Private
Date Purchased 2/10/2020
Address 8200 W 185th Street Suite K
Tinley Park, IL 60487 USA
Contact Name Len McEnery
Contact Phone Number (708) 444-0117
Contact Email lenmcenery@aol.com

Facility Info - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Parcel PIN 09-01-201-016-0000
Facility Type Commercial / Retail
Address 7451 183rd Street
Tinley Park, IL 60487 Cook County
Contact Name Len McEnery
Contact Phone Number (708) 444-0117

Attachments

Contractor Oath

Certification of Compliance: Installation Inspected and Approved by Implementing Agency
cert of comp lenny.pdf

Authorization to Submit

auth lenny.pdf

Compatibility Form

Tank Number: 4 Capacity: 10,000 Product Substance Stored: E-85
Comptability Checklist: E85 lenny checklist.pdf;
Comptability Supporting Documentation: E85 lenny docs.pdf;

Tank #1

Tank Status Currently in use
Date of Installation 8/7/2020
Tank Capacity 20,000 Gallons
Product in Tank Gasoline - Regular
Product Stored Date

Table with 2 columns: Equipment Type, Equipment. Rows include Tank Material of Construction, Piping Material of Construction, Corrosion Protection - Tank, Corrosion Protection - Piping, Release Detection - Tank, Release Detection - Piping, Overfill Prevention, and Spill Containment.

Tank #2**Tank Status** Currently in use**Date of Installation** 8/7/2020**Tank Capacity** 6,000 Gallons**Product in Tank** Gasoline - Premium**Product Stored Date**

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass, - Fiberglass
Piping Material of Construction	Double Wall - Fiberglass, Flex Connector, STP/Tanktop Sump - Single Wall, Valves - Ball, Valves - Shear
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Non-Corrosive - Fiberglass
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Pressurized Line Leak Detection - Electronic, Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Drop Tube Valve
Spill Containment	Spill Bucket - Double Wall

Tank #3**Tank Status** Currently in use**Date of Installation** 8/7/2020**Tank Capacity** 12,000 Gallons**Product in Tank** Diesel Fuel**Petroleum Use** None**Product Stored Date**

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass, - Fiberglass
Piping Material of Construction	Double Wall - Fiberglass, Flex Connector, STP/Tanktop Sump - Single Wall, Valves - Ball, Valves - Shear
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Non-Corrosive - Fiberglass
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Pressurized Line Leak Detection - Electronic, Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Drop Tube Valve
Spill Containment	Spill Bucket - Double Wall

Tank #4**Tank Status** Currently in use**Date of Installation** 8/7/2020**Tank Capacity** 10,000 Gallons**Product in Tank** E-85**Product Stored Date**

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass
Piping Material of Construction	Double Wall - Fiberglass, Flex Connector, STP/Tanktop Sump - Single Wall, Valves - Ball, Valves - Shear
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Non-Corrosive - Fiberglass
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Pressurized Line Leak Detection - Electronic, Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Drop Tube Valve

Equipment Type	Equipment
Spill Containment	Spill Bucket - Double Wall

Tank #5

Tank Status Currently in use

Date of Installation 8/7/2020

Tank Capacity 3,000 Gallons

Product in Tank Diesel Exhaust Fluid (Non-Regulated)

Product Stored Date

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass, - Fiberglass
Piping Material of Construction	Double Wall - Flexible, STP/Tanktop Sump - Single Wall, Valves - Ball
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Chase - Polyethylene, Non-Corrosive - Flexible
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Alarm
Spill Containment	Spill Bucket - Single Wall



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

JB Pritzker, Governor
Matt Perez, State Fire Marshal

Authorization to Submit Notification of Underground Storage Tank Form

Facility # 2047018
Facility Name Lenny's Food N Fuel 183rd Street, LLC
Facility Address 7451 W. 183rd Street
City Tinley Park State Illinois Zip Code 60477

The undersigned Owner/Operator gives authorization to the below company/individual to submit the Notification for Underground Storage Tank Form on their behalf for the above referenced facility:

Name of Authorized Representative: Hoyt Ary
Title/Position: Project Manager
Company Name: Anderson Pump Service, Inc
Company Address: 19659 S. 97th Avenue, Mokena, IL 60448

SIGNED:

Under penalties for perjury as provided by laws pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct.

Owner/Operator Signature: Leonard McEnery

Owner Operator

Print Full Name of Person Signing: Leonard McEnery

Title/Position (if not sole proprietor): Owner, Managing Member

E-mail Address for Person Signing: lenmcenery@aol.com

Date: October 5, 2020 kfarbak.lennys@aol.com - Assistant



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

JB Pritzker, Governor
Matt Perez, State Fire Marshal

Certification of Compliance / Installation Oath

The undersigned Contractor certifies that they are licensed by the Illinois State Fire Marshal, Division of Petroleum and Chemical Safety to perform new tank installation of regulated underground storage tanks at the following location:

Facility # 2047018
Facility Name Lenny's Food n Fuel 183rd St. LLC
Facility Address 7451 W 183rd Street
City Tinley Park State Illinois Zip Code 60477
Permit# 00425-2020INS Tank ID #'s 1,2,3,4,5

OATH: I certify the information noted above is true to the best of my knowledge, and certify that the installation was performed in accordance with all applicable state and federal laws and regulations.

SIGNED:

Under penalties for perjury as provided by laws pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct.

IL # 16002275
Company Name Anderson Pump Service Inc.
Employee Name Host Arcy
Title/Position Proj. Manager
Signature [Signature]
Date: 10/5/20



State of Illinois
Office of the State Fire Marshal

Checklist for Documenting UST Compatibility

SUBMIT THIS FORM WITH SUPPORTING DOCUMENTATION ATTACHED.

ALL COMPONENTS MUST BE LISTED IN DETAIL, & COMPATIBILITY DOCUMENTATION MUST CLEARLY IDENTIFY THE COMPONENTS.

Facility where equipment is located:

Facility Number: 2047018
 Facility Owner: LENNY'S FOOD N FUEL 183RD STREET LLC
 Facility Name: LENNY'S FOOD N FUEL 183RD STREET LLC
 Street Address: 7451 183RD STREET
 City: TINLEY PARK
 County: WILL

UST Information:

Tank ID Number: 4
 Tank Material: Steel _____
 FRP
 Single Wall _____ Double Wall
 Tank Volume: 18000
 Tank Product: E85

Complete the checklist below, listing compatibility determination, method used and description. **All** answers must be "YES" and supported with a sufficient description or supporting documentation in order for your UST system to demonstrate compatibility with the blended fuel/biofuel product.

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
TANK	NO	<input checked="" type="radio"/> YES		DOUBLE WALL COMPARTMENT TANK CONTAINMENT SOLUTIONS
PIPING (incl. shear valves, flex connectors)	NO	<input checked="" type="radio"/> YES		AMERON DUALOY 3000 LCX
CONTAINMENT SUMPS	NO	<input checked="" type="radio"/> YES		BRAVO TANK SUMP B400 BRAVO DISPENSER SUMP B1000
PUMPS (STPs/Suction; Dispensers, hoses, nozzles)	NO	<input checked="" type="radio"/> YES		FE PETRO GILBARCO DISPENSERS 3+1

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
RELEASE DETECTION EQUIPMENT	NO	<u>YES</u>		VEEDER ROOT TCS350 plus WITH PROBE, NON DISCRIMINATING SENSORS AND PULD
SPILL PREVENTION EQUIPMENT	NO	<u>YES</u>		FRANKLIN FUELING Double Wall
OVERFILL PREVENTION EQUIPMENT	NO	<u>YES</u>		OPW 7150M Drop tube
GASKETS & SEALS (installs after 10/13/18)	NO	<u>YES</u>		FRANKLIN FUELING Flex Connectors
JOINT DOPES & ADHESIVES (installs after 10/13/18)	NO	<u>YES</u>		GASOLKA E SEAL

Methods:

- A. Certification or listing of UST system equipment or components by a nationally recognized, independent testing laboratory for use with the regulated substance stored.
- B. Equipment or manufacturer approval. The manufacturer's approval must be in writing, indicate an affirmative statement of compatibility, specify the range of biofuel blends the component is compatible with, and be from the equipment or component manufacturer

Note: Owners and operators may find American Petroleum Institute's Recommended Practice 1626, *Storing and Handling Ethanol and Gasoline-Ethanol Blends at Distribution Terminals and Filling Stations*, useful in complying with the compatibility requirements.

In order to be in compliance with the 2015 federal UST regulation compatibility requirements for storing biofuels, you must keep documentation of compatibility of the UST system components listed on this page as long as you store the fuel.

For your records, you should update this checklist each time you repair or replace components of your UST system to ensure you have all the required compatibility documentation while storing biofuels.

Checklist Completed By: print name: STEPHEN M. KYL

date completed: 3-13-20

signature: *Stephen M. Kyl*

position/title: PROJECT MANAGER

Magnetostrictive Probes for Alternative Fluids

Certified performance for inventory control and in-tank leak detection in fuel blends up to 100% alcohol

Veeder-Root offers two types of Magnetostrictive Probes for Alternative Fluids to provide highly accurate, trouble-free in-tank leak detection and inventory control in fluids of up to 100% alcohol. The Magnetostrictive Probe for Alternative Fluids with water detection is ideal for fuel blends with less than 20% alcohol. The Magnetostrictive Probe for Alternative Fluids without water detection has been developed for fluids up to 100% alcohol.

Series 8463 0.1 GPH Mag Probe for Alternative Fluids

The 0.1 GPH Mag Probe for Alternative Fluids has been third-party tested and certified to perform far better than the U.S. E.P.A. standards for both 0.1 GPH volumetric tank tightness testing and 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

0.1 GPH Mag Probe and CSLD — Leak detection without shutting down your tanks!

CSLD, Continuous Statistical Leak Detection, is an advanced tank testing technology that makes full use of the TLS-300 and TLS-350(R)'s in-tank monitoring capabilities. CSLD eliminates the need for tank shutdown to perform a leak test — no lost business, no lost operating time!

The TLS-300 and TLS-350(R) equipped with CSLD use the 0.1 GPH Mag Probe to continuously monitor fuel height and temperature information to detect idle times in the tank. During each idle time, data collected forms a highly accurate leak detection database. Sophisticated statistical analysis techniques in CSLD constantly evaluate the database to discard invalid data and perform leak tests based on only high-quality information in the current database. In fact, a new leak test is performed every time new data from an idle period is added.

Series 8463 0.2 GPH Mag Probe for Alternative Fluids

The 0.2 GPH Mag Probe for Alternative Fluids provides the same reliable inventory control features and fluid compatibility as the 0.1 GPH Mag Probe for Alternative Fluids, but offers 0.2 GPH leak detection at a lower cost.

The 0.2 GPH Mag Probe for Alternative Fluids has also been third-party tested and certified to exceed U.S. E.P.A. standards for 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

Approved for Aboveground Tank Applications

Veeder-Root Magnetostrictive Probes are approved for use in aboveground storage tanks to monitor fuel inventory. An AST installation Kit (Form Number 312020-984) is required for these applications and is available from Veeder-Root, Customer Service 800-873-3313 or your authorized Veeder-Root distributor.

Features & Benefits

- Non-corrosive, stainless steel tubing for long-life monitoring in fuels up to 100% alcohol
- Highly accurate Magnetostrictive measurement technology
- Fast accurate leak tests
- 0.1 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.1 GPH Volumetric Tank Tightness Testing
- 0.1 GPH Mag Probe for Alternative Fluids is compatible with TLS-300 and TLS-350R with CSLD for continuous statistical leak detection
- 0.2 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.2 GPH Automatic Tank Gauging
- 2", 3" and 4" Float Kits available

Magnetostrictive Probes for Alternative Fluids are available in 0.1 GPH and 0.2 GPH Versions



Electronic Line Leak Detectors

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TOKHEIM	585-13 (1/3 HP)	YES	NO
	585-34 (3/4 HP)	YES	NO
	585-150 (1-1/2 HP)	YES	NO
BENNETT	ALL	YES	NO
4-INCH VARIABLE SPEED MODELS		DPLLD/PLLD	WPLLD
RED JACKET	STD and AG with CPT (2 HP) ^{1,2}	YES	NO
	QUANTUM P200U202Y QS1 - QS3 CPT (2 HP)	YES	NO
	QUANTUM AGP200T202Y QS1 - QS3 CPT (2 HP)	YES	NO
	THE RED JACKET P200U20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET AGP200T20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET VSFC ¹	YES	NO
FE PETRO	IST (2 HP) ¹	YES	NO
	STP VS2, STPAG VS2 (2 HP)	YES	NO
	STPRVS4, ISTVS4 AG	YES	NO
	STPMRVS4, ISTMVS4 AG	YES	NO
6-INCH HIGH CAPACITY MODELS		DPLLD/PLLD	WPLLD
RED JACKET - MAXXUM	MAXXUM MXP300 (3 HP)	YES ³	NO
	MAXXUM MXP500 (5 HP)	YES ³	NO
RED JACKET - BIG-FLO	P100H1 - 1MB (1 HP)	YES ⁴	NO
	P150H1 - 1HB (1-1/2 HP)	NO	NO
	P200H1 - 2MB (2 HP)	YES ⁴	NO
	P200H3 - 2MB (2 HP)	YES ⁴	NO
	P300H3 - 2HB (3 HP)	YES ⁴	NO
	P500H3 - 2K (5 HP)	YES ⁴	NO
FE PETRO	STP3, STPAG3 (3 HP)	YES ^{4,6}	NO
	STP5, STPAG5 (5 HP)	YES ^{4,6}	NO
	STP5H (5HP)	YES ^{4,6}	NO
APPLICATIONS		DPLLD/PLLD	WPLLD
SIPHON/MANIFOLDED TANKS		YES	YES
MANIFOLDED LINES		YES	YES
ELECTRONIC BLENDERS		YES	YES
MECHANICAL BLENDERS		YES ⁵	NO

¹See Site Preparation and Installation manual for supported settings.

²Requires TLS-350 Version X19 or later software and CPT Transducer Adaptor Kit (Red Jacket P/N 144-326-5).

³USER DEFINED pipe type must be used for precision (0.2 and 0.1 gph) testing.

⁴3.0 gph only testing.

⁵Requires TLS-350 Version 29C or later software (PLLD).

⁶Requires Model 'R' Relief Valve.

Line Volume Limits

Console Type	Transducer Type	Piping Type	3.0 GPH Certified Volume (Gal.)	0.2 GPH Certified Volume (Gal.)	0.1 GPH Certified Volume (Gal.)
SERIES 860091-X01 TLS-450PLUS CONSOLES W/SOFTWARE VERSION 7E OR HIGHER	Series 8590-DPLLD	Rigid	1178.6	1178.6	165.08
		Flexible	1178.6	1178.6	109.84
		Hybrid (Flex & Rigid)	1178.6	1178.6	267.8
SERIES 860090-100 TLS-450 CONSOLES		Rigid	425.84	165.08	165.08
		Flexible	109.84	109.84	109.84
		Hybrid (Flex & Rigid)	535.68	267.8	267.8
SERIES 8482 TLS-350, -350PC, -350R, -350RPC, -350PLUS W/ SOFTWARE VERSION X19 OR HIGHER	Series 8484-PLLD	Rigid	212	119.4	119.4
		Flexible	212	119.4	119.4
		Hybrid (Flex & Rigid)	212	119.4	119.4

Veeder-Root Line Leak Application Guide

PIPE TYPE	TLS-4XX w/ DPLLD ^{6,7} (Length Feet)	TLS-360 w/ PLLD ¹ (Length Feet)	TLS-350 w/ WPLLD ² (Length Feet)	BULK MODULUS ³ (PSI)	VOLUME (Gallons/Foot)
FLEXIBLE PIPE - NUPI (Continued)					
TSMAD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	18900	0.092
2 INCH	30-3000	30-650	No	12500	0.163
3 INCH	30-3000	30-300	No	28200	0.367
TSMAXPD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	15500	0.092
2 INCH	30-3000	30-650	No	9200	0.163
3 INCH	30-3000	30-300	No	27800	0.367
FLEXIBLE PIPE - PETROTECHNIK					
PETROTECHNIK UPP EXTRA (63 mm)	20-3000	20-650	No	11,500	0.163
FLEXIBLE PIPE - TOTAL CONTAINMENT					
ENVIROFLEX RETRACTABLE PIPE					
PP1500 (1.5 INCH)	10-3000	10-1100	10-500	2400	0.092
PP1501 (1.5 INCH)	10-3000	10-1100	10-500	3500	0.092
PP1502 (1.5 INCH)	10-3000	10-1100	No	7300	0.092
PP1503 (1.5 INCH)	10-3000	10-1100	No	2500	0.092
PP2500 AND PP2501 (2.5 INCH)	No	No	No	—	—
PP2502 (2.5 INCH)	10-3000	10-430	No	8700	0.255
PP2503 (2.5 INCH)	10-3000	10-430	No	3100	0.255
OMNIFLEX COAXIAL PIPE					
CP1501 (1.5 INCH)	10-3000	10-1100	10-500	13,000	0.092
CP1503 (1.5 INCH)	10-3000	10-1100	No	4500	0.092
CP2503 (2.5 INCH)	10-3000	20-430	No	3900	0.255
FLEXIBLE PIPE - DOUBLE TRAC (OMEGA FLEX)					
UGF-FSP-16 (1.0 INCH)	30-500	30-500	No	31,000	0.058
UGF-FSP-24 (1.5 INCH)	30-3000	30-1100	No	31,000	0.116
UGF-FSP-32 (2.0 INCH)	30-3000	30-650	No	31,000	0.204

¹Mixed Piping Types with PLLD: Using TLS-350 software Version 23 or later, PLLD is certified for 3 gph-only testing for line volumes up to 212 gallons; and for 0.2/0.1 gph testing for line volumes up to 110 gallons. To determine the line volume for mixed piping types, multiply the line length (in feet) times the 'gallons/foot' value for each pipe type and add the results. For example, site has 150 feet of 2" fiberglass and 50 feet of 3" fiberglass pipe:

$$\text{Total line volume} = [150 \times 0.204] + [50 \times 0.461] = 30.6 + 23.1 = 53.7 \text{ gallons}$$

²The 0.2 and 0.1 gph line leak tests cannot be run on flex piping with WPLLD.

³Bulk Modulus entry is only applicable to TLS-350 consoles w/software Version 23 or later and all TLS-450 Series consoles. Refer to TLS-350 System Setup manual (P/N 576013-623) or TLS-450 Setup Manual (P/N 576013-940) for programming instructions.

⁴Geoflex piping produced prior to 2001 has a lower bulk modulus than the current product. For this piping (pre-2001) use the values in (.). For 2001 piping and later, you must set the correct Bulk Modulus in the "User Defined" menu.

⁵Western Fiberglass COFLEX piping produced prior to 2005 has a different bulk modulus than the current product. For piping produced prior to 2005, use the values in (.).

⁶Line lengths shown represent DPLLD approved lengths for 3 gph and 0.2 gph testing. 3.0 gph and 0.2 gph testing for DPLLD with software version 7E or higher is certified for line volumes up to 1178.6 gallons (not to exceed 3000 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

⁷0.1 gph testing is certified for line volumes up to 535.6 gallons (not to exceed 1100 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

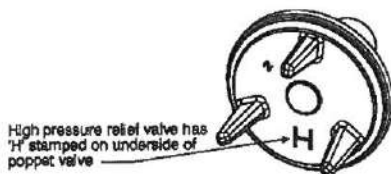
Check Valve Requirements

DPLLD, PLLD and WPLLD require certain check valves or Pressurstat assemblies to be installed on the pump. Use of non-compatible check valves can result in loss of leak detection performance.

Supported Pumps	Check/Relief Valve Type	3.0 GPH Only Testing (Req'd. Kit)	3.0, 0.2, 0.1 GPH Testing (Req'd. Kit)	Additional Req'd. Parts for Manifoldded Lines (Single Tank w/ 2 STPs, or 2 or More Tanks w/ STP in Each)
DPLLD/PLLD Applications				
The Red Jacket	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Check Valve for Each Slave Pump P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Quantum SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 388-081-5 (Field Installed Only)
	Red Jacket SpikeCheck Valve (Field Only Installed) P/N 388-080-5	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	
	Red Jacket Pressurstat Assembly.	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
Standard (All Models)	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Functional Element Assembly	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	
	Red Jacket SpikeCheck Valve (Field Installed Only) P/N 410557-001	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Standard SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 410557-002 (Field Installed Only)
Maxxum	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	See Note 4 below.
Big-Flo	Pressurstat Kit P/N 144-314-5		(See Note 3 below)	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 4 below)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)
	FE Petro Model R Relief Valve P/N 401330902			
Tokheim & Bennett	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
WPLLD Applications				
The Red Jacket	None Required	849490-006	849490-006	High Pressure Check Valve for Each Slave Pump, P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	849490-005 (Except CPT)	849490-005 (Except CPT)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Pressurstat Assembly	849490-005 (Except CPT)	— Not supported —	
Standard (All Models)	SwiftCheck	849490-002 (Except CPT)	849490-002 (Except CPT)	
	Red Jacket Functional Element Assembly	849490-003 (Except CPT)	— Not supported —	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 5 below)	849490-001	849490-001	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)

NOTES:

1. The Veeder-Root High Pressure Check Valve (P/N 410153-002) is shown below:



- For Red Jacket Quantum pumps, the SpikeCheck is the preferred check valve type.
- 0.2/0.1 gph testing is supported for the Maxxum pump, but you must select 'User Defined' as the pipe type during DPLLD or PLLD setup.
- If maximum pump pressure is NOT a minimum of 5 psi below the pressurstat relief setting, then a check valve must be installed in the discharge line of the slave pump (see "Manifoldded Line Applications" on page 12).
- Veeder-Root does not warrant the performance of FE Petro's Model 'R' check valve or 65 psi relief check valve.

TLS-350 Consoles - PLLD

Hardware Required for PLLD Leak Detection

PRESSURIZED LINE LEAK DETECTOR (PLLD)

Order one per line.

MODEL NO.	ITEM
848480-003	PRESSURIZED LINE LEAK DETECTOR WITH SWIFTCHECK VALVE
848480-001	PRESSURIZED LINE LEAK DETECTOR WITHOUT SWIFTCHECK VALVE

PLLD MODULES

•TLS-350/TLS-350 Plus/TLS-350R Consoles - Leak Detection for up to 6 Lines

One Pressurized Line Leak Detector Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-001	SIX INPUT PRESSURIZED LINE LEAK INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

•TLS-350J Consoles - Leak Detection for up to 4 Lines

One 'J' PLLD Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-002	'J' PLLD INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

PLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350/TLS-350J/ TLS-350PLUS/TLS-350R WITHOUT BIR	TLS-350R WITH BIR
	(SEM P/N)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM is not required for 3 GPH-only testing.

PLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

TLS-350 Consoles - WPLLD

Hardware Required for Wireless Pressurized Line Leak Detection (WPLLD)

WIRELESS PRESSURIZED LINE LEAK DETECTOR (WPLLD)

Order one per line.

MODEL NO.	ITEM
849490-001	WPLLD KIT - FOR FE PETRO PUMPS ¹
849490-002	WPLLD KIT WITH SWIFTCHECK VALVE - FOR RED JACKET PUMPS (EXCLUDING QUANTUM) ²
849490-003	WPLLD KIT - 3 GPH ON RED JACKET PUMPS (EXCLUDING QUANTUM) ³
849490-004	WPLLD KIT W/O SWIFTCHECK VALVE FOR RED JACKET PUMPS (EXCLUDING QUANTUM)
849490-005	WPLLD KIT - FOR RED JACKET QUANTUM PUMPS ⁴
849490-006	WPLLD KIT - FOR THE RED JACKET PUMP

¹Contains Line Leak Sensor, and installation kit for FE Petro pumps. Requires FE Petro Model R Check Valve, P/N 400988932.

²Contains Line Leak Sensor, SwiftCheck valve, and installation kit for Red Jacket pumps.

³Supports 3 GPH testing only. Contains Line Leak Sensor, and installation kit for Red Jacket pumps. Requires Red Jacket's Functional Element Assembly models 323-001-5 or 323-002-5. Does not support precision (0.2 GPH or 0.1 GPH) line testing.

⁴Contains Line Leak Sensor and installation kit for Red Jacket Quantum pumps. Requires purchase of SpikeCheck valve, P/N 388-080-5, from Red Jacket.

WPLLD MODULES

One of each module from the table below is required. Order additional WPLLD Controller modules (P/N 330841-001) as required - each Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330874-001	WPLLD AC INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330883-001	COMMUNICATIONS MODULE (MAXIMUM 1 PER CONSOLE)
330841-001	WPLLD CONTROLLER MODULE (MAXIMUM 3 PER CONSOLE*)

*Maximum of 2 WPLLD Controller module per TLS-350J console

WPLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350 / TLS-350J / TLS-350PLUS /	TLS-350R (WITH BIR)
	TLS-350R (W/O BIR)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM not required for 3 gph testing.

WPLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

Special Installations

Manifolded Line Applications

DPLLD, PLLD and WPLLD leak detection systems can handle product lines supplied by multiple tanks and pumps, to a maximum of 8 tanks and pumps per product line.

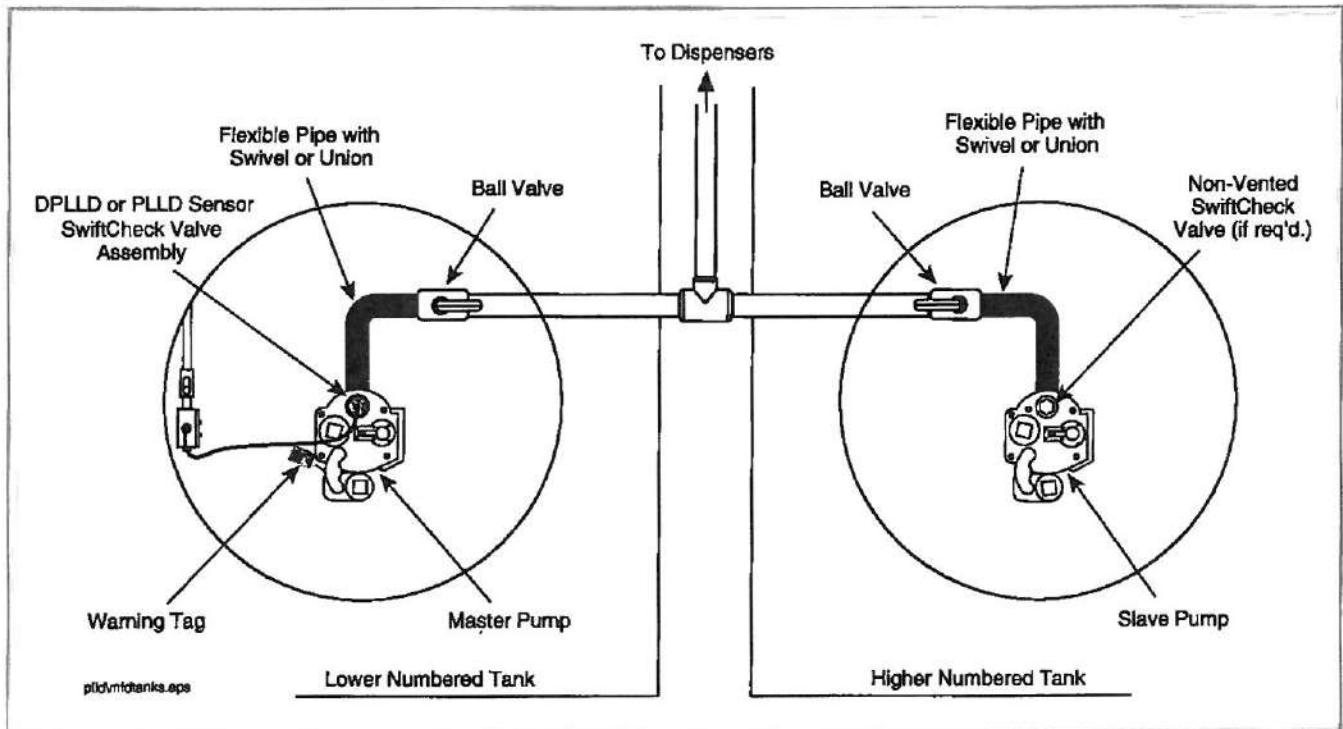
Standard line leak sensing and check valve equipment should be installed at the primary pump.

To perform 0.2 and 0.1 gph tests, a non-vented SwiftCheck valve (P/N 330020-416), or new Red Jacket 65 psi relief valve (P/N 410153-002), or SpikeCheck Valve Non-PSI Relief Valve for Standard Pump (P/N 410557-002), or FE Petro 65 psi Relief Check Valve (FE P/N 402459931) should be installed on each of the other pumps supporting the manifolded product line. The Non-Vented SwiftCheck Valve is rated to a maximum 70 gpm.

NOTICE For 5 HP Maxxum pumps in diesel, an additional in-line check valve with no pressure relief should be installed on the 'Slave' pump to prevent backflow.

A relay on a Four-Relay module or I/O Combination module (TLS-350 Series) or I/O Module (TLS-450 Series) must be available to control each secondary pump. The standard line leak modules will provide pump control output for the primary pump and the "Pump In" signal for the set.

A typical manifolded line installation for DPLLD and PLLD is shown below:



Transducer Installation - Red Jacket CPT and Quantum CPT Pumps

This installation procedure is to be used with Red Jacket CPT and Quantum CPT Pumps.

1. Install the Red Jacket CPT Transducer Adapter Kit (Red Jacket part number 144-326-5) following the instructions with the kit. Thread the PLLD transducer in the mechanical LLD port of the pump.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

The figure below illustrates two DPLLD and PLLD transducer installations in Red Jacket CPT pumps - consult "Check Valve Requirements" on page 6, to determine what check valve you will need to install to perform your intended level of testing.

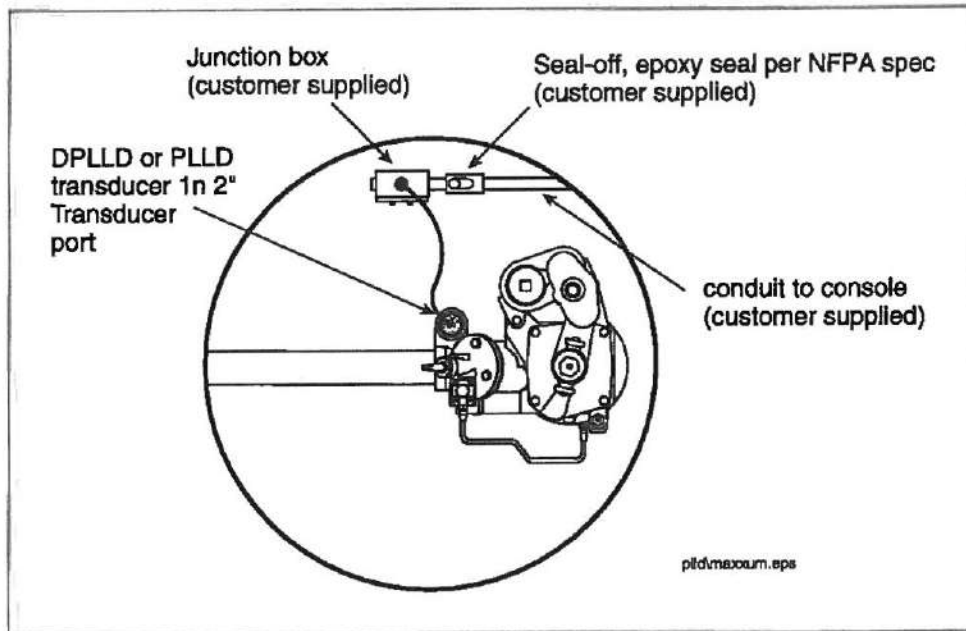
2. Verify that the TLS-350 Series Console has Version x19 or later (TLS-450 Series Console has Version 1 or later) software.
3. Verify that the CPT Controller has Version 1.02 or later software installed.

MAXXUM PUMPS

1. Thread the DPLLD or PLLD transducer into the 2-inch opening of the transducer port.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

2. If any in-line check valves or a Big-Flo Diaphragm Valve are installed in the line, they must be removed.
3. Verify that the TLS 350 Series Console has Version x19 or later software (TLS-450 Series Consoles Version 1 or later software).



FE PETRO HIGH CAPACITY PUMPS

1. Install a reducing tee (customer supplied) in either of the 3-inch discharge ports of the pump with the 2-inch port facing up.
2. Thread the D/PLLD transducer into the 2-inch port on the tee fitting.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

3. Install a model "R" relief valve into the pump if one is not already present.

Frequently Asked Questions:

Gilbarco Veeder-Root Encore[®] Flexible Fuel Dispenser (E85 Ethanol MPD's and Blenders)

Which models of Gilbarco Veeder-Root dispensers are now Underwriter's Laboratory approved under UL 87A for use with E85 ethanol fuel?

The Encore models now UL LISTED for use with E85 fuel are listed below with the Flexible Fuel option included. All Encore MPD units manufactured after **June 24, 2010** and Blender units manufactured after July 30, 2010 with the Flexible Fuel option will have the UL mark displayed on the serial plate label.

Model Description

MPD 1-Grade Dispenser (Encore S & E300)
MPD 2-Grade Dispenser (Encore S & E300)
MPD 3-Grade Dispenser (Encore S & E300)
MPD 4-Grade Dispenser (Encore S only)
Single Hose +1 MPD (only +1 on the Encore S)
Blender Dispenser 2+1 (blended grades on the Encore S)
Blender Dispenser 2+1 (only +1 on the Encore S & E300)
Blender Dispenser 3+0 (blended grades on the Encore S)
Blender Dispenser 3+1 (blended grades on the Encore S)
Blender Dispenser 3+1 (only +1 on the Encore S & E300)
Blender Dispenser 4+0 (blended grades on the Encore S)
Blender Dispenser 4+1 (blended grades on the Encore S)
Blender Dispenser 4+1 (only +1 on the Encore S & E300)
Blender Dispenser 5+0 (blended grades on the Encore S)
Multi-Hose +1 Blender Dispenser (only +1 on the Encore S)

Note: With the addition of the Flexible Fuel option these models are also approved for use with E25.

What is the benefit associated with the UL Listing on Encore blender dispensers?

In some areas of the country fuel marketers are already familiar with using blender dispensers to deliver blended ethanol fuel. By doing so, they're not only bringing a new fuel to the market, they are also able to become a "blender of record". In most cases, the "blender of record" status qualifies them to claim the Federal Tax Credit of .51 cents per gallon of ethanol dispensed. Check with you local tax authority to see how you could take advantage of this opportunity.

What hanging hardware is LISTED for use with E85 fuel?

Information on the required LISTED hanging hardware is outlined below. This data has been updated with the corrected manufacturer's part number and corresponding Gilbarco numbers. You will also be able to find this outlined in the Encore Owner's, Installation, and Service manuals. All Gilbarco Veeder-



be properly evaluated in the field for the following reasons:

1. UL would be unable to certify that the internal gaskets / seals used in the meter and for all of the connections are of the specific type specified in the E85 UL file, and
2. the product falls outside the scope of expertise of the Field Evaluation Services group at UL.

How do I obtain approval from the local authorities having jurisdiction to continue using my E85 Flexible Fuel dispenser without the UL label?

Currently, UL will not allow the UL Mark to be retrofitted onto an E85 dispenser. As discussed previously, this is due to the uncertainty of internal components that may have been changed since the unit was put into service. Therefore, a customer that requires evidence that the unit was originally built with E85 compatible components may contact Gilbarco Veeder-Root Encore Marketing for this documentation.

Are the newly UL LISTED E85 Flexible Fuel dispenser models also approved by the National Conference of Weights and Measures?

Yes, Gilbarco Flexible Fuel models are approved by the National Conference of Weights and Measures. The certificate # is 02-019A16.

Does Gilbarco have retrofit kits available and approved for upgrading standard dispensers to E85?

Gilbarco has submitted retrofit kits to Underwriter's Laboratory for evaluation.

What is Gilbarco Veeder-Root's Warranty on the E85 Flexible Fuel dispenser?

The Gilbarco Veeder-Root standard 2 year dispenser warranty coverage will apply to E85 Flexible Fuel dispensers as shown in the table below.

Gilbarco Veeder-Root Warranty Coverage by Fuel Type

Products	Up to E15	E25	E85
Encore S	All Models	Flexible Fuel models*	Flexible Fuel models*
Encore 300	All Models	Flexible Fuel models*	Flexible Fuel models*
Legacy®	All Models	none	none
Gasboy®	All Models	none	none

* Specific Flexible Fuel models can be found in the GPL-1500 pricebook on page 9 and in the latest Encore Product Brochure

Final Note: See Gilbarco Veeder-Root document, SP-3410 for more information regarding the blend wall and EPA's possible move to approve E15 as a standard motor fuel in the US and its use with standard Gilbarco dispensing equipment.

[Home](#) → [Products](#) → [Pipe Thread Sealants](#) → [Gasoil® E-Seal Thread Sealant](#)



Gasoil® E-Seal Thread Sealant

Non-hardening, non-toxic, opaque, dark green paste designed specifically for ethanol blended gasoline including E10 and E85 (for 100% ethanol or 100% methanol applications - use Gasoil 100).

Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, fuel lines and couplings.

For use on brass, copper, stainless steel, aluminum, black pipe, tin and galvanized pipe.

Excellent resistance to gasoline, ethanol blended gasoline such as E10 and E85, petroleum solvents, kerosene diesel oil, BioDiesel propane, jet fuels, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam and potable water.

NOT for use on oxygen.

Temperature Range: -100°F to 600°F (-74°C to 318°C).

Pressure Range: Up to 10,000 psi when sealing liquids and up to 3,000 psi with gases.

One year shelf life.

Distributors

GASOILA
CHEMICALS



Translated Information for Download



Related < >



Fast Anal Seal



Gasoil Thread PTFE



Gasoil Thread PTFE

[Additional Info](#)

[Data Sheets](#)

FPC Stock Code	Container Size	Units per Case
GE04	1/4 pt. Brush	24
GE08	1/2 pt. Brush	24
GE16	1 pt. Brush	12



FIBERGLASS-COMPOSITE PIPE GROUP

Group Headquarters
9720 Cypresswood Drive, Suite 325
Houston, Texas 77070
Telephone: 832.912.8282
Fax: 832.912.9393

August 30, 2011

Subject: Bio-Fuel Compatibility

To Whom It May Concern:

Ameron Dualoy[®] 3000/L and 3000/LCX fiberglass piping systems (pipe, fittings and adhesive) are compatible with all concentrations of ethanol and ethanol blended fuels, from 0% to 100% ethanol content in gasoline.

The Dualoy product lines are also compatible with all concentrations of methanol blended fuels and all concentrations of bio-diesel.

Ameron Dualoy products are the only fully Listed systems for all applications, fuels and product types by Underwriters Laboratories Standard 971-2004.

Dualoy products were the first Listed by UL for full alcohol compatibility in 1988. Prior to that date, UL did not offer a Listing for alcohol blended fuels, although legacy Dualoy products prior to the Listing were compatible with ethanol and all concentrations of ethanol blended fuels.

For questions or other information needs, please contact Joie L. Folkers – Vice President Sales & Marketing at the above address or phone number or at jfolkers@ameron.com.

Respectfully submitted,

A handwritten signature in blue ink that reads 'Joie L. Folkers'.

Joie L. Folkers
Vice President Sales & Marketing
Ameron International
Fiberglass-Composite Pipe Division-USA

JLF/vo





S. Bravo Systems, Inc.
2929 Vall Avenue
Commerce, CA 90040
1-800-AT-BRAVO
www.sbravo.com

Wednesday - August 25 - 2010

R3 10.21.13

RE: Bravo Fiberglass Sumps and Alternative fuels

This letter is to certify the compatibility of Bravo (S. Bravo Systems, Inc.) Single and Double Wall Fiberglass Containment Sumps with Alternative Fuels such as Biodiesel and Ethanol blended fuels. It also addresses compatibility with DEF Diesel Exhaust Fluid.

Bravo Fiberglass products are engineered with the same UL Listed materials used in the manufacture and certification of Fiberglass Tanks, matching the UL Standard 1316. Since our Fiberglass containment sumps are Built like a Tank, they can withstand continuous fuel exposure to Biodiesel, Ethanol and Alcohol blends without failure.

All DoubleWall Containment Sumps are engineered to be fully compliant with the California State Water Resource Control Board Assembly Bill AB-2481 for DoubleWall Sumps and Continuous Monitoring Systems.

The following Single and Double Wall Containment Sumps manufactured by Bravo Systems in Commerce, California are compatible with Biodiesel and Ethanol fuel blends up to B100 and E100, respectively.

- > B3XX Series Spill Buckets
- > B4XX Series Tank Sumps & Covers
- > B5XX Series Planter Transition Sumps
- > B6XX Series Walkover Transition Sumps
- > B7XX Series H-20 Rated Transition Sumps
- > B8XX Series Transition Sumps
- > B1XXX Series UDC Sumps
- > B7XXX Series UDC Sumps
- > B8XXX Series UDC Sumps
- > B9XXX Series UDC Sumps

Bravo Systems also certifies that these products are compatible with and approved for use in secondary containing DEF Diesel Exhaust Fluid.

Each respective Series may be UL Listed in addition to being manufactured of UL recognized materials approved for use in the manufacture of Fiberglass UST tanks. Any other relevant documentation will be located in the documents area of each product's respective webpage.

Please feel free to contact us with any questions you may have at 800-AT-BRAVO.

Additionally, you may find further information at www.sbravo.com.

Sincerely,

Jonathan E. Smith
Director of Brand Management
S. Bravo Systems, Inc.





Engineering Report

Underground Tank Alcohol Compatibility

William A. Schneider
9/25/03

All Containment Solutions Inc. (CSI) single and double wall fuel tanks manufactured since the inception of CSI on 1/1/1995 are listed by Underwriters Laboratories Inc. under UL Standard 1316 (*Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*) for the storage of "Petroleum Products, Alcohols and Alcohol-Gasoline Mixtures" under UL file MH7991..

The listing includes gasoline, gasoline-ethanol blends at any level of ethanol, gasoline-methanol blends at any level of methanol, 100% ethanol, and 100% methanol.

On 1/1/95, CSI purchased the assets of Owens Corning (OC) who previously developed and then manufactured fiberglass reinforced plastic underground storage tanks for fuel storage starting in the mid 60's. Documents produced by OC concerning the alcohol compatibility of their tanks are available from Owens Corning.



FIREFLEX FLEXIBLE CONNECTORS

Since their introduction in 1995, FLEX-ING™ FIREFLEX Flexible Connectors have quickly become the industry standard and benchmark for quality as a means to easily connect pipework system to other systems components such as submersible pumps or shear valves. The benefit of their use is undeniable. They have quickly become an integral part of any installation. Installers love their ease of installation while station owners have come to depend on their durability and how easy they make regular maintenance. With tons of available options, Franklin Fueling Systems has the right connector to fit any application.

Highlights

Flexibility is Key

When it comes to Flexible Connectors, flexibility is key. The tight working conditions found in dispenser and tank sumps provide little room for installers to work, motivating some manufacturers of flexible connectors to sacrifice overall strength for flexibility. With FLEX-ING™ FIREFLEX Flexible Connectors, there's no need to compromise. Their corrugated fuel contact layers feature a 25% thicker metal construction and gain flexibility from having more corrugations per foot rather than thinner walls.

Quality Construction

Enclosing the corrugated fuel contact layer is a stainless steel braid that is manufactured from only high-grade stainless steel. The precision braiding process used to manufacture the braid gives strength while still maintaining flexibility. These layers are tied together with a hand-welded coupler ring, and are factory pressure-tested for zero leaks.

Ready for Anything

FLEX-ING™ FIREFLEX Flexible Connectors are available in a multitude of end connections to ensure the right fit for any application - including tees, elbows and FRP transitions. Standard male and female end connections with integrated hex-head surfaces provide easy installation and tightening. The male swivel end connection option allows for the ultimate in ease of installation. The male swivel end connection option features a three-gasket, x-ring seal design. This adds up to a total of six seals, eliminating potential leak paths.

EZ Fit Flexible Connectors

The EZ FIT union style coupling system is specifically designed to make connections in confined spaces simple and tight. The entire flexible connector assembly can be quickly and easily disconnected and pulled out of the inline system without breaking pipe. This feature makes installation fast and regular maintenance simple to carry out. Each EZ FIT union style coupling comes complete with couplers and gaskets..

Specifications

- USA NFPA 30-A fire rated
- All metal construction means one flexible connector for both above and below ground applications
- An 18-8 alloy outer shell, 321 Stainless Steel inner core provides a long service life
- Thick, schedule 80 hex end fittings protect against deformation of the ends
- 100% pressure tested to assure quality
- UL 2039 listed for 50psi working pressure
- EZ FIT clamp and gasket are included with each assembly

Certifications

- UL 2039 listed for above and below ground installation; for use with gasoline, gas alcohol blends (up to E85), diesel and biodiesel.





THE DEFENDER SERIES® SPILL CONTAINMENT

The field-proven Defender Series® has gone toe-to-toe with the worst conditions the world's forecourts could throw at it and came out with a reputation for dependability and versatility. So how could you possibly improve upon the most dependable spill containment series on the market? For starters, we've integrated it into our rugged multiport platform and outfitted it for complete biofuel compatibility. The best defense just got better.

Highlights

Spills In, Water Out

The foremost function of a spill container is to keep spills in and keep water out all while enduring constant attack from weather, forecourt traffic and continuous fuel delivery handling. The rugged concrete ring, sturdy snow plow ring, integrated liquid dam and gasketed lid keep the Defender Series® capturing spills and repelling water intrusion for maximum protection of your liquid investment.

Ready for Anything

Regulations and requirements are constantly changing. The Defender Series® lets you choose a single wall spill containment option with the ability to upgrade to a double wall spill containment option in the future for twice the protection. The upgrade is simple and can be carried out without having to break concrete; an expense and hassle that no one wants to encounter.

Easy Installation and Retrofit

Let's face it; installations don't always go exactly as planned. Installers will love the variable height adjustment feature of the Defender Series®, which allows for 3 inches of adjustment in installation height, making it easy to ensure proper grade level installation. This feature also allows for easy replacement of most any other spill container in retrofit applications.

Interstitial Monitoring (double-wall versions only)

The peace of mind in knowing your double wall spill containment is performing as it should is priceless. The Defender Series® features two options, both mechanical and electronic, to receive immediate confirmation of the integrity of the interstitial space so you can spend less time worrying about the possibility of leaks.

Multiport Platform

Franklin has integrated the direct bury Defender Series® spill container into its multiport platform for a new level of protection and complete ease of access. With several layout configurations to choose from, the multiport platform lets you incorporate all of your spill containment into one space-saving area.

Multiport & Direct Bury Upgrade

With the multiport platform you have the option to choose single wall spill containers now with the freedom to upgrade to double wall in the future. When the time is right, simply unbolt the multiport top and replace the spill containers. Replacement is different for multi vs direct bury. In direct fill, you unbolts the plow ring and remove the bucket; on multiports you remove the large treadplate lid and change out the buckets.

Simple Maintenance

Maintenance with the Defender Series® is a breeze. With the direct bury models, you can easily replace interior containment without having to break concrete. The Defender Series® plow ring bolts are completely protected – located inside the interior of the container shielding them from the potential wear and tear of the forecourt environment.

Fully Biofuel Compatible

The Defender Series® incorporates only the highest-grade biofuel compatible components, which allow for use with petroleum, petroleum/alcohol blends (including E-85), diesel and biodiesel.



BIOFUEL

COMPATIBLE COMPLETE SYSTEMS

AG Model STPs Now UL Listed for E85 Applications

THE FUTURE OF THE FUELING
INDUSTRY IS NOW.

With many submersible turbine pump innovations and industry firsts already to its credit, FE Petro submersible turbine pumps from Franklin Fueling Systems are now UL listed for use in applications containing ethanol concentrations up to 85%.

In addition to great benefits like faster fueling times, safe and easy maintenance and simple servicing that FE Petro STPs already offer, now you can rest easy knowing you have an STP E85 application that is backed by a globally known and trusted safety certification resource. Franklin Fueling Systems has a full line of approved AG models to meet the varying needs of its customers.

Available AG Models

- Intelligent STPs
- 2 hp fixed speed STPs
- 1.5 hp fixed speed STPs
- 1/3 and 3/4 hp fixed speed STPs
- Fixed length STPs

Complete Biofuel Compatible Systems

Components of FFS systems are designed together, to work together, ensuring environmental compliance and overall safety.

Enhanced component design, including the incorporation of stainless steel and high grade elastomers, ensures compatibility and durability while preventing fuel contamination.

Franklin's global customer service and technical support team allow a single point of contact for all your Biofuel system needs.



Franklin Fueling Systems

AG Compatible Submersible Turbine Pumps

FE PETRO

Intelligent Submersible Turbine Pumps

Model	Description	Model Length
ISTM-1	2 hp variable speed with MagShell™	69"-87"
ISTM-2	2 hp variable speed with MagShell™	90"-151"
ISTM-3	2 hp variable speed with MagShell™	122"-213"
ISTMVS4-VL1	4 hp variable speed with MagShell™	64"-92"
ISTMVS4-VL2	4 hp variable speed with MagShell™	95"-156"
ISTMVS4-VL3	4 hp variable speed with MagShell™	127"-218"

2 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAGM200-VL1	2 hp AG fixed speed with MagShell™	63"-91"
STPAGM200-VL2	2 hp AG fixed speed with MagShell™	94"-154"
STPAGM200-VL3	2 hp AG fixed speed with MagShell™	126"-217"
STPAGHM200-VL1	2 hp AG high pressure fixed speed with MagShell™	63"-92"
STPAGHM200-VL2	2 hp AG high pressure fixed speed with MagShell™	94"-156"
STPAGHM200-VL3	2 hp AG high pressure fixed speed with MagShell™	126"-218"

1½ hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG150-VL1	1½ hp AG fixed speed	60"-88"
STPAG150-VL2	1½ hp AG fixed speed	91"-152"
STPAG150-VL3	1½ hp AG fixed speed	123"-214"
STPAGH150-VL1	1½ hp AG high pressure fixed speed	61"-89"
STPAGH150-VL2	1½ hp AG high pressure fixed speed	92"-152"
STPAGH150-VL3	1½ hp AG high pressure fixed speed	124"-215"

1/3 and 3/4 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG33-VL1	1/3 hp AG fixed speed	55"-83"
STPAG33-VL2	1/3 hp AG fixed speed	86"-147"
STPAG33-VL3	1/3 hp AG fixed speed	118"-209"
STPAG75-VL1	3/4 hp AG fixed speed	57"-86"
STPAG75-VL2	3/4 hp AG fixed speed	88"-149"
STPAG75-VL3	3/4 hp AG fixed speed	120"-212"

Fixed Length Submersible Turbine Pumps

Model	Description	Model Length
STPAG33	1/3 hp fixed speed	37"-132"
STPAG75	¾ hp fixed speed	37"-132"
STPAG150	1½ hp fixed speed	37"-132"
STPAGH150	1½ hp high pressure fixed speed	37"-132"
STPAGM200	2 hp fixed speed with MagShell™	37"-132"
STPAGHM200	2 hp high pressure fixed speed with MagShell™	37"-132"



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Tel: USA & Canada 1 800 225 9787 • Tel: Mexico 001 800 738 7610



FFS-0129 01-10



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[62M-MA Monitoring Cap EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85>

62M-MA Monitoring Cap EVR Approved for E85, OPW Retail Fueling 62M-MA for use with E85 CARB /EVR Approved for use with E85 Anodized aluminum construction Includes 3/8" Pipe Plug and 3/8" Grommet Fitting Compatible with 1/2" Grommet (sold separately) Product No. Body Cap Grommet Riser Thread Weight In. mm In. mm lbs. kg 62M-MA Anodized Aluminum, 62M-MA Monitoring Probe Cap EVR Approved for E85

[61T-SS Drop Tube E85 EVR Approved \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved>

61T-SS Drop Tube E85 EVR Approved, OPW Retail Fueling 61T-SS for use with E85 EVR Approved for use with E85 Stainless Steel construction 4" Diameter in 12' or 17' Lengths – Accommodate a variety of tank diameters and fill riser pipe sizes. Drop Tube Length Product No. in. mm lbs. kg ft. m 61T-SS-0412 4 102 6.18 2.80 12 3.66 61T-SS-0417 4 102 13 5.9 17 5.19 61T-SS Series Drop Tube

[71JSK Series Jack Screw Kit EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85->

71JSK Series Jack Screw Kit EVR Approved for E85 , OPW Retail Fueling 71JSK for use with E85 Product # Description 71JSK-4RMT Remote Fueling Jack Screw Kit E85 EVR Approved 71JSK-44MA Jack Screw Kit for Cast Iron Base Spill Buckets E85 EVR Approved CARB /EVR Approved for use with E85 Nickel Plated Aluminum Works in conjunction with our 71SOM for remote fueling applications Includes cages for both cast iron and composite base spill containers Eliminates notorious leak



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[71SOM Vapor Tight Overfill Prevention Valve for Alcohol \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/>

71SOM Vapor Tight Overfill Prevention Valve for Alcohol, OPW Retail Fueling 71SOM for use with E85 Nickel plated aluminum, anodized aluminum, stainless steel and other compatible materials, excavation, manholes or vent piping are required. CARB /EVR Approved for use with E85 Constructed, Installation Tool 2.5 1 71JSK-44MA Jack Screw Kit EVR Approved for E85 1.5 0.7 71JSK-4RMT Remote Fueling Jack Screw Kit EVR Approved for E85 1 0.5 NOTE: The 71SOM Overfill

[233 Series Extractor Fittings \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/>

% Ethanol (E85) or Methanol (M85) Body: Duragard® Coated Cast Iron Cage Assembly: ZA12 Zinc/Alloy, Fittings are EVR Approved for E85 233 Series Extractor Fittings FlexWorks Vent Pipe Installation

[61T Drop Tube \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/>

17 5.19 E85 EVR Approved Drop Tube Length Product No. in. mm lbs

[OPW 241TPS Series Hose Swivels \(/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/\)](/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/)

Internal Dimension as Standard 633T Adaptors – To minimize pressure drop and maximize flow rates for quick product delivery. 61SALP-MA - EVR Approved for use with E85 61SALP Adaptor: bronze Base: bronze Retaining ring: conductive nylon Set screws

[OPW 21Ge™ Series Ethanol Nozzles \(/products/temporary-/opw-21ge-series-ethanol-nozzles\)](#)

[/products/temporary-/opw-21ge-series-ethanol-nozzles](#)

3/4" F (NPT) 19 F x 19 F 0.6 0.27 Valve for up to E85 / 300 lb. □66V Series 3/4

[10 Plus Series Emergency Shut-Off Valves \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves\)](#)

[/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves](#)

Double Pressure Combination E85 10P-0152E85 1-1/2" 4 6.8 3.10 NPT Double

[1](#) [2](#) [3](#) [4](#) [5](#)

[\(http://www.opwglobal.com/search-results/retail/10-plus-series-emergency-shut-off-valves/10-plus-series-emergency-shut-off-valves\)](#)

[retail/10-plus-series-emergency-shut-off-valves/10-plus-series-emergency-shut-off-valves](#)

[indexCatalogue=retail&searchQuery=E85+&wordsMode=0](#)

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OPW, A Dover Company (<http://www.dovercorporation.com>)

The following U.S. patents have expired:

4,199,012; 4,351,375; 4,429,725; 4,505,308; 4,453,578; 4,497,350; 4,557,302; 4,649,969; 4,682,714; 4,825,914; 4,971,121;
5,007,468; 5,135,029.

OPW claims no rights in any patent beyond its expiration.

Spill Container Product Identification Tags (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/multiports/spill-container-product-identification-tags)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/multiports/spill-container-product-identification-tags

Vapor Recovery Solid Orange 1TAG-7000 1TAG-7010 85% Ethanol (E85) Bronze Diamond / Black letters (E85) 1TAG-CE85 1TAG-BE85 Ultra Low Sulfur Yellow Hex / Black letter (U) 1TAG-4200

OPW 241TPS-0492 Ethanol Swivel (/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/e-85-alternative-fuel-swivels-breakaways/opw-241tps-0492-ethanol-swivel)

/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/e-85-alternative-fuel-swivels-breakaways/opw-241tps-0492-ethanol-swivel

OPW 241TPS-0492 Ethanol Swivel, OPW Retail Fueling 241TPS-0492 E85 Ethanol Swivel UL Listed for up to 85% ethanol. Allows for easy nozzle positioning in fill pipes – Utilizing two planes of rotation. Reduces premature hose wear – Utilizing two planes of rotation. Added protection vs. thermal and chemical degradation – Dual Seals Design working pressure 50 PSI (3.45 bar) maximum pressure. Body: aluminum w/ nickel plating Outlet Adaptor: zinc w/ nickel plating Inlet Adaptor: zinc w

62M Monitor Probe Cap & Adaptor Kit (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-monitor-probe-cap-adaptor-kit)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-monitor-probe-cap-adaptor-kit

62M Monitor Probe Cap & Adaptor Kit, OPW Retail Fueling 62M Monitor Probe Cap (Cast Aluminum) 62M Monitor Probe Cap Body – Cast aluminum Cap – Cast aluminum Seals – Nitrile Latch – Duratuff® 62M-MA Monitor Probe Cap Body – Anodized aluminum Cap – Anodized aluminum E85 EVR Approved Product No. Body Cap Grommet Riser Thread Weight in. mm in. mm lbs. kg 62M-0375 Aluminum Aluminum 3/8 9.5 4 102 1.3 .59 Accepts .069

1 2 3 4 5
(http://www.opwglobal.com/search-results-retail?indexCatalogue=retail&searchQuery=E85+&wordsMode=0)

10183



FRP Tank Job Information Sheet

CSI Contact: RITA HARRIS Email: rita.harris@nov.com Date: 3/10/20
 Customer Name: Hoyt Ary Email: hoyt@andersonpump.com
 Company: ANDERSON PUMP SERVICE, INC. Purchase Order #: HA10183-02
 Project: LENNY'S FOOD & FUEL - TINLEY

The information marked below is required to complete your order. Please email this document to the above CSI Contact email address or fax 1-800-839-4727 within 24 hours to avoid delays.

Complete Shipping Address: 7451 183RD Street Tinley Park
 (Only needed if not provided on PO, or is different than PO)

	Dia. / Gal.	Petroleum			Potable	Flowtite® Water			Specify:
		Gas	Diesel	Other		Septic	Fire	Other	
<input type="checkbox"/> Tank Size:	<u>10 1/2 10'</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>E85</u>
<input type="checkbox"/> Tank Size:	<u>10' 20K</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Tank Size:	<u>6' 1 3K</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>DEF</u>
<input type="checkbox"/> Turnbuckles for Tanks		<input type="checkbox"/> Deadmen Even with Bottom of Tank			<input type="checkbox"/> Deadmen Below Bottom of Tank				
<input type="checkbox"/> Project Type:		<input type="checkbox"/> New Construction			<input type="checkbox"/> Tank Replacement				

Because proper installation of each tank is essential to validate the tank warranty, CSI strongly encourages participation in our Contractor Training Program. Attached to this Job Information Sheet is a letter providing information about our Contractor Training.

Installing Contractor: ANDERSON PUMP SERVICE Primary Contact: HOYT ARY
 Contractor's Contact Phone #: 708 906 6178 Primary Email: hoyt@andersonpump.com
 Contractor's Phys. Address: 19659 S. 97TH AVE MAVERNA IL 60448

Pre-Production Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Primary Site Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Secondary Site Contact: STEVE KRILL Phone: 708.243.9081 Email: Steve@andersonpump.com

Please sign and date your approval below, as well as the attached drawing(s).
 Requested Delivery Date (MM/DD/YY): 5/28/20 **THIS DATE WILL NOT BE GUARANTEED.**
 ASAP is not an acceptable date.

TANK(S) WILL BE SCHEDULED ON RECEIPT OF FINAL SIGNED/APPROVED DRAWINGS AND COMPLETED JOB INFORMATION SHEET.

Tanks fabricated and not shipped within **30 DAYS** of original ship date will be invoiced.
 Tanks will not be put into production until a written confirmation is received that the job is on schedule.
 By signing this form, buyer acknowledges that Containment Solutions, Inc. (CSI) Terms & Conditions attached hereto shall supersede buyers Terms & Conditions (if any) for this order as well as all future orders placed with CSI.

Buyers Signature: [Signature] Date: 3/11/20

Notes: _____

FOR CSI INTERNAL USE ONLY

PLANT: Tulsa Mt. Union Bakersfield

TRAINED CONTRACTOR: Yes / No Expiration Date: _____ / Requested Training Date: _____



Notification for Underground Storage Tanks Form - Facility #2047018

Submitted on: 10/26/2023 Approved on: 10/26/2023

Correspondence Contact

Name Leonard McEnery
Company Gas N Wash
Job Title Owner
Phone Number (708) 444-0117
Email Address kfarbak.lennys@aol.com

Notification Type

New Owner

Facility / Permit

Facility Number: 2047018

UST Facility Property Owner - New

Owner Name or Co.

Lenny's Food N Fuel 183rd Street, LLC

Owner Type Private

Date Purchased 5/26/2020

Address 8200 185th Street, Ste K
Tinley Park, IL 60487
Will County
USA

Contact Name Leonard McEnery

Contact Phone Number (708) 444-0117

Contact Email kfarbak.lennys@aol.com

Facility Info - 2047018

Facility Name

Lenny's Food N Fuel 183rd Street, LLC

Parcel PIN 09-01-201-016-0000

Facility Type Commercial / Retail

Address 7451 183rd Street
Tinley Park, IL 60487
Cook County

Contact Name Len McEnery

Contact Phone Number (708) 444-0117

Current Operator - New

Operator Name or Co.

Lenny's Food N Fuel 183rd Street, LLC

Address 8200 185th Street, Ste K
Tinley Park, IL 60487
Will County
USA

Contact First Name Leonard

Contact Last Name McEnery

Contact Phone Number (708) 444-0117

Previous Property Owner

Owner Name or Co.

Lenny's Lemont Real Estate Development, LLC

Address 8200 W 185th Street Suite K
Tinley Park, IL 60487
USA

Contact First Name Len

Contact Last Name McEnery

Contact Phone Number (708) 444-0117

Attachments

Authorization to Submit

2047018 Authorization to Submit.pdf

For Office Use Only:

Name: Leonard McEnery

Title: Owner

Authorization Date: 10/05/2020

Deed of Ownership

RECORDED DEED DMT TO LENNY'S 183.pdf

For Office Use Only:

Deed Approved: Yes

Tax Record

2024_Dec_18_Sales_Tax_183rd.pdf

For Office Use Only:

Tax Record Approved: Yes

Financial Responsibility

Method of attaining Financial Responsibility Requirement: Designated Savings Account

For Office Use Only:

Financial Responsibility Requirement is currently met: No





OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Notification for Underground Storage Tanks Form - Facility #2047018

Submitted on: 10/8/2020 Approved on: 10/8/2020

Notification Form Type

Tank(s) Installed: 00425-2020INS

Correspondence Contact

Name Stephen Kryl
Company Anderson Pump Service
Job Title Project Manager
Phone Number (708) 243-9081
Email Address steve@andersonpump.com

UST Facility Property Owner - U0039801

Owner Name or Co. Lenny's Food N Fuel 183rd Street, LLC
Owner Type Private
Date Purchased 2/10/2020
Address 8200 W 185th Street Suite K
Tinley Park, IL 60487 USA
Contact Name Len McEnery
Contact Phone Number (708) 444-0117
Contact Email lenmcenery@aol.com

Facility Info - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Parcel PIN 09-01-201-016-0000
Facility Type Commercial / Retail
Address 7451 183rd Street
Tinley Park, IL 60487 Cook County
Contact Name Len McEnery
Contact Phone Number (708) 444-0117

Attachments

Contractor Oath

Certification of Compliance: Installation Inspected and Approved by Implementing Agency
cert of comp lenny.pdf

Authorization to Submit

auth lenny.pdf

Compatibility Form

Tank Number: 4 Capacity: 10,000 Product Substance Stored: E-85
Comptability Checklist: E85 lenny checklist.pdf;
Comptability Supporting Documentation: E85 lenny docs.pdf;

Tank #1

Tank Status Currently in use
Date of Installation 8/7/2020
Tank Capacity 20,000 Gallons
Product in Tank Gasoline - Regular
Product Stored Date

Table with 2 columns: Equipment Type, Equipment. Rows include Tank Material of Construction, Piping Material of Construction, Corrosion Protection - Tank, Corrosion Protection - Piping, Release Detection - Tank, Release Detection - Piping, Overfill Prevention, and Spill Containment.

Tank #2**Tank Status** Currently in use**Date of Installation** 8/7/2020**Tank Capacity** 6,000 Gallons**Product in Tank** Gasoline - Premium**Product Stored Date**

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass, - Fiberglass
Piping Material of Construction	Double Wall - Fiberglass, Flex Connector, STP/Tanktop Sump - Single Wall, Valves - Ball, Valves - Shear
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Non-Corrosive - Fiberglass
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Pressurized Line Leak Detection - Electronic, Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Drop Tube Valve
Spill Containment	Spill Bucket - Double Wall

Tank #3**Tank Status** Currently in use**Date of Installation** 8/7/2020**Tank Capacity** 12,000 Gallons**Product in Tank** Diesel Fuel**Petroleum Use** None**Product Stored Date**

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass, - Fiberglass
Piping Material of Construction	Double Wall - Fiberglass, Flex Connector, STP/Tanktop Sump - Single Wall, Valves - Ball, Valves - Shear
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Non-Corrosive - Fiberglass
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Pressurized Line Leak Detection - Electronic, Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Drop Tube Valve
Spill Containment	Spill Bucket - Double Wall

Tank #4**Tank Status** Currently in use**Date of Installation** 8/7/2020**Tank Capacity** 10,000 Gallons**Product in Tank** E-85**Product Stored Date**

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass
Piping Material of Construction	Double Wall - Fiberglass, Flex Connector, STP/Tanktop Sump - Single Wall, Valves - Ball, Valves - Shear
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Non-Corrosive - Fiberglass
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Pressurized Line Leak Detection - Electronic, Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Drop Tube Valve

Equipment Type	Equipment
Spill Containment	Spill Bucket - Double Wall

Tank #5

Tank Status Currently in use

Date of Installation 8/7/2020

Tank Capacity 3,000 Gallons

Product in Tank Diesel Exhaust Fluid (Non-Regulated)

Product Stored Date

Equipment Type	Equipment
Tank Material of Construction	Double Wall - Fiberglass, - Fiberglass
Piping Material of Construction	Double Wall - Flexible, STP/Tanktop Sump - Single Wall, Valves - Ball
Corrosion Protection - Tank	Non-Corrosive - Fiberglass
Corrosion Protection - Piping	Chase - Polyethylene, Non-Corrosive - Flexible
Release Detection - Tank	Automatic Tank Gauging, Interstitial Monitoring - Non-Discriminating Sensors
Release Detection - Piping	Sump Sensor - Non-Discriminating
Overfill Prevention	Overfill Alarm
Spill Containment	Spill Bucket - Single Wall



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

JB Pritzker, Governor
Matt Perez, State Fire Marshal

Authorization to Submit Notification of Underground Storage Tank Form

Facility # 2047018
Facility Name Lenny's Food N Fuel 183rd Street, LLC
Facility Address 7451 W. 183rd Street
City Tinley Park State Illinois Zip Code 60477

The undersigned Owner/Operator gives authorization to the below company/individual to submit the Notification for Underground Storage Tank Form on their behalf for the above referenced facility:

Name of Authorized Representative: Hoyt Ary
Title/Position: Project Manager
Company Name: Anderson Pump Service, Inc
Company Address: 19659 S. 97th Avenue, Mokena, IL 60448

SIGNED:

Under penalties for perjury as provided by laws pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct.

Owner/Operator Signature: Leonard McEnery

Owner Operator

Print Full Name of Person Signing: Leonard McEnery

Title/Position (if not sole proprietor): Owner, Managing Member

E-mail Address for Person Signing: lenmcenery@aol.com

Date: October 5, 2020 kfarbak.lennys@aol.com - Assistant



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

JB Pritzker, Governor
Matt Perez, State Fire Marshal

Certification of Compliance / Installation Oath

The undersigned Contractor certifies that they are licensed by the Illinois State Fire Marshal, Division of Petroleum and Chemical Safety to perform new tank installation of regulated underground storage tanks at the following location:

Facility # 2047018
Facility Name Lenny's Food n Fuel 183rd St. LLC
Facility Address 7451 W 183rd Street
City Tinley Park State Illinois Zip Code 60477
Permit# 00425-2020INS Tank ID #'s 1,2,3,4,5

OATH: I certify the information noted above is true to the best of my knowledge, and certify that the installation was performed in accordance with all applicable state and federal laws and regulations.

SIGNED:

Under penalties for perjury as provided by laws pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct.

IL # 16002275
Company Name Anderson Pump Service Inc.
Employee Name Host Arcy
Title/Position Proj. Manager
Signature [Signature]
Date: 10/5/20



State of Illinois
Office of the State Fire Marshal

Checklist for Documenting UST Compatibility

SUBMIT THIS FORM WITH SUPPORTING DOCUMENTATION ATTACHED.

ALL COMPONENTS MUST BE LISTED IN DETAIL, & COMPATIBILITY DOCUMENTATION MUST CLEARLY IDENTIFY THE COMPONENTS.

Facility where equipment is located:

Facility Number: 2047018
 Facility Owner: LENNY'S FOOD N FUEL 183RD STREET LLC
 Facility Name: LENNY'S FOOD N FUEL 183RD STREET LLC
 Street Address: 7451 183RD STREET
 City: TINLEY PARK
 County: WILL

UST Information:

Tank ID Number: 4
 Tank Material: Steel _____
 FRP
 Single Wall _____ Double Wall
 Tank Volume: 18000
 Tank Product: E85

Complete the checklist below, listing compatibility determination, method used and description. **All answers must be "YES" and supported with a sufficient description or supporting documentation** in order for your UST system to demonstrate compatibility with the blended fuel/biofuel product.

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
TANK	NO	<input checked="" type="radio"/> YES		DOUBLE WALL COMPARTMENT TANK CONTAINMENT SOLUTIONS
PIPING (incl. shear valves, flex connectors)	NO	<input checked="" type="radio"/> YES		AMERON DUALOY 3000 LCX
CONTAINMENT SUMPS	NO	<input checked="" type="radio"/> YES		BRAVO TANK SUMP B400 BRAVO DISPENSER SUMP B1000
PUMPS (STPs/Suction; Dispensers, hoses, nozzles)	NO	<input checked="" type="radio"/> YES		FE PETRO GILBARCO DISPENSERS 3+1

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
RELEASE DETECTION EQUIPMENT	NO	<u>YES</u>		VEEDER ROOT TCS350 plus WITH PROBE, NON DISCRIMINATING SENSORS AND PULD
SPILL PREVENTION EQUIPMENT	NO	<u>YES</u>		FRANKLIN FUELING Double wall
OVERFILL PREVENTION EQUIPMENT	NO	<u>YES</u>		OPW 7150M Drop tube
GASKETS & SEALS (installs after 10/13/18)	NO	<u>YES</u>		FRANKLIN FUELING Flex CONNECTORS
JOINT DOPES & ADHESIVES (installs after 10/13/18)	NO	<u>YES</u>		GRASOLA E SEAL

Methods:

- A. Certification or listing of UST system equipment or components by a nationally recognized, independent testing laboratory for use with the regulated substance stored.
- B. Equipment or manufacturer approval. The manufacturer's approval must be in writing, indicate an affirmative statement of compatibility, specify the range of biofuel blends the component is compatible with, and be from the equipment or component manufacturer

Note: Owners and operators may find American Petroleum Institute's Recommended Practice 1626, *Storing and Handling Ethanol and Gasoline-Ethanol Blends at Distribution Terminals and Filling Stations*, useful in complying with the compatibility requirements.

In order to be in compliance with the 2015 federal UST regulation compatibility requirements for storing biofuels, you must keep documentation of compatibility of the UST system components listed on this page as long as you store the fuel.

For your records, you should update this checklist each time you repair or replace components of your UST system to ensure you have all the required compatibility documentation while storing biofuels.

Checklist Completed By: print name: STEPHEN M. KYRLE

date completed: 3-13-20

signature: *Stephen M. Kyrle*

position/title: PROJECT MANAGER

Magnetostrictive Probes for Alternative Fluids

Certified performance for inventory control and in-tank leak detection in fuel blends up to 100% alcohol

Veeder-Root offers two types of Magnetostrictive Probes for Alternative Fluids to provide highly accurate, trouble-free in-tank leak detection and inventory control in fluids of up to 100% alcohol. The Magnetostrictive Probe for Alternative Fluids with water detection is ideal for fuel blends with less than 20% alcohol. The Magnetostrictive Probe for Alternative Fluids without water detection has been developed for fluids up to 100% alcohol.

Series 8463 0.1 GPH Mag Probe for Alternative Fluids

The 0.1 GPH Mag Probe for Alternative Fluids has been third-party tested and certified to perform far better than the U.S. E.P.A. standards for both 0.1 GPH volumetric tank tightness testing and 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

0.1 GPH Mag Probe and CSLD — Leak detection without shutting down your tanks!

CSLD, Continuous Statistical Leak Detection, is an advanced tank testing technology that makes full use of the TLS-300 and TLS-350(R)'s in-tank monitoring capabilities. CSLD eliminates the need for tank shutdown to perform a leak test — no lost business, no lost operating time!

The TLS-300 and TLS-350(R) equipped with CSLD use the 0.1 GPH Mag Probe to continuously monitor fuel height and temperature information to detect idle times in the tank. During each idle time, data collected forms a highly accurate leak detection database. Sophisticated statistical analysis techniques in CSLD constantly evaluate the database to discard invalid data and perform leak tests based on only high-quality information in the current database. In fact, a new leak test is performed every time new data from an idle period is added.

Series 8463 0.2 GPH Mag Probe for Alternative Fluids

The 0.2 GPH Mag Probe for Alternative Fluids provides the same reliable inventory control features and fluid compatibility as the 0.1 GPH Mag Probe for Alternative Fluids, but offers 0.2 GPH leak detection at a lower cost.

The 0.2 GPH Mag Probe for Alternative Fluids has also been third-party tested and certified to exceed U.S. E.P.A. standards for 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

Approved for Aboveground Tank Applications

Veeder-Root Magnetostrictive Probes are approved for use in aboveground storage tanks to monitor fuel inventory. An AST installation Kit (Form Number 312020-984) is required for these applications and is available from Veeder-Root, Customer Service 800-873-3313 or your authorized Veeder-Root distributor.

Features & Benefits

- Non-corrosive, stainless steel tubing for long-life monitoring in fuels up to 100% alcohol
- Highly accurate Magnetostrictive measurement technology
- Fast accurate leak tests
- 0.1 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.1 GPH Volumetric Tank Tightness Testing
- 0.1 GPH Mag Probe for Alternative Fluids is compatible with TLS-300 and TLS-350R with CSLD for continuous statistical leak detection
- 0.2 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.2 GPH Automatic Tank Gauging
- 2", 3" and 4" Float Kits available

Magnetostrictive Probes for Alternative Fluids are available in 0.1 GPH and 0.2 GPH Versions



Electronic Line Leak Detectors

Application Guide

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Hardware Required for DPLLD Leak Detection	7
Digital Pressurized Line Leak Detector (DPLLD) - Order one per line.	7
DPLLD Modules	7
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DPLLD Accessories and Spare Parts	7
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TLS-350 Consoles - WPLLD	
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FE Petro High Capacity Pumps	13

Veeder-Root Line Leak Application Guide

TOKHEIM	585-13 (1/3 HP)	YES	NO
	585-34 (3/4 HP)	YES	NO
	585-150 (1-1/2 HP)	YES	NO
BENNETT	ALL	YES	NO
4-INCH VARIABLE SPEED MODELS		DPLLD/PLLD	WPLLD
RED JACKET	STD and AG with CPT (2 HP) ^{1,2}	YES	NO
	QUANTUM P200U202Y QS1 - QS3 CPT (2 HP)	YES	NO
	QUANTUM AGP200T202Y QS1 - QS3 CPT (2 HP)	YES	NO
	THE RED JACKET P200U20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET AGP200T20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET VSFC ¹	YES	NO
FE PETRO	IST (2 HP) ¹	YES	NO
	STP VS2, STPAG VS2 (2 HP)	YES	NO
	STPRVS4, ISTVS4 AG	YES	NO
	STPMRVS4, ISTMVS4 AG	YES	NO
6-INCH HIGH CAPACITY MODELS		DPLLD/PLLD	WPLLD
RED JACKET - MAXXUM	MAXXUM MXP300 (3 HP)	YES ³	NO
	MAXXUM MXP500 (5 HP)	YES ³	NO
RED JACKET - BIG-FLO	P100H1 - 1MB (1 HP)	YES ⁴	NO
	P150H1 - 1HB (1-1/2 HP)	NO	NO
	P200H1 - 2MB (2 HP)	YES ⁴	NO
	P200H3 - 2MB (2 HP)	YES ⁴	NO
	P300H3 - 2HB (3 HP)	YES ⁴	NO
	P500H3 - 2K (5 HP)	YES ⁴	NO
FE PETRO	STP3, STPAG3 (3 HP)	YES ^{4,6}	NO
	STP5, STPAG5 (5 HP)	YES ^{4,6}	NO
	STP5H (5HP)	YES ^{4,6}	NO
APPLICATIONS		DPLLD/PLLD	WPLLD
SIPHON/MANIFOLDED TANKS		YES	YES
MANIFOLDED LINES		YES	YES
ELECTRONIC BLENDERS		YES	YES
MECHANICAL BLENDERS		YES ⁵	NO

¹See Site Preparation and Installation manual for supported settings.

²Requires TLS-350 Version X19 or later software and CPT Transducer Adaptor Kit (Red Jacket P/N 144-326-5).

³USER DEFINED pipe type must be used for precision (0.2 and 0.1 gph) testing.

⁴3.0 gph only testing.

⁵Requires TLS-350 Version 29C or later software (PLLD).

⁶Requires Model 'R' Relief Valve.

Line Volume Limits

Console Type	Transducer Type	Piping Type	3.0 GPH Certified Volume (Gal.)	0.2 GPH Certified Volume (Gal.)	0.1 GPH Certified Volume (Gal.)
SERIES 860091-X01 TLS-450PLUS CONSOLES W/SOFTWARE VERSION 7E OR HIGHER	Series 8590-DPLLD	Rigid	1178.6	1178.6	165.08
		Flexible	1178.6	1178.6	109.84
		Hybrid (Flex & Rigid)	1178.6	1178.6	267.8
SERIES 860090-100 TLS-450 CONSOLES		Rigid	425.84	165.08	165.08
		Flexible	109.84	109.84	109.84
		Hybrid (Flex & Rigid)	535.68	267.8	267.8
SERIES 8482 TLS-350, -350PC, -350R, -350RPC, -350PLUS W/ SOFTWARE VERSION X19 OR HIGHER	Series 8484-PLLD	Rigid	212	119.4	119.4
		Flexible	212	119.4	119.4
		Hybrid (Flex & Rigid)	212	119.4	119.4

Veeder-Root Line Leak Application Guide

PIPE TYPE	TLS-4XX w/ DPLLD ^{6,7} (Length Feet)	TLS-360 w/ PLLD ¹ (Length Feet)	TLS-350 w/ WPLLD ² (Length Feet)	BULK MODULUS ³ (PSI)	VOLUME (Gallons/Foot)
FLEXIBLE PIPE - NUPI (Continued)					
TSMAD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	18900	0.092
2 INCH	30-3000	30-650	No	12500	0.163
3 INCH	30-3000	30-300	No	28200	0.367
TSMAXPD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	15500	0.092
2 INCH	30-3000	30-650	No	9200	0.163
3 INCH	30-3000	30-300	No	27800	0.367
FLEXIBLE PIPE - PETROTECHNIK					
PETROTECHNIK UPP EXTRA (63 mm)	20-3000	20-650	No	11,500	0.163
FLEXIBLE PIPE - TOTAL CONTAINMENT					
ENVIROFLEX RETRACTABLE PIPE					
PP1500 (1.5 INCH)	10-3000	10-1100	10-500	2400	0.092
PP1501 (1.5 INCH)	10-3000	10-1100	10-500	3500	0.092
PP1502 (1.5 INCH)	10-3000	10-1100	No	7300	0.092
PP1503 (1.5 INCH)	10-3000	10-1100	No	2500	0.092
PP2500 AND PP2501 (2.5 INCH)	No	No	No	—	—
PP2502 (2.5 INCH)	10-3000	10-430	No	8700	0.255
PP2503 (2.5 INCH)	10-3000	10-430	No	3100	0.255
OMNIFLEX COAXIAL PIPE					
CP1501 (1.5 INCH)	10-3000	10-1100	10-500	13,000	0.092
CP1503 (1.5 INCH)	10-3000	10-1100	No	4500	0.092
CP2503 (2.5 INCH)	10-3000	20-430	No	3900	0.255
FLEXIBLE PIPE - DOUBLE TRAC (OMEGA FLEX)					
UGF-FSP-16 (1.0 INCH)	30-500	30-500	No	31,000	0.058
UGF-FSP-24 (1.5 INCH)	30-3000	30-1100	No	31,000	0.116
UGF-FSP-32 (2.0 INCH)	30-3000	30-650	No	31,000	0.204

¹Mixed Piping Types with PLLD: Using TLS-350 software Version 23 or later, PLLD is certified for 3 gph-only testing for line volumes up to 212 gallons; and for 0.2/0.1 gph testing for line volumes up to 110 gallons. To determine the line volume for mixed piping types, multiply the line length (in feet) times the 'gallons/foot' value for each pipe type and add the results. For example, site has 150 feet of 2" fiberglass and 50 feet of 3" fiberglass pipe:

$$\text{Total line volume} = [150 \times 0.204] + [50 \times 0.461] = 30.6 + 23.1 = 53.7 \text{ gallons}$$

²The 0.2 and 0.1 gph line leak tests cannot be run on flex piping with WPLLD.

³Bulk Modulus entry is only applicable to TLS-350 consoles w/software Version 23 or later and all TLS-450 Series consoles. Refer to TLS-350 System Setup manual (P/N 576013-623) or TLS-450 Setup Manual (P/N 576013-940) for programming instructions.

⁴Geoflex piping produced prior to 2001 has a lower bulk modulus than the current product. For this piping (pre-2001) use the values in (.). For 2001 piping and later, you must set the correct Bulk Modulus in the "User Defined" menu.

⁵Western Fiberglass COFLEX piping produced prior to 2005 has a different bulk modulus than the current product. For piping produced prior to 2005, use the values in (.).

⁶Line lengths shown represent DPLLD approved lengths for 3 gph and 0.2 gph testing. 3.0 gph and 0.2 gph testing for DPLLD with software version 7E or higher is certified for line volumes up to 1178.6 gallons (not to exceed 3000 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

⁷0.1 gph testing is certified for line volumes up to 535.6 gallons (not to exceed 1100 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

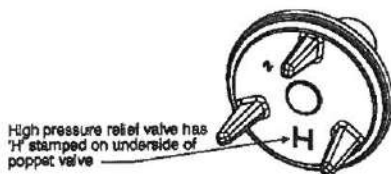
Check Valve Requirements

DPLLD, PLLD and WPLLD require certain check valves or Pressurstat assemblies to be installed on the pump. Use of non-compatible check valves can result in loss of leak detection performance.

Supported Pumps	Check/Relief Valve Type	3.0 GPH Only Testing (Req'd. Kit)	3.0, 0.2, 0.1 GPH Testing (Req'd. Kit)	Additional Req'd. Parts for Manifoldded Lines (Single Tank w/ 2 STPs, or 2 or More Tanks w/ STP in Each)
DPLLD/PLLD Applications				
The Red Jacket	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Check Valve for Each Slave Pump P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Quantum SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 388-081-5 (Field Installed Only)
	Red Jacket SpikeCheck Valve (Field Only Installed) P/N 388-080-5	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	
	Red Jacket Pressurstat Assembly.	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
Standard (All Models)	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Functional Element Assembly	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	
	Red Jacket SpikeCheck Valve (Field Installed Only) P/N 410557-001	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Standard SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 410557-002 (Field Installed Only)
Maxxum	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	See Note 4 below.
Big-Flo	Pressurstat Kit P/N 144-314-5		(See Note 3 below)	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 4 below)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)
	FE Petro Model R Relief Valve P/N 401330902			
Tokheim & Bennett	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
WPLLD Applications				
The Red Jacket	None Required	849490-006	849490-006	High Pressure Check Valve for Each Slave Pump, P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	849490-005 (Except CPT)	849490-005 (Except CPT)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Pressurstat Assembly	849490-005 (Except CPT)	— Not supported —	
Standard (All Models)	SwiftCheck	849490-002 (Except CPT)	849490-002 (Except CPT)	
	Red Jacket Functional Element Assembly	849490-003 (Except CPT)	— Not supported —	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 5 below)	849490-001	849490-001	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)

NOTES:

1. The Veeder-Root High Pressure Check Valve (P/N 410153-002) is shown below:



- For Red Jacket Quantum pumps, the SpikeCheck is the preferred check valve type.
- 0.2/0.1 gph testing is supported for the Maxxum pump, but you must select 'User Defined' as the pipe type during DPLLD or PLLD setup.
- If maximum pump pressure is NOT a minimum of 5 psi below the pressurstat relief setting, then a check valve must be installed in the discharge line of the slave pump (see "Manifoldded Line Applications" on page 12).
- Veeder-Root does not warrant the performance of FE Petro's Model 'R' check valve or 65 psi relief check valve.

TLS-350 Consoles - PLLD

Hardware Required for PLLD Leak Detection

PRESSURIZED LINE LEAK DETECTOR (PLLD)

Order one per line.

MODEL NO.	ITEM
848480-003	PRESSURIZED LINE LEAK DETECTOR WITH SWIFTCHECK VALVE
848480-001	PRESSURIZED LINE LEAK DETECTOR WITHOUT SWIFTCHECK VALVE

PLLD MODULES

•TLS-350/TLS-350 Plus/TLS-350R Consoles - Leak Detection for up to 6 Lines

One Pressurized Line Leak Detector Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-001	SIX INPUT PRESSURIZED LINE LEAK INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

•TLS-350J Consoles - Leak Detection for up to 4 Lines

One 'J' PLLD Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-002	'J' PLLD INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

PLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350/TLS-350J/ TLS-350PLUS/TLS-350R WITHOUT BIR	TLS-350R WITH BIR
	(SEM P/N)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM is not required for 3 GPH-only testing.

PLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

TLS-350 Consoles - WPLLD

Hardware Required for Wireless Pressurized Line Leak Detection (WPLLD)

WIRELESS PRESSURIZED LINE LEAK DETECTOR (WPLLD)

Order one per line.

MODEL NO.	ITEM
849490-001	WPLLD KIT - FOR FE PETRO PUMPS ¹
849490-002	WPLLD KIT WITH SWIFTCHECK VALVE - FOR RED JACKET PUMPS (EXCLUDING QUANTUM) ²
849490-003	WPLLD KIT - 3 GPH ON RED JACKET PUMPS (EXCLUDING QUANTUM) ³
849490-004	WPLLD KIT W/O SWIFTCHECK VALVE FOR RED JACKET PUMPS (EXCLUDING QUANTUM)
849490-005	WPLLD KIT - FOR RED JACKET QUANTUM PUMPS ⁴
849490-006	WPLLD KIT - FOR THE RED JACKET PUMP

¹Contains Line Leak Sensor, and installation kit for FE Petro pumps. Requires FE Petro Model R Check Valve, P/N 400988932.

²Contains Line Leak Sensor, SwiftCheck valve, and installation kit for Red Jacket pumps.

³Supports 3 GPH testing only. Contains Line Leak Sensor, and installation kit for Red Jacket pumps. Requires Red Jacket's Functional Element Assembly models 323-001-5 or 323-002-5. Does not support precision (0.2 GPH or 0.1 GPH) line testing.

⁴Contains Line Leak Sensor and installation kit for Red Jacket Quantum pumps. Requires purchase of SpikeCheck valve, P/N 388-080-5, from Red Jacket.

WPLLD MODULES

One of each module from the table below is required. Order additional WPLLD Controller modules (P/N 330841-001) as required - each Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330874-001	WPLLD AC INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330883-001	COMMUNICATIONS MODULE (MAXIMUM 1 PER CONSOLE)
330841-001	WPLLD CONTROLLER MODULE (MAXIMUM 3 PER CONSOLE*)

*Maximum of 2 WPLLD Controller module per TLS-350J console

WPLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350 / TLS-350J / TLS-350PLUS /	TLS-350R (WITH BIR)
	TLS-350R (W/O BIR)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM not required for 3 gph testing.

WPLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

Special Installations

Manifolded Line Applications

DPLLD, PLLD and WPLLD leak detection systems can handle product lines supplied by multiple tanks and pumps, to a maximum of 8 tanks and pumps per product line.

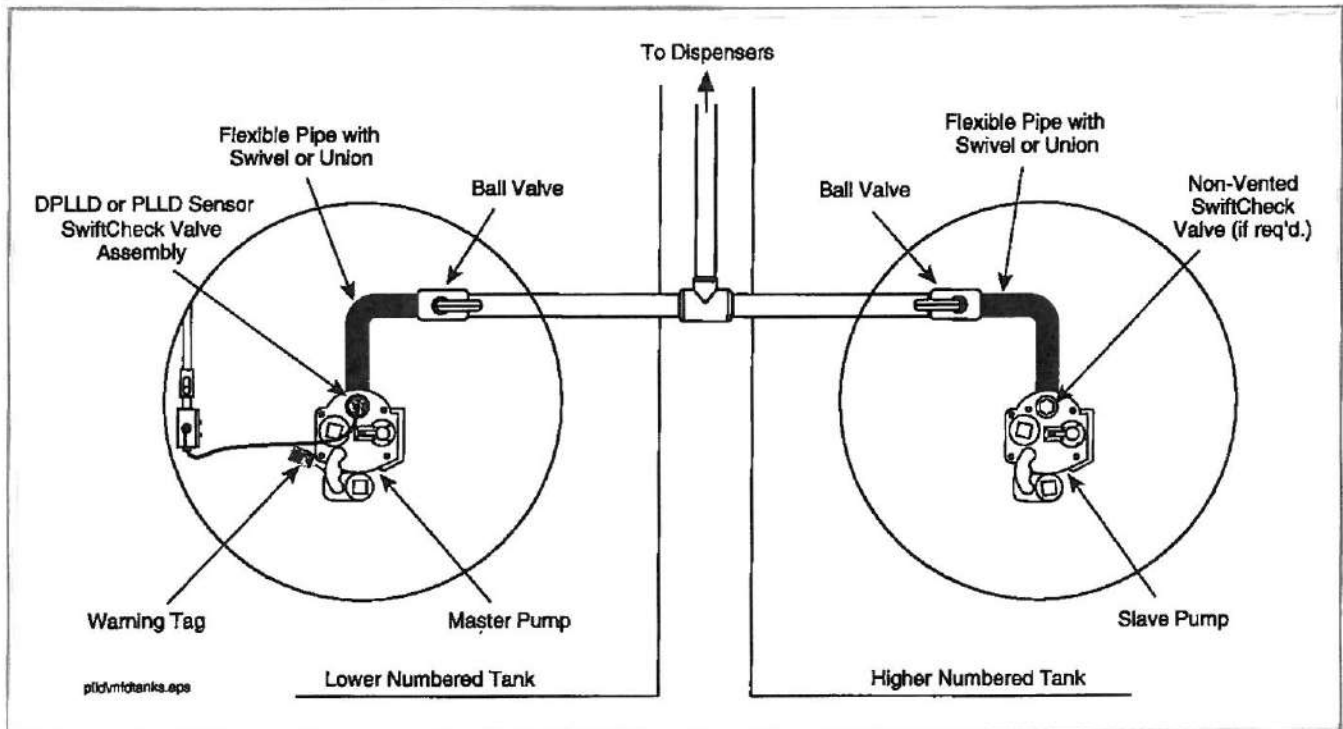
Standard line leak sensing and check valve equipment should be installed at the primary pump.

To perform 0.2 and 0.1 gph tests, a non-vented SwiftCheck valve (P/N 330020-416), or new Red Jacket 65 psi relief valve (P/N 410153-002), or SpikeCheck Valve Non-PSI Relief Valve for Standard Pump (P/N 410557-002), or FE Petro 65 psi Relief Check Valve (FE P/N 402459931) should be installed on each of the other pumps supporting the manifolded product line. The Non-Vented SwiftCheck Valve is rated to a maximum 70 gpm.

NOTICE For 5 HP Maxxum pumps in diesel, an additional in-line check valve with no pressure relief should be installed on the 'Slave' pump to prevent backflow.

A relay on a Four-Relay module or I/O Combination module (TLS-350 Series) or I/O Module (TLS-450 Series) must be available to control each secondary pump. The standard line leak modules will provide pump control output for the primary pump and the "Pump In" signal for the set.

A typical manifolded line installation for DPLLD and PLLD is shown below:



Transducer Installation - Red Jacket CPT and Quantum CPT Pumps

This installation procedure is to be used with Red Jacket CPT and Quantum CPT Pumps.

1. Install the Red Jacket CPT Transducer Adapter Kit (Red Jacket part number 144-326-5) following the instructions with the kit. Thread the PLLD transducer in the mechanical LLD port of the pump.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

The figure below illustrates two DPLLD and PLLD transducer installations in Red Jacket CPT pumps - consult "Check Valve Requirements" on page 6, to determine what check valve you will need to install to perform your intended level of testing.

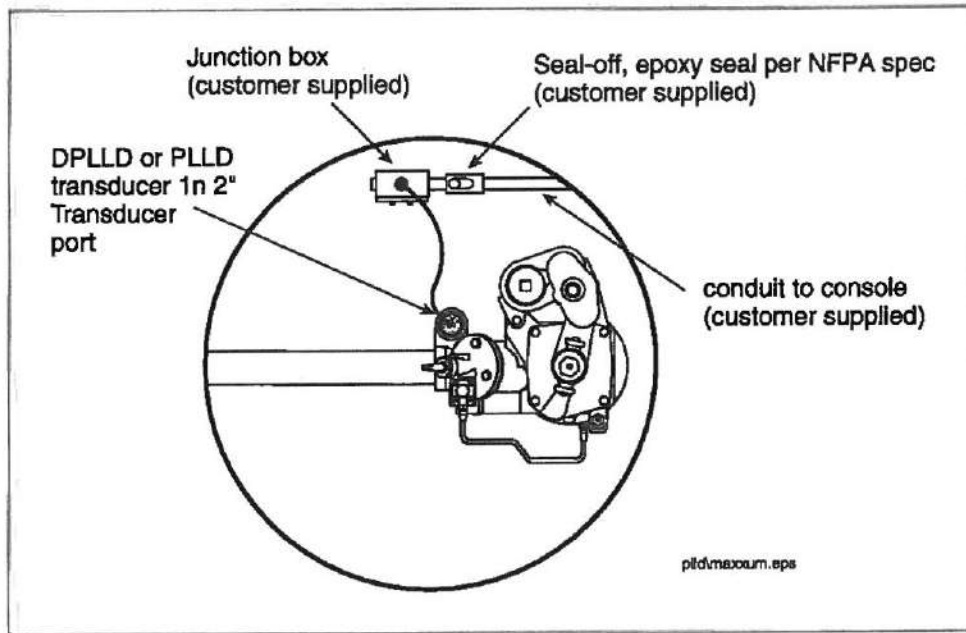
2. Verify that the TLS-350 Series Console has Version x19 or later (TLS-450 Series Console has Version 1 or later) software.
3. Verify that the CPT Controller has Version 1.02 or later software installed.

MAXXUM PUMPS

1. Thread the DPLLD or PLLD transducer into the 2-inch opening of the transducer port.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

2. If any in-line check valves or a Big-Flo Diaphragm Valve are installed in the line, they must be removed.
3. Verify that the TLS 350 Series Console has Version x19 or later software (TLS-450 Series Consoles Version 1 or later software).



FE PETRO HIGH CAPACITY PUMPS

1. Install a reducing tee (customer supplied) in either of the 3-inch discharge ports of the pump with the 2-inch port facing up.
2. Thread the D/PLLD transducer into the 2-inch port on the tee fitting.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

3. Install a model "R" relief valve into the pump if one is not already present.

Frequently Asked Questions:

Gilbarco Veeder-Root Encore[®] Flexible Fuel Dispenser (E85 Ethanol MPD's and Blenders)

Which models of Gilbarco Veeder-Root dispensers are now Underwriter's Laboratory approved under UL 87A for use with E85 ethanol fuel?

The Encore models now UL LISTED for use with E85 fuel are listed below with the Flexible Fuel option included. All Encore MPD units manufactured after **June 24, 2010** and Blender units manufactured after July 30, 2010 with the Flexible Fuel option will have the UL mark displayed on the serial plate label.

Model Description

MPD 1-Grade Dispenser (Encore S & E300)
MPD 2-Grade Dispenser (Encore S & E300)
MPD 3-Grade Dispenser (Encore S & E300)
MPD 4-Grade Dispenser (Encore S only)
Single Hose +1 MPD (only +1 on the Encore S)
Blender Dispenser 2+1 (blended grades on the Encore S)
Blender Dispenser 2+1 (only +1 on the Encore S & E300)
Blender Dispenser 3+0 (blended grades on the Encore S)
Blender Dispenser 3+1 (blended grades on the Encore S)
Blender Dispenser 3+1 (only +1 on the Encore S & E300)
Blender Dispenser 4+0 (blended grades on the Encore S)
Blender Dispenser 4+1 (blended grades on the Encore S)
Blender Dispenser 4+1 (only +1 on the Encore S & E300)
Blender Dispenser 5+0 (blended grades on the Encore S)
Multi-Hose +1 Blender Dispenser (only +1 on the Encore S)

Note: With the addition of the Flexible Fuel option these models are also approved for use with E25.

What is the benefit associated with the UL Listing on Encore blender dispensers?

In some areas of the country fuel marketers are already familiar with using blender dispensers to deliver blended ethanol fuel. By doing so, they're not only bringing a new fuel to the market, they are also able to become a "blender of record". In most cases, the "blender of record" status qualifies them to claim the Federal Tax Credit of .51 cents per gallon of ethanol dispensed. Check with you local tax authority to see how you could take advantage of this opportunity.

What hanging hardware is LISTED for use with E85 fuel?

Information on the required LISTED hanging hardware is outlined below. This data has been updated with the corrected manufacturer's part number and corresponding Gilbarco numbers. You will also be able to find this outlined in the Encore Owner's, Installation, and Service manuals. All Gilbarco Veeder-



be properly evaluated in the field for the following reasons:

1. UL would be unable to certify that the internal gaskets / seals used in the meter and for all of the connections are of the specific type specified in the E85 UL file, and
2. the product falls outside the scope of expertise of the Field Evaluation Services group at UL.

How do I obtain approval from the local authorities having jurisdiction to continue using my E85 Flexible Fuel dispenser without the UL label?

Currently, UL will not allow the UL Mark to be retrofitted onto an E85 dispenser. As discussed previously, this is due to the uncertainty of internal components that may have been changed since the unit was put into service. Therefore, a customer that requires evidence that the unit was originally built with E85 compatible components may contact Gilbarco Veeder-Root Encore Marketing for this documentation.

Are the newly UL LISTED E85 Flexible Fuel dispenser models also approved by the National Conference of Weights and Measures?

Yes, Gilbarco Flexible Fuel models are approved by the National Conference of Weights and Measures. The certificate # is 02-019A16.

Does Gilbarco have retrofit kits available and approved for upgrading standard dispensers to E85?

Gilbarco has submitted retrofit kits to Underwriter’s Laboratory for evaluation.

What is Gilbarco Veeder-Root’s Warranty on the E85 Flexible Fuel dispenser?

The Gilbarco Veeder-Root standard 2 year dispenser warranty coverage will apply to E85 Flexible Fuel dispensers as shown in the table below.

Gilbarco Veeder-Root Warranty Coverage by Fuel Type

Products	Up to E15	E25	E85
Encore S	All Models	Flexible Fuel models*	Flexible Fuel models*
Encore 300	All Models	Flexible Fuel models*	Flexible Fuel models*
Legacy®	All Models	none	none
Gasboy®	All Models	none	none

* Specific Flexible Fuel models can be found in the GPL-1500 pricebook on page 9 and in the latest Encore Product Brochure

Final Note: See Gilbarco Veeder-Root document, SP-3410 for more information regarding the blend wall and EPA’s possible move to approve E15 as a standard motor fuel in the US and its use with standard Gilbarco dispensing equipment.

[Home](#) → [Products](#) → [Pipe Thread Sealants](#) → [Gasoil® E-Seal Thread Sealant](#)



Gasoil® E-Seal Thread Sealant

GASOILA
CHEMICALS



Non-hardening, non-toxic, opaque, dark green paste designed specifically for ethanol blended gasoline including E10 and E85 (for 100% ethanol or 100% methanol applications - use Gasoil 100).

Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, fuel lines and couplings.

For use on brass, copper, stainless steel, aluminum, black pipe, tin and galvanized pipe.

Excellent resistance to gasoline, ethanol blended gasoline such as E10 and E85, petroleum solvents, kerosene diesel oil, BioDiesel propane, jet fuels, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam and potable water.

NOT for use on oxygen.

Temperature Range: -100°F to 600°F (-74°C to 318°C).

Pressure Range: Up to 10,000 psi when sealing liquids and up to 3,000 psi with gases.

One year shelf life.

Distributors

Translated Information for Download



Related < >



Fast Anal Seal



Gasoil Thread PTFE



Gasoil Thread Sealant

[Additional Info](#)

[Data Sheets](#)

FPC Stock Code	Container Size	Units per Case
GE04	1/4 pt. Brush	24
GE08	1/2 pt. Brush	24
GE16	1 pt. Brush	12



FIBERGLASS-COMPOSITE PIPE GROUP

Group Headquarters
9720 Cypresswood Drive, Suite 325
Houston, Texas 77070
Telephone: 832.912.8282
Fax: 832.912.9393

August 30, 2011

Subject: Bio-Fuel Compatibility

To Whom It May Concern:

Ameron Dualoy[®] 3000/L and 3000/LCX fiberglass piping systems (pipe, fittings and adhesive) are compatible with all concentrations of ethanol and ethanol blended fuels, from 0% to 100% ethanol content in gasoline.

The Dualoy product lines are also compatible with all concentrations of methanol blended fuels and all concentrations of bio-diesel.

Ameron Dualoy products are the only fully Listed systems for all applications, fuels and product types by Underwriters Laboratories Standard 971-2004.

Dualoy products were the first Listed by UL for full alcohol compatibility in 1988. Prior to that date, UL did not offer a Listing for alcohol blended fuels, although legacy Dualoy products prior to the Listing were compatible with ethanol and all concentrations of ethanol blended fuels.

For questions or other information needs, please contact Joie L. Folkers – Vice President Sales & Marketing at the above address or phone number or at jfolkers@ameron.com.

Respectfully submitted,

A handwritten signature in blue ink that reads 'Joie L. Folkers'.

Joie L. Folkers
Vice President Sales & Marketing
Ameron International
Fiberglass-Composite Pipe Division-USA

JLF/vo





S. Bravo Systems, Inc.
2929 Vall Avenue
Commerce, CA 90040
1-800-AT-BRAVO
www.sbravo.com

Wednesday - August 25 - 2010

R3 10.21.13

RE: Bravo Fiberglass Sumps and Alternative fuels

This letter is to certify the compatibility of Bravo (S. Bravo Systems, Inc.) Single and Double Wall Fiberglass Containment Sumps with Alternative Fuels such as Biodiesel and Ethanol blended fuels. It also addresses compatibility with DEF Diesel Exhaust Fluid.

Bravo Fiberglass products are engineered with the same UL Listed materials used in the manufacture and certification of Fiberglass Tanks, matching the UL Standard 1316. Since our Fiberglass containment sumps are Built like a Tank, they can withstand continuous fuel exposure to Biodiesel, Ethanol and Alcohol blends without failure.

All DoubleWall Containment Sumps are engineered to be fully compliant with the California State Water Resource Control Board Assembly Bill AB-2481 for DoubleWall Sumps and Continuous Monitoring Systems.

The following Single and Double Wall Containment Sumps manufactured by Bravo Systems in Commerce, California are compatible with Biodiesel and Ethanol fuel blends up to B100 and E100, respectively.

- > B3XX Series Spill Buckets
- > B4XX Series Tank Sumps & Covers
- > B5XX Series Planter Transition Sumps
- > B6XX Series Walkover Transition Sumps
- > B7XX Series H-20 Rated Transition Sumps
- > B8XX Series Transition Sumps
- > B1XXX Series UDC Sumps
- > B7XXX Series UDC Sumps
- > B8XXX Series UDC Sumps
- > B9XXX Series UDC Sumps

Bravo Systems also certifies that these products are compatible with and approved for use in secondary containing DEF Diesel Exhaust Fluid.

Each respective Series may be UL Listed in addition to being manufactured of UL recognized materials approved for use in the manufacture of Fiberglass UST tanks. Any other relevant documentation will be located in the documents area of each product's respective webpage.

Please feel free to contact us with any questions you may have at 800-AT-BRAVO.

Additionally, you may find further information at www.sbravo.com.

Sincerely,

Jonathan E. Smith
Director of Brand Management
S. Bravo Systems, Inc.





Engineering Report

Underground Tank Alcohol Compatibility

William A. Schneider
9/25/03

All Containment Solutions Inc. (CSI) single and double wall fuel tanks manufactured since the inception of CSI on 1/1/1995 are listed by Underwriters Laboratories Inc. under UL Standard 1316 (*Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*) for the storage of "Petroleum Products, Alcohols and Alcohol-Gasoline Mixtures" under UL file MH7991..

The listing includes gasoline, gasoline-ethanol blends at any level of ethanol, gasoline-methanol blends at any level of methanol, 100% ethanol, and 100% methanol.

On 1/1/95, CSI purchased the assets of Owens Corning (OC) who previously developed and then manufactured fiberglass reinforced plastic underground storage tanks for fuel storage starting in the mid 60's. Documents produced by OC concerning the alcohol compatibility of their tanks are available from Owens Corning.



FIREFLEX FLEXIBLE CONNECTORS

Since their introduction in 1995, FLEX-ING™ FIREFLEX Flexible Connectors have quickly become the industry standard and benchmark for quality as a means to easily connect pipework system to other systems components such as submersible pumps or shear valves. The benefit of their use is undeniable. They have quickly become an integral part of any installation. Installers love their ease of installation while station owners have come to depend on their durability and how easy they make regular maintenance. With tons of available options, Franklin Fueling Systems has the right connector to fit any application.

Highlights

Flexibility is Key

When it comes to Flexible Connectors, flexibility is key. The tight working conditions found in dispenser and tank sumps provide little room for installers to work, motivating some manufacturers of flexible connectors to sacrifice overall strength for flexibility. With FLEX-ING™ FIREFLEX Flexible Connectors, there's no need to compromise. Their corrugated fuel contact layers feature a 25% thicker metal construction and gain flexibility from having more corrugations per foot rather than thinner walls.

Quality Construction

Enclosing the corrugated fuel contact layer is a stainless steel braid that is manufactured from only high-grade stainless steel. The precision braiding process used to manufacture the braid gives strength while still maintaining flexibility. These layers are tied together with a hand-welded coupler ring, and are factory pressure-tested for zero leaks.

Ready for Anything

FLEX-ING™ FIREFLEX Flexible Connectors are available in a multitude of end connections to ensure the right fit for any application - including tees, elbows and FRP transitions. Standard male and female end connections with integrated hex-head surfaces provide easy installation and tightening. The male swivel end connection option allows for the ultimate in ease of installation. The male swivel end connection option features a three-gasket, x-ring seal design. This adds up to a total of six seals, eliminating potential leak paths.

EZ Fit Flexible Connectors

The EZ FIT union style coupling system is specifically designed to make connections in confined spaces simple and tight. The entire flexible connector assembly can be quickly and easily disconnected and pulled out of the inline system without breaking pipe. This feature makes installation fast and regular maintenance simple to carry out. Each EZ FIT union style coupling comes complete with couplers and gaskets..

Specifications

- USA NFPA 30-A fire rated
- All metal construction means one flexible connector for both above and below ground applications
- An 18-8 alloy outer shell, 321 Stainless Steel inner core provides a long service life
- Thick, schedule 80 hex end fittings protect against deformation of the ends
- 100% pressure tested to assure quality
- UL 2039 listed for 50psi working pressure
- EZ FIT clamp and gasket are included with each assembly

Certifications

- UL 2039 listed for above and below ground installation; for use with gasoline, gas alcohol blends (up to E85), diesel and biodiesel.





THE DEFENDER SERIES® SPILL CONTAINMENT

The field-proven Defender Series® has gone toe-to-toe with the worst conditions the world's forecourts could throw at it and came out with a reputation for dependability and versatility. So how could you possibly improve upon the most dependable spill containment series on the market? For starters, we've integrated it into our rugged multiport platform and outfitted it for complete biofuel compatibility. The best defense just got better.

Highlights

Spills In, Water Out

The foremost function of a spill container is to keep spills in and keep water out all while enduring constant attack from weather, forecourt traffic and continuous fuel delivery handling. The rugged concrete ring, sturdy snow plow ring, integrated liquid dam and gasketed lid keep the Defender Series® capturing spills and repelling water intrusion for maximum protection of your liquid investment.

Ready for Anything

Regulations and requirements are constantly changing. The Defender Series® lets you choose a single wall spill containment option with the ability to upgrade to a double wall spill containment option in the future for twice the protection. The upgrade is simple and can be carried out without having to break concrete; an expense and hassle that no one wants to encounter.

Easy Installation and Retrofit

Let's face it; installations don't always go exactly as planned. Installers will love the variable height adjustment feature of the Defender Series®, which allows for 3 inches of adjustment in installation height, making it easy to ensure proper grade level installation. This feature also allows for easy replacement of most any other spill container in retrofit applications.

Interstitial Monitoring (double-wall versions only)

The peace of mind in knowing your double wall spill containment is performing as it should is priceless. The Defender Series® features two options, both mechanical and electronic, to receive immediate confirmation of the integrity of the interstitial space so you can spend less time worrying about the possibility of leaks.

Multiport Platform

Franklin has integrated the direct bury Defender Series® spill container into its multiport platform for a new level of protection and complete ease of access. With several layout configurations to choose from, the multiport platform lets you incorporate all of your spill containment into one space-saving area.

Multiport & Direct Bury Upgrade

With the multiport platform you have the option to choose single wall spill containers now with the freedom to upgrade to double wall in the future. When the time is right, simply unbolt the multiport top and replace the spill containers. Replacement is different for multi vs direct bury. In direct fill, you unbolt the plow ring and remove the bucket; on multiports you remove the large treadplate lid and change out the buckets.

Simple Maintenance

Maintenance with the Defender Series® is a breeze. With the direct bury models, you can easily replace interior containment without having to break concrete. The Defender Series® plow ring bolts are completely protected – located inside the interior of the container shielding them from the potential wear and tear of the forecourt environment.

Fully Biofuel Compatible

The Defender Series® incorporates only the highest-grade biofuel compatible components, which allow for use with petroleum, petroleum/alcohol blends (including E-85), diesel and biodiesel.



BIOFUEL

COMPATIBLE COMPLETE SYSTEMS

AG Model STPs Now UL Listed for E85 Applications

THE FUTURE OF THE FUELING
INDUSTRY IS NOW.

With many submersible turbine pump innovations and industry firsts already to its credit, FE Petro submersible turbine pumps from Franklin Fueling Systems are now UL listed for use in applications containing ethanol concentrations up to 85%.

In addition to great benefits like faster fueling times, safe and easy maintenance and simple servicing that FE Petro STPs already offer, now you can rest easy knowing you have an STP E85 application that is backed by a globally known and trusted safety certification resource. Franklin Fueling Systems has a full line of approved AG models to meet the varying needs of its customers.

Available AG Models

- Intelligent STPs
- 2 hp fixed speed STPs
- 1.5 hp fixed speed STPs
- 1/3 and 3/4 hp fixed speed STPs
- Fixed length STPs

Complete Biofuel Compatible Systems

Components of FFS systems are designed together, to work together, ensuring environmental compliance and overall safety.

Enhanced component design, including the incorporation of stainless steel and high grade elastomers, ensures compatibility and durability while preventing fuel contamination.

Franklin's global customer service and technical support team allow a single point of contact for all your Biofuel system needs.



Franklin Fueling Systems

AG Compatible Submersible Turbine Pumps

FE PETRO

Intelligent Submersible Turbine Pumps

Model	Description	Model Length
ISTM-1	2 hp variable speed with MagShell™	69"-87"
ISTM-2	2 hp variable speed with MagShell™	90"-151"
ISTM-3	2 hp variable speed with MagShell™	122"-213"
ISTMVS4-VL1	4 hp variable speed with MagShell™	64"-92"
ISTMVS4-VL2	4 hp variable speed with MagShell™	95"-156"
ISTMVS4-VL3	4 hp variable speed with MagShell™	127"-218"

2 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAGM200-VL1	2 hp AG fixed speed with MagShell™	63"-91"
STPAGM200-VL2	2 hp AG fixed speed with MagShell™	94"-154"
STPAGM200-VL3	2 hp AG fixed speed with MagShell™	126"-217"
STPAGHM200-VL1	2 hp AG high pressure fixed speed with MagShell™	63"-92"
STPAGHM200-VL2	2 hp AG high pressure fixed speed with MagShell™	94"-156"
STPAGHM200-VL3	2 hp AG high pressure fixed speed with MagShell™	126"-218"

1½ hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG150-VL1	1½ hp AG fixed speed	60"-88"
STPAG150-VL2	1½ hp AG fixed speed	91"-152"
STPAG150-VL3	1½ hp AG fixed speed	123"-214"
STPAGH150-VL1	1½ hp AG high pressure fixed speed	61"-89"
STPAGH150-VL2	1½ hp AG high pressure fixed speed	92"-152"
STPAGH150-VL3	1½ hp AG high pressure fixed speed	124"-215"

1/3 and 3/4 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG33-VL1	1/3 hp AG fixed speed	55"-83"
STPAG33-VL2	1/3 hp AG fixed speed	86"-147"
STPAG33-VL3	1/3 hp AG fixed speed	118"-209"
STPAG75-VL1	3/4 hp AG fixed speed	57"-86"
STPAG75-VL2	3/4 hp AG fixed speed	88"-149"
STPAG75-VL3	3/4 hp AG fixed speed	120"-212"

Fixed Length Submersible Turbine Pumps

Model	Description	Model Length
STPAG33	1/3 hp fixed speed	37"-132"
STPAG75	¾ hp fixed speed	37"-132"
STPAG150	1½ hp fixed speed	37"-132"
STPAGH150	1½ hp high pressure fixed speed	37"-132"
STPAGM200	2 hp fixed speed with MagShell™	37"-132"
STPAGHM200	2 hp high pressure fixed speed with MagShell™	37"-132"



www.franklinfueling.com
 3760 Marsh Road • Madison, WI 53718, USA
 Tel: +1 608 838 8786 • Fax: +1 608 838 6433
 Tel: USA & Canada 1 800 225 9787 • Tel: Mexico 001 800 738 7610



FFS-0129 01-10



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[62M-MA Monitoring Cap EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85>

62M-MA Monitoring Cap EVR Approved for E85, OPW Retail Fueling 62M-MA for use with E85 CARB /EVR Approved for use with E85 Anodized aluminum construction Includes 3/8" Pipe Plug and 3/8" Grommet Fitting Compatible with 1/2" Grommet (sold separately) Product No. Body Cap Grommet Riser Thread Weight In. mm In. mm lbs. kg 62M-MA Anodized Aluminum, 62M-MA Monitoring Probe Cap EVR Approved for E85

[61T-SS Drop Tube E85 EVR Approved \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved>

61T-SS Drop Tube E85 EVR Approved, OPW Retail Fueling 61T-SS for use with E85 EVR Approved for use with E85 Stainless Steel construction 4" Diameter in 12' or 17' Lengths – Accommodate a variety of tank diameters and fill riser pipe sizes. Drop Tube Length Product No. in. mm lbs. kg ft. m 61T-SS-0412 4 102 6.18 2.80 12 3.66 61T-SS-0417 4 102 13 5.9 17 5.19 61T-SS Series Drop Tube

[71JSK Series Jack Screw Kit EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85->

71JSK Series Jack Screw Kit EVR Approved for E85 , OPW Retail Fueling 71JSK for use with E85 Product # Description 71JSK-4RMT Remote Fueling Jack Screw Kit E85 EVR Approved 71JSK-44MA Jack Screw Kit for Cast Iron Base Spill Buckets E85 EVR Approved CARB /EVR Approved for use with E85 Nickel Plated Aluminum Works in conjunction with our 71SOM for remote fueling applications Includes cages for both cast iron and composite base spill containers Eliminates notorious leak



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[71SOM Vapor Tight Overfill Prevention Valve for Alcohol \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/>

71SOM Vapor Tight Overfill Prevention Valve for Alcohol, OPW Retail Fueling 71SOM for use with E85 Nickel plated aluminum, anodized aluminum, stainless steel and other compatible materials, excavation, manholes or vent piping are required. CARB /EVR Approved for use with E85 Constructed, Installation Tool 2.5 1 71JSK-44MA Jack Screw Kit EVR Approved for E85 1.5 0.7 71JSK-4RMT Remote Fueling Jack Screw Kit EVR Approved for E85 1 0.5 NOTE: The 71SOM Overfill

[233 Series Extractor Fittings \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/>

% Ethanol (E85) or Methanol (M85) Body: Duragard® Coated Cast Iron Cage Assembly: ZA12 Zinc/Alloy, Fittings are EVR Approved for E85 233 Series Extractor Fittings FlexWorks Vent Pipe Installation

[61T Drop Tube \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/>

17 5.19 E85 EVR Approved Drop Tube Length Product No. in. mm lbs

[OPW 241TPS Series Hose Swivels \(/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/\)](/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/)

Internal Dimension as Standard 633T Adaptors – To minimize pressure drop and maximize flow rates for quick product delivery. 61SALP-MA - EVR Approved for use with E85 61SALP Adaptor: bronze Base: bronze Retaining ring: conductive nylon Set screws

OPW 21Ge™ Series Ethanol Nozzles (/products/temporary-/opw-21ge-series-ethanol-nozzles)

/products/temporary-/opw-21ge-series-ethanol-nozzles

3/4" F (NPT) 19 F x 19 F 0.6 0.27 Valve for up to E85 / 300 lb. □66V Series 3/4

10 Plus Series Emergency Shut-Off Valves (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves

Double Pressure Combination E85 10P-0152E85 1-1/2" 4 6.8 3.10 NPT Double

[1](#) [2](#) [3](#) [4](#) [5](#)

(<http://www.opwglobal.com/search-results/retail/page/5?indexCatalogue=retail&searchQuery=E85+&wordsMode=0>)

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OPW, A Dover Company (<http://www.dovercorporation.com>)

The following U.S. patents have expired:

4,199,012; 4,351,375; 4,429,725; 4,505,308; 4,453,578; 4,497,350; 4,557,302; 4,649,969; 4,682,714; 4,825,914; 4,971,121; 5,007,468; 5,135,029.

OPW claims no rights in any patent beyond its expiration.

10183



FRP Tank Job Information Sheet

CSI Contact: RITA HARRIS Email: rita.harris@nov.com Date: 3/10/20
 Customer Name: Hoyt Ary Email: hoyt@andersonpump.com
 Company: ANDERSON PUMP SERVICE, INC. Purchase Order #: HA10183-02
 Project: LENNY'S FOOD & FUEL - TINLEY

The information marked below is required to complete your order. Please email this document to the above CSI Contact email address or fax 1-800-839-4727 within 24 hours to avoid delays.

Complete Shipping Address: 7451 183RD Street Tinley Park
 (Only needed if not provided on PO, or is different than PO)

	Dia. / Gal.	Petroleum			Potable	Flowtite® Water			Specify:
		Gas	Diesel	Other		Septic	Fire	Other	
<input type="checkbox"/> Tank Size:	<u>10 1/2 10'</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>E85</u>
<input type="checkbox"/> Tank Size:	<u>10' 20K</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Tank Size:	<u>6' 1 3K</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>DEF</u>
<input type="checkbox"/> Turnbuckles for Tanks		<input type="checkbox"/> Deadmen Even with Bottom of Tank			<input type="checkbox"/> Deadmen Below Bottom of Tank				
<input type="checkbox"/> Project Type:		<input type="checkbox"/> New Construction			<input type="checkbox"/> Tank Replacement				

Because proper installation of each tank is essential to validate the tank warranty, CSI strongly encourages participation in our Contractor Training Program. Attached to this Job Information Sheet is a letter providing information about our Contractor Training.

Installing Contractor: ANDERSON PUMP SERVICE Primary Contact: HOYT ARY
 Contractor's Contact Phone #: 708 906 6178 Primary Email: hoyt@andersonpump.com
 Contractor's Phys. Address: 19659 S. 97TH AVE MAVERICK IL 60448

Pre-Production Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Primary Site Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Secondary Site Contact: STEVE KRILL Phone: 708.243.9081 Email: Steve@andersonpump.com

Please sign and date your approval below, as well as the attached drawing(s).
 Requested Delivery Date (MM/DD/YY): 5/28/20 **THIS DATE WILL NOT BE GUARANTEED.**
 ASAP is not an acceptable date.

TANK(S) WILL BE SCHEDULED ON RECEIPT OF FINAL SIGNED/APPROVED DRAWINGS AND COMPLETED JOB INFORMATION SHEET.

Tanks fabricated and not shipped within **30 DAYS** of original ship date will be invoiced.
 Tanks will not be put into production until a written confirmation is received that the job is on schedule.
 By signing this form, buyer acknowledges that Containment Solutions, Inc. (CSI) Terms & Conditions attached hereto shall supersede buyers Terms & Conditions (if any) for this order as well as all future orders placed with CSI.

Buyers Signature: [Signature] Date: 3/11/20

Notes: _____

FOR CSI INTERNAL USE ONLY

PLANT: Tulsa Mt. Union Bakersfield

TRAINED CONTRACTOR: Yes / No Expiration Date: _____ / Requested Training Date: _____

Taxpayer Notification

Business Authorization



#BWNKMGV
#CNXX XX22 5876 68X5#
LENNYS GAS N WASH 183RD STREET LLC
GAS N WASH 183RD ST.
8200 185TH ST STE K
TINLEY PARK IL 60487-9234

October 19, 2023



Letter ID: CNXXXX22587668X5

Account ID: 4376-1941

We have issued your Certificate of Registration.

We have issued your Illinois Business Authorization.

Please verify that all of the information on the Business Authorization is correct. If all of the information is correct, you may print a paper copy from a MyTax Illinois account to visibly display at the business address listed.

Your Illinois Business Authorization is an important tax document that indicates that you are registered or licensed with the Illinois Department of Revenue to legally do business in Illinois.

If you wish to be registered for any other taxes or fees, you must complete a new application. For questions, visit our website at tax.illinois.gov or call us weekdays between 8:00 a.m. and 4:30 p.m. at the telephone number below.

**CENTRAL REGISTRATION DIVISION
ILLINOIS DEPARTMENT OF REVENUE
PO BOX 19030
SPRINGFIELD IL 62794-9030
REV.CENTREG@illinois.gov**

217 785-3707

Verify that all of your Illinois Business Authorization information is correct.

If not, contact us immediately.

If all of the information is correct, you may print and visibly display at the business listed. Your Illinois Business Authorization is an important tax document that indicates that you are registered or licensed with the Illinois Department of Revenue to legally do business in Illinois.

OFFICIAL DOCUMENT

State of Illinois - Department of Revenue

Illinois Business Authorization

OFFICIAL DOCUMENT

LENNYS GAS N WASH 183RD STREET LLC

DBA: GAS N WASH 183RD ST.

**7451 W 183RD ST
TINLEY PARK IL 60477**

Loc. Code: 099-0063-2-002

**Tinley Park (Will)
Will County**

Expiration Date:
12/18/2024

Certificate of Registration

Sales and use taxes and fees (4376-1941)

ILLINOIS REVENUE
[Signature]
Director

OFFICIAL DOCUMENT

Issued Date: **10/19/2023**





Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Permit #	00425-2020INS	
Date	8/7/2020	
Notification Form Received	Y <input type="radio"/>	N <input checked="" type="radio"/>
Permit Not Executed	<input type="checkbox"/>	

LOG OF UNDERGROUND STORAGE TANK INSTALLATION

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC

Name

8200 W 185th Street Suite K

Street Address

Tinley Park IL 60487

City State Zip

Len McEnery 708-444-0117 Ext. 101

Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC

Name

7451 183rd Street

Street Address

Tinley Park IL 60487 Cook

City State Zip County

Len McEnery 708-444-0117

Contact Person Phone

CONTRACTOR

IL002275

License Number

Anderson Pump Service, Inc.

Name

19659 South 97th Avenue

Street Address

Mokena IL 60448

City State Zip

Ron Anderson 708-478-6190 Ext. 222

Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	UL Number	Install Date
1	20,000	Gasoline - Regular	D53055212	8/7/2020
2	6,000	Gasoline - Premium	D53055209	8/7/2020
3	12,000	Diesel Fuel	D53055209	8/7/2020
4	10,000	E-85	D53055209	8/7/2020

SECTION A. TESTING OF TANKS

Scheduled on 8/7/2020 8:30 AM - 10:30 AM

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

Primary Tank Test: Vacuum

Secondary Tank Test: Vacuum

Y N

1. Did STSS verify all certified employees, non-certified workers and subcontract excavation operators possess their 40 hour General Site Worker Program identification card and valid refresher cards?

2. Did STSS verify the certified employee possessed a wallet card verifying successful passage of OSFM approved exam?

Name of certified employee: Brodie Ary

Date certification expires: 11/28/2020

SECTION B. TANK INSTALLATION

Scheduled on 8/7/2020 - Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|---|--------------------------------------|----------------------------------|
| 1. Is equipment, manufacturer, model, and materials the same as approved on permit | <input checked="" type="radio"/> | <input type="radio"/> |
| 2. Was tank damaged during shipping/installation | <input type="radio"/> | <input checked="" type="radio"/> |
| 3. Was anchoring used and properly installed | <input checked="" type="radio"/> | <input type="radio"/> |
| 4. Does location of excavation match permit drawing | <input checked="" type="radio"/> | <input type="radio"/> |
| 5. Are excavation walls properly sloped or stair stepped back | <input checked="" type="radio"/> | <input type="radio"/> |
| 6. If tank is used, is certification on site | N/A <input checked="" type="radio"/> | <input type="radio"/> |
| 7. Did STSS verify all certified employees, non-certified workers and subcontract excavation operators possess their 40 hour General Site Worker Program identification card and valid refresher cards? | <input checked="" type="radio"/> | <input type="radio"/> |
| 8. Did STSS verify the certified employee possessed a wallet card verifying successful passage of OSFM approved exam? | <input checked="" type="radio"/> | <input type="radio"/> |

Name of certified employee: Brodie Ary

Date certification expires: 11/28/2020

SECTION C. PRIMARY PIPING AIR TEST

Scheduled on 9/28/2020 8:30 AM - 10:30 AM Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|---|-----------------------|-----------------------|
| 1. Was primary piping pressurized for 30 minutes at required pressure and all connections tested (includes vents) | <input type="radio"/> | <input type="radio"/> |
| 2. Is piping type installed, same as permit | <input type="radio"/> | <input type="radio"/> |
| 3. Was piping or coating damaged | <input type="radio"/> | <input type="radio"/> |

SECTION D. SECONDARY PIPING TEST

Scheduled on 10/1/2020 - Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|--|---------------------------|-----------------------|
| 1. Was secondary piping pressurized for 30 minutes at required pressure | N/A <input type="radio"/> | <input type="radio"/> |
| 2. Type of system installed is European Suction (Secondary containment is not required) | <input type="radio"/> | <input type="radio"/> |

SECTION E. SECONDARY CONTAINMENT TEST

Scheduled on 10/1/2020 8:30 AM - 10:30 AM Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

Y N

1. Were all newly installed containments hydrostatically tested

SECTION F. SPILL CONTAINMENT AND OVERFILL

Did Not Verify Y N

1. Are spill containment manholes being installed

2. Are drop tube overfill devices being installed

3. Are overfill alarms being installed

SECTION G. VENTS

Did Not Verify Y N

1. Does each tank have a dedicated vent line

2. Does the vent line have an updraft cap

SECTION H. PRECISION TEST

Scheduled on 12/11/2020 -

Y N

1. Verified that Precision Test performed?

2. If so: Company Name: Tanknology _____

IL #: 2089 _____

Test Date: 12/11/2020 _____

Results: Pass Fail N/A

3. Results performed and signed by a certified employee? N/A

Name of certified employee: Tim McPhee _____

Date certification expires: 6/8/2022 _____

Remarks:

SECTION I. FINAL INSPECTION

Scheduled on 12/15/2020 8:30 AM - 10:30 AM Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

Y N

1. Final inspection has been completed and all permitted components installed, appears to be functioning normally

Remarks:

12/16/2020

X *Randy Carben*

Signed by: RANDALL CARBEN

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Permit #	00425-2020INS	
Date	9/28/2020	
Notification Form Received	<input type="radio"/> Y	<input checked="" type="radio"/> N
Permit Not Executed	<input type="checkbox"/>	

LOG OF UNDERGROUND STORAGE TANK INSTALLATION

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC

Name

8200 W 185th Street Suite K

Street Address

Tinley Park IL 60487

City State Zip

Len McEnergy 708-444-0117 Ext. 101

Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC

Name

7451 183rd Street

Street Address

Tinley Park IL 60487 Cook

City State Zip County

Len McEnergy 708-444-0117

Contact Person Phone

CONTRACTOR

IL002275

License Number

Anderson Pump Service, Inc.

Name

19659 South 97th Avenue

Street Address

Mokena IL 60448

City State Zip

Ron Anderson 708-478-6190 Ext. 222

Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	UL Number	Install Date
1	20,000	Gasoline - Regular	53055212	8/7/2020
2	6,000	Gasoline - Premium	53055209	8/7/2020
3	12,000	Diesel Fuel	53055209	8/7/2020
4	10,000	E-85	553055209	8/7/2020

SECTION A. TESTING OF TANKS

Scheduled on - Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

Primary Tank Test: Select...

Secondary Tank Test: Select...

SECTION B. TANK INSTALLATION

Scheduled on 8/7/2020 -

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|--|---------------------------|-----------------------|
| 1. Is equipment, manufacturer, model, and materials the same as approved on permit | <input type="radio"/> | <input type="radio"/> |
| 2. Was tank damaged during shipping/installation | <input type="radio"/> | <input type="radio"/> |
| 3. Was anchoring used and properly installed | <input type="radio"/> | <input type="radio"/> |
| 4. Does location of excavation match permit drawing | <input type="radio"/> | <input type="radio"/> |
| 5. Are excavation walls properly sloped or stair stepped back | <input type="radio"/> | <input type="radio"/> |
| 6. If tank is used, is certification on site | N/A <input type="radio"/> | <input type="radio"/> |

SECTION C. PRIMARY PIPING AIR TEST

Scheduled on 9/28/2020 8:30 AM - 10:30 AM

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|---|----------------------------------|----------------------------------|
| 1. Was primary piping pressurized for 30 minutes at required pressure and all connections tested (includes vents) | <input checked="" type="radio"/> | <input type="radio"/> |
| 2. Is piping type installed, same as permit | <input checked="" type="radio"/> | <input type="radio"/> |
| 3. Was piping or coating damaged | <input type="radio"/> | <input checked="" type="radio"/> |
| 4. Did STSS verify all certified employees, non-certified workers and subcontract excavation operators possess their 40 hour General Site Worker Program identification card and valid refresher cards? | <input checked="" type="radio"/> | <input type="radio"/> |
| 5. Did STSS verify the certified employee possessed a wallet card verifying successful passage of OSFM approved exam? | <input checked="" type="radio"/> | <input type="radio"/> |

Name of certified employee: Clayton Ary

Date certification expires: 8/6/2021

SECTION D. SECONDARY PIPING TEST

Scheduled on 10/1/2020 -

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|---|----------------------------------|----------------------------------|
| 1. Was secondary piping pressurized for 30 minutes at required pressure | N/A <input type="radio"/> | <input checked="" type="radio"/> |
| 2. Type of system installed is European Suction (Secondary containment is not required) | <input type="radio"/> | <input checked="" type="radio"/> |
| 3. Did STSS verify all certified employees, non-certified workers and subcontract excavation operators possess their 40 hour General Site Worker Program identification card and valid refresher cards? | <input checked="" type="radio"/> | <input type="radio"/> |
| 4. Did STSS verify the certified employee possessed a wallet card verifying successful passage of OSFM approved exam? | <input checked="" type="radio"/> | <input type="radio"/> |

Name of certified employee: Clayton Ary

Date certification expires: 8/6/2021

SECTION E. SECONDARY CONTAINMENT TEST

Scheduled on **10/1/2020** **8:30 AM** - **10:30 AM**

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

Y N

- 1. Were all newly installed containments hydrostatically tested Y N
- 2. Did STSS verify all certified employees, non-certified workers and subcontract excavation operators possess their 40 hour General Site Worker Program identification card and valid refresher cards? Y N
- 3. Did STSS verify the certified employee possessed a wallet card verifying successful passage of OSFM approved exam? Y N

Name of certified employee: Clayton Ary

Date certification expires: 8/6/2021

SECTION F. SPILL CONTAINMENT AND OVERFILL

Did Not Verify Y N

- 1. Are spill containment manholes being installed Y N
- 2. Are drop tube overfill devices being installed Y N
- 3. Are overfill alarms being installed Y N

SECTION G. VENTS

Did Not Verify Y N

- 1. Does each tank have a dedicated vent line Y N
- 2. Does the vent line have an updraft cap Y N

SECTION H. PRECISION TEST

Scheduled on **12/11/2020** -

Y N

- 1. Verified that Precision Test performed? Y N

2. If so: Company Name: Tanknology

IL #: 2089

Test Date: 12/11/2020

Results: Pass Fail N/A

- 3. Results performed and signed by a certified employee? N/A Y N

Name of certified employee: Timothy McPhee

Date certification expires: 6/8/2022

Remarks:

SECTION I. FINAL INSPECTION

Scheduled on **12/15/2020** **8:30 AM** - **10:30 AM**

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

Y N

- 1. Final inspection has been completed and all permitted components installed, appears to be functioning normally
- 2. Did STSS verify all certified employees, non-certified workers and subcontract excavation operators possess their 40 hour General Site Worker Program identification card and valid refresher cards?
- 3. Did STSS verify the certified employee possessed a wallet card verifying successful passage of OSFM approved exam?

Name of certified employee: Clayton Ary

Date certification expires: 8/6/2021

Remarks:

12/15/2020

X Charles Southern

Signed by: CHARLES SOUTHERN

Storage Tank Safety Specialist (Signature)



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Containment Sump Testing Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL002275

Contractor Name Anderson Pump Service, Inc.
Address 19659 South 97th Avenue
Mokena, IL 60448
Phone Number (708) 478-6190

Tests

Tank 1 20,000 gal Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 1 20,000 gal Gasoline - Regular - Spill Contain Device - Double Wall Spill Bucket

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 2 6,000 gal Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 2 6,000 gal Gasoline - Premium - Spill Contain Device - Double Wall Spill Bucket

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 3 12,000 gal Diesel Fuel - Piping - Single Wall STP/Tanktop Sump

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 3 12,000 gal Diesel Fuel - Spill Contain Device - Double Wall Spill Bucket

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 4 10,000 gal E-85 - Piping - Single Wall STP/Tanktop Sump

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Tank 4 10,000 gal E-85 - Spill Contain Device - Double Wall Spill Bucket

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Dispenser 1/2 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic
Test Result Pass
Test Date 10/01/2020

Dispenser 3/4 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 5/6 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 7/8 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 9/10 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 11/12 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 13/14 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 15/16 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 17/18 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 19/20 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 21/22 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 23 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 23/24 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 24/25 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Dispenser 26 - Dispenser - Single Wall UDC Sump

Type of Test Initial Install Hydrostatic

Test Result Pass

Test Date 10/01/2020

Test Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Test

Employee Name

Ary, Clayton

Title

Pipe Fitter

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Containment Sump Testing Report Form has been completed as required by OSFM rules.

Submitter Name Hoyt Ary

Phone Number (708) 906-6178

Email hoyt@andersonpump.com



State of Illinois
Office of the State Fire Marshal

Checklist for Documenting UST Compatibility

SUBMIT THIS FORM WITH SUPPORTING DOCUMENTATION ATTACHED.

ALL COMPONENTS MUST BE LISTED IN DETAIL, & COMPATIBILITY DOCUMENTATION MUST CLEARLY IDENTIFY THE COMPONENTS.

Facility where equipment is located:

Facility Number: 2047018
 Facility Owner: LENNY'S FOOD N FUEL 183RD STREET LLC
 Facility Name: LENNY'S FOOD N FUEL 183RD STREET LLC
 Street Address: 7451 183RD STREET
 City: TINLEY PARK
 County: WILL

UST Information:

Tank ID Number: 4
 Tank Material: Steel _____
 FRP
 Single Wall _____ Double Wall
 Tank Volume: 18000
 Tank Product: E85

Complete the checklist below, listing compatibility determination, method used and description. **All answers must be "YES" and supported with a sufficient description or supporting documentation** in order for your UST system to demonstrate compatibility with the blended fuel/biofuel product.

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
TANK	NO	<input checked="" type="radio"/> YES		DOUBLE WALL COMPARTMENT TANK CONTAINMENT SOLUTIONS
PIPING (incl. shear valves, flex connectors)	NO	<input checked="" type="radio"/> YES		AMERON DUALOY 3000 LCX
CONTAINMENT SUMPS	NO	<input checked="" type="radio"/> YES		BRAVO TANK SUMP B400 BRAVO DISPENSER SUMP B1000
PUMPS (STPs/Suction; Dispensers, hoses, nozzles)	NO	<input checked="" type="radio"/> YES		FE PETRO GILBARCO DISPENSERS 3+1

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
RELEASE DETECTION EQUIPMENT	NO	<u>YES</u>		VEEDER ROOT TCS350 plus WITH PROBE, NON DISCRIMINATING SENSORS AND PULD
SPILL PREVENTION EQUIPMENT	NO	<u>YES</u>		FRANKLIN FUELING Double wall
OVERFILL PREVENTION EQUIPMENT	NO	<u>YES</u>		OPW 7150M Drop tube
GASKETS & SEALS (installs after 10/13/18)	NO	<u>YES</u>		FRANKLIN FUELING Flex CONNECTORS
JOINT DOPES & ADHESIVES (installs after 10/13/18)	NO	<u>YES</u>		GRASOLA E SEAL


Methods:

- A. Certification or listing of UST system equipment or components by a nationally recognized, independent testing laboratory for use with the regulated substance stored.
- B. Equipment or manufacturer approval. The manufacturer's approval must be in writing, indicate an affirmative statement of compatibility, specify the range of biofuel blends the component is compatible with, and be from the equipment or component manufacturer

Note: Owners and operators may find American Petroleum Institute's Recommended Practice 1626, *Storing and Handling Ethanol and Gasoline-Ethanol Blends at Distribution Terminals and Filling Stations*, useful in complying with the compatibility requirements.

In order to be in compliance with the 2015 federal UST regulation compatibility requirements for storing biofuels, you must keep documentation of compatibility of the UST system components listed on this page as long as you store the fuel.

For your records, you should update this checklist each time you repair or replace components of your UST system to ensure you have all the required compatibility documentation while storing biofuels.

Checklist Completed By: print name: STEPHEN M. KYL date completed: 3-13-20
signature:  position/title: PROJECT MANAGER

Magnetostrictive Probes for Alternative Fluids

Certified performance for inventory control and in-tank leak detection in fuel blends up to 100% alcohol

Veeder-Root offers two types of Magnetostrictive Probes for Alternative Fluids to provide highly accurate, trouble-free in-tank leak detection and inventory control in fluids of up to 100% alcohol. The Magnetostrictive Probe for Alternative Fluids with water detection is ideal for fuel blends with less than 20% alcohol. The Magnetostrictive Probe for Alternative Fluids without water detection has been developed for fluids up to 100% alcohol.

Series 8463 0.1 GPH Mag Probe for Alternative Fluids

The 0.1 GPH Mag Probe for Alternative Fluids has been third-party tested and certified to perform far better than the U.S. E.P.A. standards for both 0.1 GPH volumetric tank tightness testing and 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

0.1 GPH Mag Probe and CSLD — Leak detection without shutting down your tanks!

CSLD, Continuous Statistical Leak Detection, is an advanced tank testing technology that makes full use of the TLS-300 and TLS-350(R)'s in-tank monitoring capabilities. CSLD eliminates the need for tank shutdown to perform a leak test — no lost business, no lost operating time!

The TLS-300 and TLS-350(R) equipped with CSLD use the 0.1 GPH Mag Probe to continuously monitor fuel height and temperature information to detect idle times in the tank. During each idle time, data collected forms a highly accurate leak detection database. Sophisticated statistical analysis techniques in CSLD constantly evaluate the database to discard invalid data and perform leak tests based on only high-quality information in the current database. In fact, a new leak test is performed every time new data from an idle period is added.

Series 8463 0.2 GPH Mag Probe for Alternative Fluids

The 0.2 GPH Mag Probe for Alternative Fluids provides the same reliable inventory control features and fluid compatibility as the 0.1 GPH Mag Probe for Alternative Fluids, but offers 0.2 GPH leak detection at a lower cost.

The 0.2 GPH Mag Probe for Alternative Fluids has also been third-party tested and certified to exceed U.S. E.P.A. standards for 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

Approved for Aboveground Tank Applications

Veeder-Root Magnetostrictive Probes are approved for use in aboveground storage tanks to monitor fuel inventory. An AST installation Kit (Form Number 312020-984) is required for these applications and is available from Veeder-Root, Customer Service 800-873-3313 or your authorized Veeder-Root distributor.

Features & Benefits

- Non-corrosive, stainless steel tubing for long-life monitoring in fuels up to 100% alcohol
- Highly accurate Magnetostrictive measurement technology
- Fast accurate leak tests
- 0.1 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.1 GPH Volumetric Tank Tightness Testing
- 0.1 GPH Mag Probe for Alternative Fluids is compatible with TLS-300 and TLS-350R with CSLD for continuous statistical leak detection
- 0.2 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.2 GPH Automatic Tank Gauging
- 2", 3" and 4" Float Kits available

Magnetostrictive Probes for Alternative Fluids are available in 0.1 GPH and 0.2 GPH Versions



Electronic Line Leak Detectors

Application Guide

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TOKHEIM	585-13 (1/3 HP)	YES	NO
	585-34 (3/4 HP)	YES	NO
	585-150 (1-1/2 HP)	YES	NO
BENNETT	ALL	YES	NO
4-INCH VARIABLE SPEED MODELS		DPLLD/PLLD	WPLLD
RED JACKET	STD and AG with CPT (2 HP) ^{1,2}	YES	NO
	QUANTUM P200U202Y QS1 - QS3 CPT (2 HP)	YES	NO
	QUANTUM AGP200T202Y QS1 - QS3 CPT (2 HP)	YES	NO
	THE RED JACKET P200U20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET AGP200T20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET VSFC ¹	YES	NO
FE PETRO	IST (2 HP) ¹	YES	NO
	STP VS2, STPAG VS2 (2 HP)	YES	NO
	STPRVS4, ISTVS4 AG	YES	NO
	STPMRVS4, ISTMVS4 AG	YES	NO
6-INCH HIGH CAPACITY MODELS		DPLLD/PLLD	WPLLD
RED JACKET - MAXXUM	MAXXUM MXP300 (3 HP)	YES ³	NO
	MAXXUM MXP500 (5 HP)	YES ³	NO
RED JACKET - BIG-FLO	P100H1 - 1MB (1 HP)	YES ⁴	NO
	P150H1 - 1HB (1-1/2 HP)	NO	NO
	P200H1 - 2MB (2 HP)	YES ⁴	NO
	P200H3 - 2MB (2 HP)	YES ⁴	NO
	P300H3 - 2HB (3 HP)	YES ⁴	NO
	P500H3 - 2K (5 HP)	YES ⁴	NO
FE PETRO	STP3, STPAG3 (3 HP)	YES ^{4,6}	NO
	STP5, STPAG5 (5 HP)	YES ^{4,6}	NO
	STP5H (5HP)	YES ^{4,6}	NO
APPLICATIONS		DPLLD/PLLD	WPLLD
SIPHON/MANIFOLDED TANKS		YES	YES
MANIFOLDED LINES		YES	YES
ELECTRONIC BLENDERS		YES	YES
MECHANICAL BLENDERS		YES ⁵	NO

¹See Site Preparation and Installation manual for supported settings.

²Requires TLS-350 Version X19 or later software and CPT Transducer Adaptor Kit (Red Jacket P/N 144-326-5).

³USER DEFINED pipe type must be used for precision (0.2 and 0.1 gph) testing.

⁴3.0 gph only testing.

⁵Requires TLS-350 Version 29C or later software (PLLD).

⁶Requires Model 'R' Relief Valve.

Line Volume Limits

Console Type	Transducer Type	Piping Type	3.0 GPH Certified Volume (Gal.)	0.2 GPH Certified Volume (Gal.)	0.1 GPH Certified Volume (Gal.)
SERIES 860091-X01 TLS-450PLUS CONSOLES W/SOFTWARE VERSION 7E OR HIGHER	Series 8590-DPLLD	Rigid	1178.6	1178.6	165.08
		Flexible	1178.6	1178.6	109.84
		Hybrid (Flex & Rigid)	1178.6	1178.6	267.8
SERIES 860090-100 TLS-450 CONSOLES		Rigid	425.84	165.08	165.08
		Flexible	109.84	109.84	109.84
		Hybrid (Flex & Rigid)	535.68	267.8	267.8
SERIES 8482 TLS-350, -350PC, -350R, -350RPC, -350PLUS W/ SOFTWARE VERSION X19 OR HIGHER	Series 8484-PLLD	Rigid	212	119.4	119.4
		Flexible	212	119.4	119.4
		Hybrid (Flex & Rigid)	212	119.4	119.4

Veeder-Root Line Leak Application Guide

PIPE TYPE	TLS-4XX w/ DPLLD ^{6,7} (Length Feet)	TLS-360 w/ PLLD ¹ (Length Feet)	TLS-350 w/ WPLLD ² (Length Feet)	BULK MODULUS ³ (PSI)	VOLUME (Gallons/Foot)
FLEXIBLE PIPE - NUPI (Continued)					
TSMAD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	18900	0.092
2 INCH	30-3000	30-650	No	12500	0.163
3 INCH	30-3000	30-300	No	28200	0.367
TSMAXPD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	15500	0.092
2 INCH	30-3000	30-650	No	9200	0.163
3 INCH	30-3000	30-300	No	27800	0.367
FLEXIBLE PIPE - PETROTECHNIK					
PETROTECHNIK UPP EXTRA (63 mm)	20-3000	20-650	No	11,500	0.163
FLEXIBLE PIPE - TOTAL CONTAINMENT					
ENVIROFLEX RETRACTABLE PIPE					
PP1500 (1.5 INCH)	10-3000	10-1100	10-500	2400	0.092
PP1501 (1.5 INCH)	10-3000	10-1100	10-500	3500	0.092
PP1502 (1.5 INCH)	10-3000	10-1100	No	7300	0.092
PP1503 (1.5 INCH)	10-3000	10-1100	No	2500	0.092
PP2500 AND PP2501 (2.5 INCH)	No	No	No	—	—
PP2502 (2.5 INCH)	10-3000	10-430	No	8700	0.255
PP2503 (2.5 INCH)	10-3000	10-430	No	3100	0.255
OMNIFLEX COAXIAL PIPE					
CP1501 (1.5 INCH)	10-3000	10-1100	10-500	13,000	0.092
CP1503 (1.5 INCH)	10-3000	10-1100	No	4500	0.092
CP2503 (2.5 INCH)	10-3000	20-430	No	3900	0.255
FLEXIBLE PIPE - DOUBLE TRAC (OMEGA FLEX)					
UGF-FSP-16 (1.0 INCH)	30-500	30-500	No	31,000	0.058
UGF-FSP-24 (1.5 INCH)	30-3000	30-1100	No	31,000	0.116
UGF-FSP-32 (2.0 INCH)	30-3000	30-650	No	31,000	0.204

¹Mixed Piping Types with PLLD: Using TLS-350 software Version 23 or later, PLLD is certified for 3 gph-only testing for line volumes up to 212 gallons; and for 0.2/0.1 gph testing for line volumes up to 110 gallons. To determine the line volume for mixed piping types, multiply the line length (in feet) times the 'gallons/foot' value for each pipe type and add the results. For example, site has 150 feet of 2" fiberglass and 50 feet of 3" fiberglass pipe:

$$\text{Total line volume} = [150 \times 0.204] + [50 \times 0.461] = 30.6 + 23.1 = 53.7 \text{ gallons}$$

²The 0.2 and 0.1 gph line leak tests cannot be run on flex piping with WPLLD.

³Bulk Modulus entry is only applicable to TLS-350 consoles w/software Version 23 or later and all TLS-450 Series consoles. Refer to TLS-350 System Setup manual (P/N 576013-623) or TLS-450 Setup Manual (P/N 576013-940) for programming instructions.

⁴Geoflex piping produced prior to 2001 has a lower bulk modulus than the current product. For this piping (pre-2001) use the values in (.). For 2001 piping and later, you must set the correct Bulk Modulus in the "User Defined" menu.

⁵Western Fiberglass COFLEX piping produced prior to 2005 has a different bulk modulus than the current product. For piping produced prior to 2005, use the values in (.).

⁶Line lengths shown represent DPLLD approved lengths for 3 gph and 0.2 gph testing. 3.0 gph and 0.2 gph testing for DPLLD with software version 7E or higher is certified for line volumes up to 1178.6 gallons (not to exceed 3000 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

⁷0.1 gph testing is certified for line volumes up to 535.6 gallons (not to exceed 1100 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

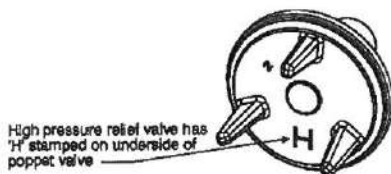
Check Valve Requirements

DPLLD, PLLD and WPLLD require certain check valves or Pressurstat assemblies to be installed on the pump. Use of non-compatible check valves can result in loss of leak detection performance.

Supported Pumps	Check/Relief Valve Type	3.0 GPH Only Testing (Req'd. Kit)	3.0, 0.2, 0.1 GPH Testing (Req'd. Kit)	Additional Req'd. Parts for Manifoldded Lines (Single Tank w/ 2 STPs, or 2 or More Tanks w/ STP in Each)
DPLLD/PLLD Applications				
The Red Jacket	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Check Valve for Each Slave Pump P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Quantum SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 388-081-5 (Field Installed Only)
	Red Jacket SpikeCheck Valve (Field Only Installed) P/N 388-080-5	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	
	Red Jacket Pressurstat Assembly.	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
Standard (All Models)	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Functional Element Assembly	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	
	Red Jacket SpikeCheck Valve (Field Installed Only) P/N 410557-001	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Standard SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 410557-002 (Field Installed Only)
Maxxum	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	See Note 4 below.
Big-Flo	Pressurstat Kit P/N 144-314-5		(See Note 3 below)	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 4 below)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)
	FE Petro Model R Relief Valve P/N 401330902			
Tokheim & Bennett	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
WPLLD Applications				
The Red Jacket	None Required	849490-006	849490-006	High Pressure Check Valve for Each Slave Pump, P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	849490-005 (Except CPT)	849490-005 (Except CPT)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Pressurstat Assembly	849490-005 (Except CPT)	— Not supported —	
Standard (All Models)	SwiftCheck	849490-002 (Except CPT)	849490-002 (Except CPT)	
	Red Jacket Functional Element Assembly	849490-003 (Except CPT)	— Not supported —	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 5 below)	849490-001	849490-001	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)

NOTES:

1. The Veeder-Root High Pressure Check Valve (P/N 410153-002) is shown below:



- For Red Jacket Quantum pumps, the SpikeCheck is the preferred check valve type.
- 0.2/0.1 gph testing is supported for the Maxxum pump, but you must select 'User Defined' as the pipe type during DPLLD or PLLD setup.
- If maximum pump pressure is NOT a minimum of 5 psi below the pressurstat relief setting, then a check valve must be installed in the discharge line of the slave pump (see "Manifoldded Line Applications" on page 12).
- Veeder-Root does not warrant the performance of FE Petro's Model 'R' check valve or 65 psi relief check valve.

TLS-350 Consoles - PLLD

Hardware Required for PLLD Leak Detection

PRESSURIZED LINE LEAK DETECTOR (PLLD)

Order one per line.

MODEL NO.	ITEM
848480-003	PRESSURIZED LINE LEAK DETECTOR WITH SWIFTCHECK VALVE
848480-001	PRESSURIZED LINE LEAK DETECTOR WITHOUT SWIFTCHECK VALVE

PLLD MODULES

•TLS-350/TLS-350 Plus/TLS-350R Consoles - Leak Detection for up to 6 Lines

One Pressurized Line Leak Detector Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-001	SIX INPUT PRESSURIZED LINE LEAK INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

•TLS-350J Consoles - Leak Detection for up to 4 Lines

One 'J' PLLD Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-002	'J' PLLD INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

PLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350/TLS-350J/ TLS-350PLUS/TLS-350R WITHOUT BIR	TLS-350R WITH BIR
	(SEM P/N)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM is not required for 3 GPH-only testing.

PLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

TLS-350 Consoles - WPLLD

Hardware Required for Wireless Pressurized Line Leak Detection (WPLLD)

WIRELESS PRESSURIZED LINE LEAK DETECTOR (WPLLD)

Order one per line.

MODEL NO.	ITEM
849490-001	WPLLD KIT - FOR FE PETRO PUMPS ¹
849490-002	WPLLD KIT WITH SWIFTCHECK VALVE - FOR RED JACKET PUMPS (EXCLUDING QUANTUM) ²
849490-003	WPLLD KIT - 3 GPH ON RED JACKET PUMPS (EXCLUDING QUANTUM) ³
849490-004	WPLLD KIT W/O SWIFTCHECK VALVE FOR RED JACKET PUMPS (EXCLUDING QUANTUM)
849490-005	WPLLD KIT - FOR RED JACKET QUANTUM PUMPS ⁴
849490-006	WPLLD KIT - FOR THE RED JACKET PUMP

¹Contains Line Leak Sensor, and installation kit for FE Petro pumps. Requires FE Petro Model R Check Valve, P/N 400988932.

²Contains Line Leak Sensor, SwiftCheck valve, and installation kit for Red Jacket pumps.

³Supports 3 GPH testing only. Contains Line Leak Sensor, and installation kit for Red Jacket pumps. Requires Red Jacket's Functional Element Assembly models 323-001-5 or 323-002-5. Does not support precision (0.2 GPH or 0.1 GPH) line testing.

⁴Contains Line Leak Sensor and installation kit for Red Jacket Quantum pumps. Requires purchase of SpikeCheck valve, P/N 388-080-5, from Red Jacket.

WPLLD MODULES

One of each module from the table below is required. Order additional WPLLD Controller modules (P/N 330841-001) as required - each Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330874-001	WPLLD AC INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330883-001	COMMUNICATIONS MODULE (MAXIMUM 1 PER CONSOLE)
330841-001	WPLLD CONTROLLER MODULE (MAXIMUM 3 PER CONSOLE*)

*Maximum of 2 WPLLD Controller module per TLS-350J console

WPLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350 / TLS-350J / TLS-350PLUS /	TLS-350R (WITH BIR)
	TLS-350R (W/O BIR)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM not required for 3 gph testing.

WPLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

Special Installations

Manifolded Line Applications

DPLLD, PLLD and WPLLD leak detection systems can handle product lines supplied by multiple tanks and pumps, to a maximum of 8 tanks and pumps per product line.

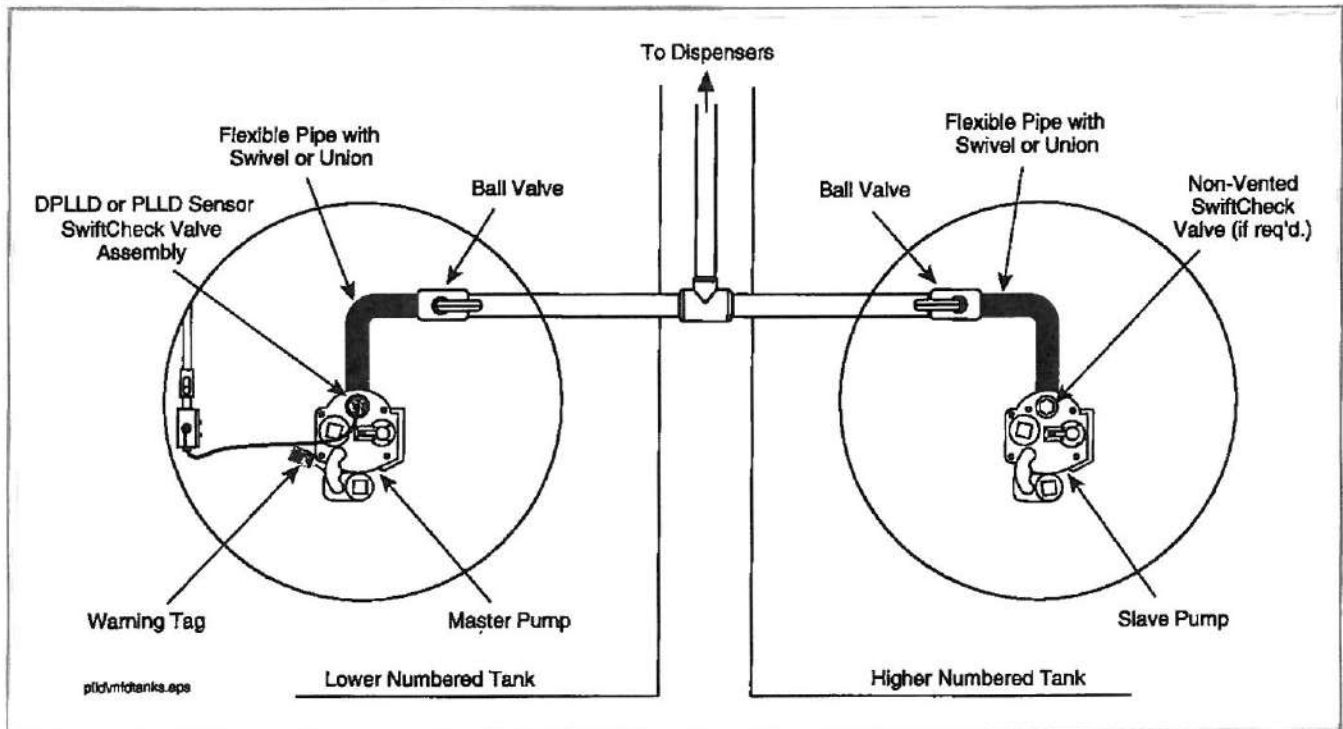
Standard line leak sensing and check valve equipment should be installed at the primary pump.

To perform 0.2 and 0.1 gph tests, a non-vented SwiftCheck valve (P/N 330020-416), or new Red Jacket 65 psi relief valve (P/N 410153-002), or SpikeCheck Valve Non-PSI Relief Valve for Standard Pump (P/N 410557-002), or FE Petro 65 psi Relief Check Valve (FE P/N 402459931) should be installed on each of the other pumps supporting the manifolded product line. The Non-Vented SwiftCheck Valve is rated to a maximum 70 gpm.

NOTICE For 5 HP Maxxum pumps in diesel, an additional in-line check valve with no pressure relief should be installed on the 'Slave' pump to prevent backflow.

A relay on a Four-Relay module or I/O Combination module (TLS-350 Series) or I/O Module (TLS-450 Series) must be available to control each secondary pump. The standard line leak modules will provide pump control output for the primary pump and the "Pump In" signal for the set.

A typical manifolded line installation for DPLLD and PLLD is shown below:



Transducer Installation - Red Jacket CPT and Quantum CPT Pumps

This installation procedure is to be used with Red Jacket CPT and Quantum CPT Pumps.

1. Install the Red Jacket CPT Transducer Adapter Kit (Red Jacket part number 144-326-5) following the instructions with the kit. Thread the PLLD transducer in the mechanical LLD port of the pump.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

The figure below illustrates two DPLLD and PLLD transducer installations in Red Jacket CPT pumps - consult "Check Valve Requirements" on page 6, to determine what check valve you will need to install to perform your intended level of testing.

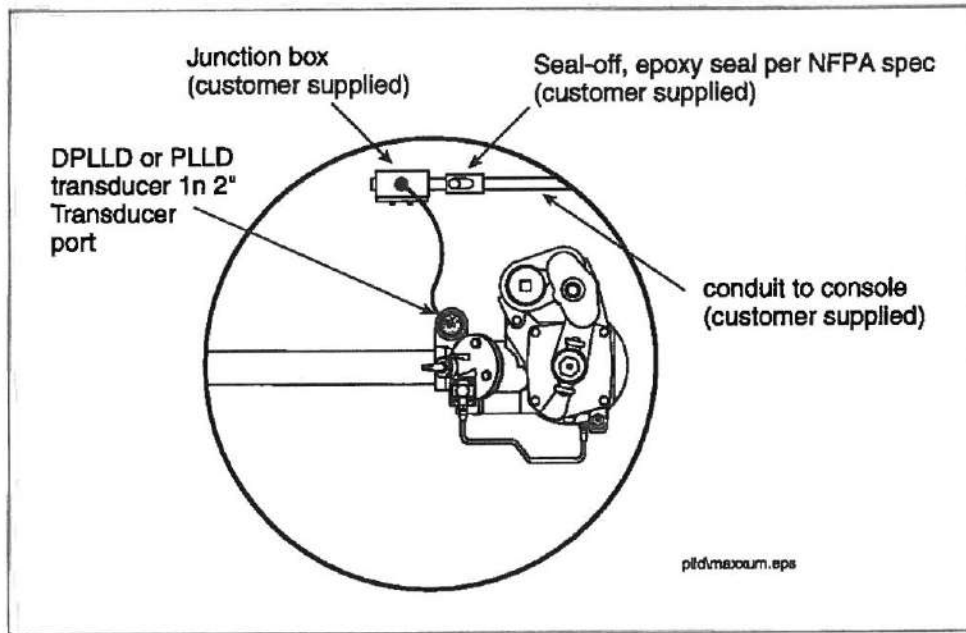
2. Verify that the TLS-350 Series Console has Version x19 or later (TLS-450 Series Console has Version 1 or later) software.
3. Verify that the CPT Controller has Version 1.02 or later software installed.

MAXXUM PUMPS

1. Thread the DPLLD or PLLD transducer into the 2-inch opening of the transducer port.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

2. If any in-line check valves or a Big-Flo Diaphragm Valve are installed in the line, they must be removed.
3. Verify that the TLS 350 Series Console has Version x19 or later software (TLS-450 Series Consoles Version 1 or later software).



FE PETRO HIGH CAPACITY PUMPS

1. Install a reducing tee (customer supplied) in either of the 3-inch discharge ports of the pump with the 2-inch port facing up.
2. Thread the D/PLLD transducer into the 2-inch port on the tee fitting.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

3. Install a model "R" relief valve into the pump if one is not already present.

Frequently Asked Questions:

Gilbarco Veeder-Root Encore[®] Flexible Fuel Dispenser (E85 Ethanol MPD's and Blenders)

Which models of Gilbarco Veeder-Root dispensers are now Underwriter's Laboratory approved under UL 87A for use with E85 ethanol fuel?

The Encore models now UL LISTED for use with E85 fuel are listed below with the Flexible Fuel option included. All Encore MPD units manufactured after **June 24, 2010** and Blender units manufactured after July 30, 2010 with the Flexible Fuel option will have the UL mark displayed on the serial plate label.

Model Description

MPD 1-Grade Dispenser (Encore S & E300)
MPD 2-Grade Dispenser (Encore S & E300)
MPD 3-Grade Dispenser (Encore S & E300)
MPD 4-Grade Dispenser (Encore S only)
Single Hose +1 MPD (only +1 on the Encore S)
Blender Dispenser 2+1 (blended grades on the Encore S)
Blender Dispenser 2+1 (only +1 on the Encore S & E300)
Blender Dispenser 3+0 (blended grades on the Encore S)
Blender Dispenser 3+1 (blended grades on the Encore S)
Blender Dispenser 3+1 (only +1 on the Encore S & E300)
Blender Dispenser 4+0 (blended grades on the Encore S)
Blender Dispenser 4+1 (blended grades on the Encore S)
Blender Dispenser 4+1 (only +1 on the Encore S & E300)
Blender Dispenser 5+0 (blended grades on the Encore S)
Multi-Hose +1 Blender Dispenser (only +1 on the Encore S)

Note: With the addition of the Flexible Fuel option these models are also approved for use with E25.

What is the benefit associated with the UL Listing on Encore blender dispensers?

In some areas of the country fuel marketers are already familiar with using blender dispensers to deliver blended ethanol fuel. By doing so, they're not only bringing a new fuel to the market, they are also able to become a "blender of record". In most cases, the "blender of record" status qualifies them to claim the Federal Tax Credit of .51 cents per gallon of ethanol dispensed. Check with you local tax authority to see how you could take advantage of this opportunity.

What hanging hardware is LISTED for use with E85 fuel?

Information on the required LISTED hanging hardware is outlined below. This data has been updated with the corrected manufacturer's part number and corresponding Gilbarco numbers. You will also be able to find this outlined in the Encore Owner's, Installation, and Service manuals. All Gilbarco Veeder-



be properly evaluated in the field for the following reasons:

1. UL would be unable to certify that the internal gaskets / seals used in the meter and for all of the connections are of the specific type specified in the E85 UL file, and
2. the product falls outside the scope of expertise of the Field Evaluation Services group at UL.

How do I obtain approval from the local authorities having jurisdiction to continue using my E85 Flexible Fuel dispenser without the UL label?

Currently, UL will not allow the UL Mark to be retrofitted onto an E85 dispenser. As discussed previously, this is due to the uncertainty of internal components that may have been changed since the unit was put into service. Therefore, a customer that requires evidence that the unit was originally built with E85 compatible components may contact Gilbarco Veeder-Root Encore Marketing for this documentation.

Are the newly UL LISTED E85 Flexible Fuel dispenser models also approved by the National Conference of Weights and Measures?

Yes, Gilbarco Flexible Fuel models are approved by the National Conference of Weights and Measures. The certificate # is 02-019A16.

Does Gilbarco have retrofit kits available and approved for upgrading standard dispensers to E85?

Gilbarco has submitted retrofit kits to Underwriter's Laboratory for evaluation.

What is Gilbarco Veeder-Root's Warranty on the E85 Flexible Fuel dispenser?

The Gilbarco Veeder-Root standard 2 year dispenser warranty coverage will apply to E85 Flexible Fuel dispensers as shown in the table below.

Gilbarco Veeder-Root Warranty Coverage by Fuel Type

Products	Up to E15	E25	E85
Encore S	All Models	Flexible Fuel models*	Flexible Fuel models*
Encore 300	All Models	Flexible Fuel models*	Flexible Fuel models*
Legacy®	All Models	none	none
Gasboy®	All Models	none	none

* Specific Flexible Fuel models can be found in the GPL-1500 pricebook on page 9 and in the latest Encore Product Brochure

Final Note: See Gilbarco Veeder-Root document, SP-3410 for more information regarding the blend wall and EPA's possible move to approve E15 as a standard motor fuel in the US and its use with standard Gilbarco dispensing equipment.

[Home](#) → [Products](#) → [Pipe Thread Sealants](#) → [Gasoila® E-Seal Thread Sealant](#)



Gasoila® E-Seal Thread Sealant

GASOILA
CHEMICALS



Non-hardening, non-toxic, opaque, dark green paste designed specifically for ethanol blended gasoline including E10 and E85 (for 100% ethanol or 100% methanol applications - use Gasoila 100).

Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, fuel lines and couplings.

For use on brass, copper, stainless steel, aluminum, black pipe, tin and galvanized pipe.

Excellent resistance to gasoline, ethanol blended gasoline such as E10 and E85, petroleum solvents, kerosene diesel oil, BioDiesel propane, jet fuels, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam and potable water.

NOT for use on oxygen.

Temperature Range: -100°F to 600°F (-74°C to 318°C).

Pressure Range: Up to 10,000 psi when sealing liquids and up to 3,000 psi with gases.

One year shelf life.

Distributors

Translated Information for Download



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[Data Sheets](#)

FPC Stock Code	Container Size	Units per Case
GE04	1/4 pt. Brush	24
GE08	1/2 pt. Brush	24
GE16	1 pt. Brush	12



FIBERGLASS-COMPOSITE PIPE GROUP

Group Headquarters
9720 Cypresswood Drive, Suite 325
Houston, Texas 77070
Telephone: 832.912.8282
Fax: 832.912.9393

August 30, 2011

Subject: Bio-Fuel Compatibility

To Whom It May Concern:

Ameron Dualoy[®] 3000/L and 3000/LCX fiberglass piping systems (pipe, fittings and adhesive) are compatible with all concentrations of ethanol and ethanol blended fuels, from 0% to 100% ethanol content in gasoline.

The Dualoy product lines are also compatible with all concentrations of methanol blended fuels and all concentrations of bio-diesel.

Ameron Dualoy products are the only fully Listed systems for all applications, fuels and product types by Underwriters Laboratories Standard 971-2004.

Dualoy products were the first Listed by UL for full alcohol compatibility in 1988. Prior to that date, UL did not offer a Listing for alcohol blended fuels, although legacy Dualoy products prior to the Listing were compatible with ethanol and all concentrations of ethanol blended fuels.

For questions or other information needs, please contact Joie L. Folkers – Vice President Sales & Marketing at the above address or phone number or at jfolkers@ameron.com.

Respectfully submitted,

A handwritten signature in blue ink that reads 'Joie L. Folkers'.

Joie L. Folkers
Vice President Sales & Marketing
Ameron International
Fiberglass-Composite Pipe Division-USA

JLF/vo





S. Bravo Systems, Inc.
2929 Vall Avenue
Commerce, CA 90040
1-800-AT-BRAVO
www.sbravo.com

Wednesday - August 25 - 2010

R3 10.21.13

RE: Bravo Fiberglass Sumps and Alternative fuels

This letter is to certify the compatibility of Bravo (S. Bravo Systems, Inc.) Single and Double Wall Fiberglass Containment Sumps with Alternative Fuels such as Biodiesel and Ethanol blended fuels. It also addresses compatibility with DEF Diesel Exhaust Fluid.

Bravo Fiberglass products are engineered with the same UL Listed materials used in the manufacture and certification of Fiberglass Tanks, matching the UL Standard 1316. Since our Fiberglass containment sumps are Built like a Tank, they can withstand continuous fuel exposure to Biodiesel, Ethanol and Alcohol blends without failure.

All DoubleWall Containment Sumps are engineered to be fully compliant with the California State Water Resource Control Board Assembly Bill AB-2481 for DoubleWall Sumps and Continuous Monitoring Systems.

The following Single and Double Wall Containment Sumps manufactured by Bravo Systems in Commerce, California are compatible with Biodiesel and Ethanol fuel blends up to B100 and E100, respectively.

- > B3XX Series Spill Buckets
- > B4XX Series Tank Sumps & Covers
- > B5XX Series Planter Transition Sumps
- > B6XX Series Walkover Transition Sumps
- > B7XX Series H-20 Rated Transition Sumps
- > B8XX Series Transition Sumps
- > B1XXX Series UDC Sumps
- > B7XXX Series UDC Sumps
- > B8XXX Series UDC Sumps
- > B9XXX Series UDC Sumps

Bravo Systems also certifies that these products are compatible with and approved for use in secondary containing DEF Diesel Exhaust Fluid.

Each respective Series may be UL Listed in addition to being manufactured of UL recognized materials approved for use in the manufacture of Fiberglass UST tanks. Any other relevant documentation will be located in the documents area of each product's respective webpage.

Please feel free to contact us with any questions you may have at 800-AT-BRAVO.

Additionally, you may find further information at www.sbravo.com.

Sincerely,

Jonathan E. Smith
Director of Brand Management
S. Bravo Systems, Inc.





Engineering Report

Underground Tank Alcohol Compatibility

William A. Schneider
9/25/03

All Containment Solutions Inc. (CSI) single and double wall fuel tanks manufactured since the inception of CSI on 1/1/1995 are listed by Underwriters Laboratories Inc. under UL Standard 1316 (*Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*) for the storage of "Petroleum Products, Alcohols and Alcohol-Gasoline Mixtures" under UL file MH7991..

The listing includes gasoline, gasoline-ethanol blends at any level of ethanol, gasoline-methanol blends at any level of methanol, 100% ethanol, and 100% methanol.

On 1/1/95, CSI purchased the assets of Owens Corning (OC) who previously developed and then manufactured fiberglass reinforced plastic underground storage tanks for fuel storage starting in the mid 60's. Documents produced by OC concerning the alcohol compatibility of their tanks are available from Owens Corning.



FIREFLEX FLEXIBLE CONNECTORS

Since their introduction in 1995, FLEX-ING™ FIREFLEX Flexible Connectors have quickly become the industry standard and benchmark for quality as a means to easily connect pipework system to other systems components such as submersible pumps or shear valves. The benefit of their use is undeniable. They have quickly become an integral part of any installation. Installers love their ease of installation while station owners have come to depend on their durability and how easy they make regular maintenance. With tons of available options, Franklin Fueling Systems has the right connector to fit any application.

Highlights

Flexibility is Key

When it comes to Flexible Connectors, flexibility is key. The tight working conditions found in dispenser and tank sumps provide little room for installers to work, motivating some manufacturers of flexible connectors to sacrifice overall strength for flexibility. With FLEX-ING™ FIREFLEX Flexible Connectors, there's no need to compromise. Their corrugated fuel contact layers feature a 25% thicker metal construction and gain flexibility from having more corrugations per foot rather than thinner walls.

Quality Construction

Enclosing the corrugated fuel contact layer is a stainless steel braid that is manufactured from only high-grade stainless steel. The precision braiding process used to manufacture the braid gives strength while still maintaining flexibility. These layers are tied together with a hand-welded coupler ring, and are factory pressure-tested for zero leaks.

Ready for Anything

FLEX-ING™ FIREFLEX Flexible Connectors are available in a multitude of end connections to ensure the right fit for any application - including tees, elbows and FRP transitions. Standard male and female end connections with integrated hex-head surfaces provide easy installation and tightening. The male swivel end connection option allows for the ultimate in ease of installation. The male swivel end connection option features a three-gasket, x-ring seal design. This adds up to a total of six seals, eliminating potential leak paths.

EZ Fit Flexible Connectors

The EZ FIT union style coupling system is specifically designed to make connections in confined spaces simple and tight. The entire flexible connector assembly can be quickly and easily disconnected and pulled out of the inline system without breaking pipe. This feature makes installation fast and regular maintenance simple to carry out. Each EZ FIT union style coupling comes complete with couplers and gaskets..

Specifications

- USA NFPA 30-A fire rated
- All metal construction means one flexible connector for both above and below ground applications
- An 18-8 alloy outer shell, 321 Stainless Steel inner core provides a long service life
- Thick, schedule 80 hex end fittings protect against deformation of the ends
- 100% pressure tested to assure quality
- UL 2039 listed for 50psi working pressure
- EZ FIT clamp and gasket are included with each assembly

Certifications

- UL 2039 listed for above and below ground installation; for use with gasoline, gas alcohol blends (up to E85), diesel and biodiesel.





THE DEFENDER SERIES® SPILL CONTAINMENT

The field-proven Defender Series® has gone toe-to-toe with the worst conditions the world's forecourts could throw at it and came out with a reputation for dependability and versatility. So how could you possibly improve upon the most dependable spill containment series on the market? For starters, we've integrated it into our rugged multiport platform and outfitted it for complete biofuel compatibility. The best defense just got better.

Highlights

Spills In, Water Out

The foremost function of a spill container is to keep spills in and keep water out all while enduring constant attack from weather, forecourt traffic and continuous fuel delivery handling. The rugged concrete ring, sturdy snow plow ring, integrated liquid dam and gasketed lid keep the Defender Series® capturing spills and repelling water intrusion for maximum protection of your liquid investment.

Ready for Anything

Regulations and requirements are constantly changing. The Defender Series® lets you choose a single wall spill containment option with the ability to upgrade to a double wall spill containment option in the future for twice the protection. The upgrade is simple and can be carried out without having to break concrete; an expense and hassle that no one wants to encounter.

Easy Installation and Retrofit

Let's face it; installations don't always go exactly as planned. Installers will love the variable height adjustment feature of the Defender Series®, which allows for 3 inches of adjustment in installation height, making it easy to ensure proper grade level installation. This feature also allows for easy replacement of most any other spill container in retrofit applications.

Interstitial Monitoring (double-wall versions only)

The peace of mind in knowing your double wall spill containment is performing as it should is priceless. The Defender Series® features two options, both mechanical and electronic, to receive immediate confirmation of the integrity of the interstitial space so you can spend less time worrying about the possibility of leaks.

Multiport Platform

Franklin has integrated the direct bury Defender Series® spill container into its multiport platform for a new level of protection and complete ease of access. With several layout configurations to choose from, the multiport platform lets you incorporate all of your spill containment into one space-saving area.

Multiport & Direct Bury Upgrade

With the multiport platform you have the option to choose single wall spill containers now with the freedom to upgrade to double wall in the future. When the time is right, simply unbolt the multiport top and replace the spill containers. Replacement is different for multi vs direct bury. In direct fill, you unbolt the plow ring and remove the bucket; on multiports you remove the large treadplate lid and change out the buckets.

Simple Maintenance

Maintenance with the Defender Series® is a breeze. With the direct bury models, you can easily replace interior containment without having to break concrete. The Defender Series® plow ring bolts are completely protected – located inside the interior of the container shielding them from the potential wear and tear of the forecourt environment.

Fully Biofuel Compatible

The Defender Series® incorporates only the highest-grade biofuel compatible components, which allow for use with petroleum, petroleum/alcohol blends (including E-85), diesel and biodiesel.



BIOFUEL

COMPATIBLE COMPLETE SYSTEMS

AG Model STPs Now UL Listed for E85 Applications

THE FUTURE OF THE FUELING
INDUSTRY IS NOW.

With many submersible turbine pump innovations and industry firsts already to its credit, FE Petro submersible turbine pumps from Franklin Fueling Systems are now UL listed for use in applications containing ethanol concentrations up to 85%.

In addition to great benefits like faster fueling times, safe and easy maintenance and simple servicing that FE Petro STPs already offer, now you can rest easy knowing you have an STP E85 application that is backed by a globally known and trusted safety certification resource. Franklin Fueling Systems has a full line of approved AG models to meet the varying needs of its customers.

Available AG Models

- Intelligent STPs
- 2 hp fixed speed STPs
- 1.5 hp fixed speed STPs
- 1/3 and 3/4 hp fixed speed STPs
- Fixed length STPs

Complete Biofuel Compatible Systems

Components of FFS systems are designed together, to work together, ensuring environmental compliance and overall safety.

Enhanced component design, including the incorporation of stainless steel and high grade elastomers, ensures compatibility and durability while preventing fuel contamination.

Franklin's global customer service and technical support team allow a single point of contact for all your Biofuel system needs.



Franklin Fueling Systems

AG Compatible Submersible Turbine Pumps

FE PETRO

Intelligent Submersible Turbine Pumps

Model	Description	Model Length
ISTM-1	2 hp variable speed with MagShell™	69"-87"
ISTM-2	2 hp variable speed with MagShell™	90"-151"
ISTM-3	2 hp variable speed with MagShell™	122"-213"
ISTMVS4-VL1	4 hp variable speed with MagShell™	64"-92"
ISTMVS4-VL2	4 hp variable speed with MagShell™	95"-156"
ISTMVS4-VL3	4 hp variable speed with MagShell™	127"-218"

2 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAGM200-VL1	2 hp AG fixed speed with MagShell™	63"-91"
STPAGM200-VL2	2 hp AG fixed speed with MagShell™	94"-154"
STPAGM200-VL3	2 hp AG fixed speed with MagShell™	126"-217"
STPAGHM200-VL1	2 hp AG high pressure fixed speed with MagShell™	63"-92"
STPAGHM200-VL2	2 hp AG high pressure fixed speed with MagShell™	94"-156"
STPAGHM200-VL3	2 hp AG high pressure fixed speed with MagShell™	126"-218"

1½ hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG150-VL1	1½ hp AG fixed speed	60"-88"
STPAG150-VL2	1½ hp AG fixed speed	91"-152"
STPAG150-VL3	1½ hp AG fixed speed	123"-214"
STPAGH150-VL1	1½ hp AG high pressure fixed speed	61"-89"
STPAGH150-VL2	1½ hp AG high pressure fixed speed	92"-152"
STPAGH150-VL3	1½ hp AG high pressure fixed speed	124"-215"

1/3 and 3/4 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG33-VL1	1/3 hp AG fixed speed	55"-83"
STPAG33-VL2	1/3 hp AG fixed speed	86"-147"
STPAG33-VL3	1/3 hp AG fixed speed	118"-209"
STPAG75-VL1	3/4 hp AG fixed speed	57"-86"
STPAG75-VL2	3/4 hp AG fixed speed	88"-149"
STPAG75-VL3	3/4 hp AG fixed speed	120"-212"

Fixed Length Submersible Turbine Pumps

Model	Description	Model Length
STPAG33	1/3 hp fixed speed	37"-132"
STPAG75	¾ hp fixed speed	37"-132"
STPAG150	1½ hp fixed speed	37"-132"
STPAGH150	1½ hp high pressure fixed speed	37"-132"
STPAGM200	2 hp fixed speed with MagShell™	37"-132"
STPAGHM200	2 hp high pressure fixed speed with MagShell™	37"-132"



www.franklinfueling.com
3760 Marsh Road • Madison, WI 53718, USA
Tel: +1 608 838 8786 • Fax: +1 608 838 6433
Tel: USA & Canada 1 800 225 9787 • Tel: Mexico 001 800 738 7610



FFS-0129 01-10



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[62M-MA Monitoring Cap EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85>

62M-MA Monitoring Cap EVR Approved for E85, OPW Retail Fueling 62M-MA for use with E85 CARB /EVR Approved for use with E85 Anodized aluminum construction Includes 3/8" Pipe Plug and 3/8" Grommet Fitting Compatible with 1/2" Grommet (sold separately) Product No. Body Cap Grommet Riser Thread Weight In. mm In. mm lbs. kg 62M-MA Anodized Aluminum, 62M-MA Monitoring Probe Cap EVR Approved for E85

[61T-SS Drop Tube E85 EVR Approved \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved>

61T-SS Drop Tube E85 EVR Approved, OPW Retail Fueling 61T-SS for use with E85 EVR Approved for use with E85 Stainless Steel construction 4" Diameter in 12' or 17' Lengths – Accommodate a variety of tank diameters and fill riser pipe sizes. Drop Tube Length Product No. in. mm lbs. kg ft. m 61T-SS-0412 4 102 6.18 2.80 12 3.66 61T-SS-0417 4 102 13 5.9 17 5.19 61T-SS Series Drop Tube

[71JSK Series Jack Screw Kit EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85->

71JSK Series Jack Screw Kit EVR Approved for E85 , OPW Retail Fueling 71JSK for use with E85 Product # Description 71JSK-4RMT Remote Fueling Jack Screw Kit E85 EVR Approved 71JSK-44MA Jack Screw Kit for Cast Iron Base Spill Buckets E85 EVR Approved CARB /EVR Approved for use with E85 Nickel Plated Aluminum Works in conjunction with our 71SOM for remote fueling applications Includes cages for both cast iron and composite base spill containers Eliminates notorious leak



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[71SOM Vapor Tight Overfill Prevention Valve for Alcohol \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol

71SOM Vapor Tight Overfill Prevention Valve for Alcohol, OPW Retail Fueling 71SOM for use with E85 Nickel plated aluminum, anodized aluminum, stainless steel and other compatible materials, excavation, manholes or vent piping are required. CARB /EVR Approved for use with E85 Constructed, Installation Tool 2.5 1 71JSK-44MA Jack Screw Kit EVR Approved for E85 1.5 0.7 71JSK-4RMT Remote Fueling Jack Screw Kit EVR Approved for E85 1 0.5 NOTE: The 71SOM Overfill

[233 Series Extractor Fittings \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings

% Ethanol (E85) or Methanol (M85) Body: Duragard® Coated Cast Iron Cage Assembly: ZA12 Zinc/Alloy, Fittings are EVR Approved for E85 233 Series Extractor Fittings FlexWorks Vent Pipe Installation

[61T Drop Tube \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube

17 5.19 E85 EVR Approved Drop Tube Length Product No. in. mm lbs

[OPW 241TPS Series Hose Swivels \(/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/\)](/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/)

Internal Dimension as Standard 633T Adaptors – To minimize pressure drop and maximize flow rates for quick product delivery. 61SALP-MA - EVR Approved for use with E85 61SALP Adaptor: bronze Base: bronze Retaining ring: conductive nylon Set screws

OPW 21Ge™ Series Ethanol Nozzles (/products/temporary-/opw-21ge-series-ethanol-nozzles)

/products/temporary-/opw-21ge-series-ethanol-nozzles

3/4" F (NPT) 19 F x 19 F 0.6 0.27 Valve for up to E85 / 300 lb. □66V Series 3/4

10 Plus Series Emergency Shut-Off Valves (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves

Double Pressure Combination E85 10P-0152E85 1-1/2" 4 6.8 3.10 NPT Double

1 2 3 4 5

(http://www.opwglobal.com/search-results/retail/page/2?indexCatalogue=retail&searchQuery=E85+&wordsMode=0)

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OPW, A Dover Company (<http://www.dovercorporation.com>)

The following U.S. patents have expired:

4,199,012; 4,351,375; 4,429,725; 4,505,308; 4,453,578; 4,497,350; 4,557,302; 4,649,969; 4,682,714; 4,825,914; 4,971,121; 5,007,468; 5,135,029.

OPW claims no rights in any patent beyond its expiration.

10183



FRP Tank Job Information Sheet

CSI Contact: RITA HARRIS Email: rita.harris@nov.com Date: 3/10/20
 Customer Name: Hoyt Ary Email: hoyt@andersonpump.com
 Company: ANDERSON PUMP SERVICE, INC. Purchase Order #: HA10183-02
 Project: LENNY'S FOOD & FUEL - TINLEY

The information marked below is required to complete your order. Please email this document to the above CSI Contact email address or fax 1-800-839-4727 within 24 hours to avoid delays.

Complete Shipping Address: 7451 183RD Street Tinley Park
 (Only needed if not provided on PO, or is different than PO)

	Dia. / Gal.	Petroleum			Potable	Flowtite® Water			Specify:
		Gas	Diesel	Other		Septic	Fire	Other	
<input type="checkbox"/> Tank Size:	<u>10'112 10'</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>E85</u>
<input type="checkbox"/> Tank Size:	<u>10'1 20K</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Tank Size:	<u>6'1 3K</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>DEF</u>
<input type="checkbox"/> Turnbuckles for Tanks		<input type="checkbox"/> Deadmen Even with Bottom of Tank			<input type="checkbox"/> Deadmen Below Bottom of Tank				
<input type="checkbox"/> Project Type:		<input type="checkbox"/> New Construction			<input type="checkbox"/> Tank Replacement				

Because proper installation of each tank is essential to validate the tank warranty, CSI strongly encourages participation in our Contractor Training Program. Attached to this Job Information Sheet is a letter providing information about our Contractor Training.

Installing Contractor: ANDERSON PUMP SERVICE Primary Contact: HOYT ARY
 Contractor's Contact Phone #: 708 906 6178 Primary Email: hoyt@andersonpump.com
 Contractor's Phys. Address: 19659 S. 97TH AVE MAXWANA IL 60448

Pre-Production Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Primary Site Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Secondary Site Contact: STEVE KRILL Phone: 708.243.9081 Email: Steve@andersonpump.com

Please sign and date your approval below, as well as the attached drawing(s).
 Requested Delivery Date (MM/DD/YY): 5/28/20 THIS DATE WILL NOT BE GUARANTEED.
 ASAP is not an acceptable date.

TANK(S) WILL BE SCHEDULED ON RECEIPT OF FINAL SIGNED/APPROVED DRAWINGS AND COMPLETED JOB INFORMATION SHEET.

Tanks fabricated and not shipped within **30 DAYS** of original ship date will be invoiced.
 Tanks will not be put into production until a written confirmation is received that the job is on schedule.
 By signing this form, buyer acknowledges that Containment Solutions, Inc. (CSI) Terms & Conditions attached hereto shall supersede buyers Terms & Conditions (if any) for this order as well as all future orders placed with CSI.

Buyers Signature: [Signature] Date: 3/11/20

Notes: _____

FOR CSI INTERNAL USE ONLY

PLANT: Tulsa Mt. Union Bakersfield

TRAINED CONTRACTOR: Yes / No Expiration Date: _____ / Requested Training Date: _____



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Overfill Prevention Equipment Inspection Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL002275

Contractor Name Anderson Pump Service, Inc.
Address 19659 South 97th Avenue
 Mokena, IL 60448
Phone Number (708) 478-6190

Inspection

Tank 1 - 20000 gallons - Gasoline - Regular - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass

Inspection Date 11/19/2020

Tank 2 - 6000 gallons - Gasoline - Premium - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass

Inspection Date 11/19/2020

Tank 3 - 12000 gallons - Diesel Fuel - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass

Inspection Date 11/19/2020

Tank 4 - 10000 gallons - E-85 - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass

Inspection Date 11/19/2020

Inspection Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Inspection

Employee Name

Ary, Clayton

Title

Pipe Fitter

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Overfill Prevention Equipment Inspection Report Form has been completed as required by OSFM rules.

Submitter Name

Hoyt Ary

Phone Number

(708) 906-6178

Email

hoyt@andersonpump.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 12/11/2020

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
2. Cables are Free of Kinks Pass Fail
3. Alarm Operates Pass Fail
4. Alarm Communicates with Controller Pass Fail Stand Alone
5. Floats Move Freely Pass Fail
6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors Pass Fail N/A
2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 12/11/2020

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 12/11/2020

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 12/11/2020

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 12/11/2020

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
2. Cables are Free of Kinks Pass Fail
3. Alarm Operates Pass Fail
4. Alarm Communicates with Controller Pass Fail Stand Alone
5. Floats Move Freely Pass Fail
6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors Pass Fail N/A
2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

1. Test Alarm Pass Fail
2. Verify System Configuration Pass Fail
3. Test Battery Backup Pass Fail N/A
4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
2. Cables are Free of Kinks Pass Fail
3. Alarm Operates Pass Fail
4. Alarm Communicates with Controller Pass Fail Stand Alone
5. Floats Move Freely Pass Fail
6. Shaft not Damaged or Bent Pass Fail

Test Date 12/11/2020

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 12/11/2020

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 12/11/2020

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 1/2 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 3/4 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 5/6 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 7/8 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 9/10 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 11/12 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 13/14 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 15/16 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 17/18 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 19/20 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 21/22 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
2. Cables are Free of Kinks Pass Fail
3. Alarm Operates Pass Fail
4. Alarm Communicates with Controller Pass Fail Stand Alone
5. Floats Move Freely Pass Fail
6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors Pass Fail N/A
2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 23 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
2. Cables are Free of Kinks Pass Fail
3. Alarm Operates Pass Fail
4. Alarm Communicates with Controller Pass Fail Stand Alone
5. Floats Move Freely Pass Fail
6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors Pass Fail N/A
2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 23/24 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
2. Cables are Free of Kinks Pass Fail
3. Alarm Operates Pass Fail
4. Alarm Communicates with Controller Pass Fail Stand Alone
5. Floats Move Freely Pass Fail
6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors Pass Fail N/A
2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 24/25 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Dispenser 26 - Single Wall UDC Sump - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/11/2020

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name McPhee, Timothy
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab
Phone Number (847) 888-4836
Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Overfill Prevention Equipment Inspection Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Inspection

Tank 1 - 20000 gallons - Gasoline - Regular - Overfill Prev Device - Overfill Alarm

- 1. Are electronic device and Probe operating properly? Yes No
- 2. Does alarm activate at 90% of tank capacity? Yes No
- 3. Can alarm be heard and seen from tank fueling area? Yes No

Result of Inspection Pass

Inspection Date 12/11/2020

Tank 2 - 6000 gallons - Gasoline - Premium - Overfill Prev Device - Overfill Alarm

- 1. Are electronic device and Probe operating properly? Yes No
- 2. Does alarm activate at 90% of tank capacity? Yes No
- 3. Can alarm be heard and seen from tank fueling area? Yes No

Result of Inspection Pass

Inspection Date 12/11/2020

Tank 3 - 12000 gallons - Diesel Fuel - Overfill Prev Device - Overfill Alarm

- 1. Are electronic device and Probe operating properly? Yes No
- 2. Does alarm activate at 90% of tank capacity? Yes No
- 3. Can alarm be heard and seen from tank fueling area? Yes No

Result of Inspection Pass

Inspection Date 12/11/2020

Tank 4 - 10000 gallons - E-85 - Overfill Prev Device - Overfill Alarm

- 1. Are electronic device and Probe operating properly? Yes No
- 2. Does alarm activate at 90% of tank capacity? Yes No
- 3. Can alarm be heard and seen from tank fueling area? Yes No

Result of Inspection Pass

Inspection Date 12/11/2020

Inspection Results

Date	Description	File
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Contractor Employee Conducting Inspection

Employee Name McPhee, Timothy
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Overfill Prevention Equipment Inspection Report Form has been completed as required by OSFM rules.

Submitter Name

Myreen Schaab

Phone Number

(847) 888-4836

Email

mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Precision Testing Results Report Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX

Test Type Precision Test
Test Date 12/11/2020
Result of Test Pass

Tank 1 - 20,000 gallons - Gasoline - Regular - Tank - Fiberglass Double Wall Containment Solutions

Test Type Precision Test
Test Date 12/11/2020
Result of Test Pass

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX

Test Type Precision Test
Test Date 12/11/2020
Result of Test Pass

Tank 2 - 6,000 gallons - Gasoline - Premium - Tank - Fiberglass Double Wall Containment Solutions

Test Type Precision Test
Test Date 12/11/2020
Result of Test Pass

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX

Test Type Precision Test
Test Date 12/11/2020
Result of Test Pass

Tank 3 - 12,000 gallons - Diesel Fuel - Tank - Fiberglass Double Wall Containment Solutions

Test Type Precision Test
Test Date 12/11/2020
Result of Test Pass

Tank 4 - 10,000 gallons - E-85 - Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX

Test Type Precision Test

Test Date 12/11/2020

Result of Test Pass

Tank 4 - 10,000 gallons - E-85 - Tank - Fiberglass Double Wall Containment Solutions

Test Type Precision Test

Test Date 12/11/2020

Result of Test Pass

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name

McPhee, Timothy

Title

Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Precision Testing Results Report Form Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab

Phone Number (847) 888-4836

Email mschaab@tanknology.com



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	12/15/2020	
Decal #	V004257	
Expiration Date	12/31/2022	
Notification Form Received	Y <input type="radio"/>	N <input checked="" type="radio"/>
NOV Issued	Y <input type="radio"/>	N <input checked="" type="radio"/>

INITIAL CERTIFICATION AUDIT

Facility Type: Commercial / Retail
 Ownership: Private

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 W 185th Street Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Len McEnergy 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County
Len McEnergy 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated	Compliant
1	20,000	<u>Gasoline - Regular</u>	Installed/Not in Use	Federal	<input checked="" type="checkbox"/>
2	6,000	<u>Gasoline - Premium</u>	Installed/Not in Use	Federal	<input checked="" type="checkbox"/>
3	12,000	<u>Diesel Fuel</u>	Installed/Not in Use	Federal	<input checked="" type="checkbox"/>
4	10,000	<u>E-85</u>	Installed/Not in Use	Federal	<input checked="" type="checkbox"/>

SECTION A. TANK RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/11/2020</u>
	Non-Discriminating Sensors Interstitial Monitoring	<u>12/11/2020</u>
2	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/11/2020</u>
	Non-Discriminating Sensors Interstitial Monitoring	<u>12/11/2020</u>
3	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/11/2020</u>
	Non-Discriminating Sensors Interstitial Monitoring	<u>12/11/2020</u>
4	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/11/2020</u>
	Non-Discriminating Sensors Interstitial Monitoring	<u>12/11/2020</u>

SECTION B. PIPING RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Electronic Pressurized Line Leak Detection	12/11/2020
2	Electronic Pressurized Line Leak Detection	12/11/2020
3	Electronic Pressurized Line Leak Detection	12/11/2020
4	Electronic Pressurized Line Leak Detection	12/11/2020

SECTION C. SPILL PREVENTION

Tank	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
2	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
3	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
4	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve	11/19/2020
2	Overfill Drop Tube Valve	11/19/2020
3	Overfill Drop Tube Valve	11/19/2020
4	Overfill Drop Tube Valve	11/19/2020

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION G. TANKS

Tank	Equipment
1	Fiberglass Double Wall Containment Solutions

2	Fiberglass Double Wall Containment Solutions
3	Fiberglass Double Wall Containment Solutions
4	Fiberglass Double Wall Containment Solutions

SECTION H. PRODUCT PIPING

Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX
2	Fiberglass Double Wall Ameron Dualoy 3000/LCX
3	Fiberglass Double Wall Ameron Dualoy 3000/LCX
4	Fiberglass Double Wall Ameron Dualoy 3000/LCX

SECTION I. PIPING CONTAINMENT SUMPS

Tank	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>
2	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>
3	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>
4	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>

SECTION J. DISPENSER SUMPS

Dispenser	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1/2	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>
3/4	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>
5/6	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/11/2020	<input type="checkbox"/>
7/8	Single Wall UDC Sump	10/1/2020	<input type="checkbox"/>

	with Non-Discriminating Sump Sensor with positive shutdown	<u>12/11/2020</u>	
9/10	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
11/12	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
13/14	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
15/16	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
17/18	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
19/20	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
21/22	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
23	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
23/24	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
24/25	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>
26	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/11/2020</u>	<input type="checkbox"/>

SECTION K. MISCELLANEOUS

- Y N
- Did Owner/Operator submit required documentation for Financial Responsibility?
 If so: FR Reporting Due: 11/11/2021
 - A list of designated A, B, and C operators for the facility is available?
 - Owner/Operator has valid training certificates available for classes A/B/C?
 If so: Number: 1
 - Owner/Operator has valid training certificates available for only class C? N/A

If so: Number of C: 10

- 5. A copy of the emergency instructions or emergency procedures form is available?
- 6. A copy of the UST facility operation and maintenance plan is available?
- 7. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months?
- 8. Have the annual walkthrough inspection been conducted and have the records been maintained for one year?
- 9. For unmanned facilities, is emergency contact information conspicuously posted or a 24 hour toll free number for operator dispatch prominently displayed? N/A

Remarks:

12/15/2020

X *Charles Southern*

Signed by: CHARLES SOUTHERN

Exit interview given to _____ Title _____ Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	12/15/2020

TECHNICAL COMPLIANCE RATE

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 W 185th Street Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Len McEnery 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

9a. Spill Prevention Y N N/A

- | | | | |
|---|----------------------------------|-----------------------|-----------------------|
| 1. Are spill prevention device(s) present and functional? [(280.20(c)(1)(i), 280.21(d))] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Have the spill prevention device(s) been tested every 3 years, or if spill prevention device(s) are double wall, have the device(s) been monitored every 30 days? [280.35(a)(1)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |

9b. Overfill Prevention Y N N/A

- | | | | |
|---|----------------------------------|-----------------------|----------------------------------|
| 1. Are overfill prevention device(s) present and functional? [280.20(c)(1)(ii) and 280.21(d)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Has overfill prevention device(s) been tested/inspected every 3 years? [280.35(a)(2)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 3. Identify all of the overfill prevention methods used: | | | |
| a. Ball float valves | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| b. Flapper valve | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c. Overfill alarm | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

9c. Corrosion Protection Y N N/A

- | | | | |
|--|----------------------------------|-----------------------|----------------------------------|
| 1. Are buried metal tank and piping (includes fittings, connections, swing joints flex connectors, etc.) protected from corrosion? [280.20(a), 280.20(b), 280.21(b) and 280.21(c)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Has cathodic protection system been tested/inspected, within 6 months of repair of cathodic protected UST system? [280.33(e)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 3. Is the impressed current corrosion protection system properly operated, maintained and tested annually to provide continuous protection, including USTs in temporary closure? [280.31(a)(b) and 280.70(a)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 4. Have UST system(s) with impressed current cathodic protection been inspected every 30 days to ensure equipment is running properly? [280.31(c)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 5. Is the sacrificial anode corrosion protection system properly operated, maintained and tested every 3 years to provide continuous protection, including USTs in temporary closure? [280.31(a)(b) and 280.70(a)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 6. Are lined tank(s) inspected every 5 years, and have any tank(s) failing the lining inspection been placed in permanent closure? [280.21(b)(1)(ii)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

9d. Release Detection Y N N/A

- | | | | |
|--|----------------------------------|-----------------------|-----------------------|
| 1. Is the appropriate leak detection present, operating properly and meet the specific performance standards? [280.40(a), 280.40(a)(1) and 280.43(a)(3)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
|--|----------------------------------|-----------------------|-----------------------|

2. Are tanks and piping monitored monthly or a periodic line tightness test performed for releases and are records available for the two most recent consecutive months and for 10 of the last 12 months? [280.41(a)(b) and 280.45(b)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Has the electronic and mechanical release detection equipment been tested annually? [280.40(a)(3) and 280.45(b)(1)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Have the containment sump(s) been tested every 3 years, or if containment sump(s) are double wall, have the device(s) been monitored every 30 days? [280.35]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Has the implementing agency been notified of a suspected release as required? [280.40(b)]	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10. Operator Training	Y	N	N/A
1. Does the facility meet all the requirements of the operator training program (i.e., A/B operators are properly trained, if applicable have the A/B operators been retrained, are training records on site and available for review)? [280.240 - 280.245]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. Financial Responsibility	Y	N	N/A
1. Has the annual financial responsibility requirement been met?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Operation and Maintenance	Y	N	N/A
1. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months? [280.36(a) and 280.36(b)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Have the annual walkthrough inspection been conducted and have the records been maintained for one year? [280.36(a)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Like For Like Replacement Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL002275

Contractor Name Anderson Pump Service, Inc.
Address 19659 South 97th Avenue
Mokena, IL 60448
Phone Number (708) 478-6190

Equipment Being Replaced

Tank 4 - 10,000 gallons - E-85 - ATG Probes

Replacement: ATG Probes
Replacement Date: 06/09/2021
Replacement Reason: E85 Probe showing all types of invalid alarms

Contractor Employee Conducting Replacement

Employee Name Turak, John
Title Tech

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Like for Like Replacement Form has been completed as required by OSFM rules.

Submitter Name robert anderson
Phone Number (708) 478-6190
Email rob@andersonpump.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

1. Operation meets criteria of 175.640(a)(3)

Pass Fail

Test Date 12/02/2021

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors

Pass Fail N/A

2. Proper Communication with Controller

Pass Fail N/A

Test Date 12/02/2021

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

1. Test Alarm

Pass Fail

2. Verify System Configuration

Pass Fail

3. Test Battery Backup

Pass Fail N/A

4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option)

Pass Fail N/A

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Test Date 12/02/2021

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors

Pass Fail N/A

2. Proper Communication with Controller

Pass Fail N/A

Test Date 12/02/2021

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

1. Operation meets criteria of 175.640(a)(3)

Pass Fail

Test Date 12/02/2021

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors

Pass Fail N/A

2. Proper Communication with Controller

Pass Fail N/A

Test Date 12/02/2021

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

1. Test Alarm

Pass Fail

2. Verify System Configuration

Pass Fail

3. Test Battery Backup

Pass Fail N/A

4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option)

Pass Fail N/A

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Test Date 12/02/2021

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors

Pass Fail N/A

2. Proper Communication with Controller

Pass Fail N/A

Test Date 12/02/2021

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

1. Operation meets criteria of 175.640(a)(3)

Pass Fail

Test Date 12/02/2021

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism

Pass Fail

2. Cables are Free of Kinks

Pass Fail

3. Alarm Operates

Pass Fail

4. Alarm Communicates with Controller

Pass Fail Stand Alone

5. Floats Move Freely

Pass Fail

6. Shaft not Damaged or Bent

Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors

Pass Fail N/A

2. Proper Communication with Controller

Pass Fail N/A

Test Date 12/02/2021

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 12/02/2021

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 12/02/2021

Tank 4 - 10,000 gallons - E-85 - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 12/02/2021

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 1/2 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 3/4 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 5/6 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 7/8 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 9/10 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 11/12 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 13/14 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 15/16 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 17/18 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 19/20 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 21/22 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 23/24 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 23 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 24/25 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Dispenser 26 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 12/02/2021

Test Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Test

Employee Name Rivera, Fernando
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab
Phone Number (847) 888-4836
Email mschaab@tanknology.com



State of Illinois
Office of the State Fire Marshal

Checklist for Documenting UST Compatibility

SUBMIT THIS FORM WITH SUPPORTING DOCUMENTATION ATTACHED.

ALL COMPONENTS MUST BE LISTED IN DETAIL, & COMPATIBILITY DOCUMENTATION MUST CLEARLY IDENTIFY THE COMPONENTS.

Facility where equipment is located:

Facility Number: 2047018
 Facility Owner: LENNY'S FOOD N FUEL 183RD STREET LLC
 Facility Name: LENNY'S FOOD N FUEL 183RD STREET LLC
 Street Address: 7451 183RD STREET
 City: TINLEY PARK
 County: WILL

UST Information:

Tank ID Number: 4
 Tank Material: Steel _____
 FRP
 Single Wall _____ Double Wall
 Tank Volume: 18000
 Tank Product: E85

Complete the checklist below, listing compatibility determination, method used and description. All answers must be "YES" and supported with a sufficient description or supporting documentation in order for your UST system to demonstrate compatibility with the blended fuel/biofuel product.				
UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
TANK	NO	<input checked="" type="radio"/> YES		DOUBLE WALL COMPARTMENT TANK CONTAINMENT SOLUTIONS
PIPING (incl. shear valves, flex connectors)	NO	<input checked="" type="radio"/> YES		AMERON DUALOY 3000 LCX
CONTAINMENT SUMPS	NO	<input checked="" type="radio"/> YES		BRAVO TANK SUMP B400 BRAVO DISPENSER SUMP B1000
PUMPS (STPs/Suction; Dispensers, hoses, nozzles)	NO	<input checked="" type="radio"/> YES		FE PETRO GILBARCO DISPENSERS 3+1

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
RELEASE DETECTION EQUIPMENT	NO	<u>YES</u>		VEEDER ROOT TCS350 plus WITH PROBE, NON DISCRIMINATING SENSORS AND PULD
SPILL PREVENTION EQUIPMENT	NO	<u>YES</u>		FRANKLIN FUELING Double wall
OVERFILL PREVENTION EQUIPMENT	NO	<u>YES</u>		OPW 7150M Drop tube
GASKETS & SEALS (installs after 10/13/18)	NO	<u>YES</u>		FRANKLIN FUELING Flex CONNECTORS
JOINT DOPES & ADHESIVES (installs after 10/13/18)	NO	<u>YES</u>		GASOLKA E SEAL


Methods:

- A. Certification or listing of UST system equipment or components by a nationally recognized, independent testing laboratory for use with the regulated substance stored.
- B. Equipment or manufacturer approval. The manufacturer's approval must be in writing, indicate an affirmative statement of compatibility, specify the range of biofuel blends the component is compatible with, and be from the equipment or component manufacturer

Note: Owners and operators may find American Petroleum Institute's Recommended Practice 1626, *Storing and Handling Ethanol and Gasoline-Ethanol Blends at Distribution Terminals and Filling Stations*, useful in complying with the compatibility requirements.

In order to be in compliance with the 2015 federal UST regulation compatibility requirements for storing biofuels, you must keep documentation of compatibility of the UST system components listed on this page as long as you store the fuel.

For your records, you should update this checklist each time you repair or replace components of your UST system to ensure you have all the required compatibility documentation while storing biofuels.

Checklist Completed By: print name: STEPHEN M. KYL date completed: 3-13-20
signature:  position/title: PROJECT MANAGER

Magnetostrictive Probes for Alternative Fluids

Certified performance for inventory control and in-tank leak detection in fuel blends up to 100% alcohol

Veeder-Root offers two types of Magnetostrictive Probes for Alternative Fluids to provide highly accurate, trouble-free in-tank leak detection and inventory control in fluids of up to 100% alcohol. The Magnetostrictive Probe for Alternative Fluids with water detection is ideal for fuel blends with less than 20% alcohol. The Magnetostrictive Probe for Alternative Fluids without water detection has been developed for fluids up to 100% alcohol.

Series 8463 0.1 GPH Mag Probe for Alternative Fluids

The 0.1 GPH Mag Probe for Alternative Fluids has been third-party tested and certified to perform far better than the U.S. E.P.A. standards for both 0.1 GPH volumetric tank tightness testing and 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

0.1 GPH Mag Probe and CSLD — Leak detection without shutting down your tanks!

CSLD, Continuous Statistical Leak Detection, is an advanced tank testing technology that makes full use of the TLS-300 and TLS-350(R)'s in-tank monitoring capabilities. CSLD eliminates the need for tank shutdown to perform a leak test — no lost business, no lost operating time!

The TLS-300 and TLS-350(R) equipped with CSLD use the 0.1 GPH Mag Probe to continuously monitor fuel height and temperature information to detect idle times in the tank. During each idle time, data collected forms a highly accurate leak detection database. Sophisticated statistical analysis techniques in CSLD constantly evaluate the database to discard invalid data and perform leak tests based on only high-quality information in the current database. In fact, a new leak test is performed every time new data from an idle period is added.

Series 8463 0.2 GPH Mag Probe for Alternative Fluids

The 0.2 GPH Mag Probe for Alternative Fluids provides the same reliable inventory control features and fluid compatibility as the 0.1 GPH Mag Probe for Alternative Fluids, but offers 0.2 GPH leak detection at a lower cost.

The 0.2 GPH Mag Probe for Alternative Fluids has also been third-party tested and certified to exceed U.S. E.P.A. standards for 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

Approved for Aboveground Tank Applications

Veeder-Root Magnetostrictive Probes are approved for use in aboveground storage tanks to monitor fuel inventory. An AST installation Kit (Form Number 312020-984) is required for these applications and is available from Veeder-Root, Customer Service 800-873-3313 or your authorized Veeder-Root distributor.

Features & Benefits

- Non-corrosive, stainless steel tubing for long-life monitoring in fuels up to 100% alcohol
- Highly accurate Magnetostrictive measurement technology
- Fast accurate leak tests
- 0.1 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.1 GPH Volumetric Tank Tightness Testing
- 0.1 GPH Mag Probe for Alternative Fluids is compatible with TLS-300 and TLS-350R with CSLD for continuous statistical leak detection
- 0.2 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.2 GPH Automatic Tank Gauging
- 2", 3" and 4" Float Kits available

Magnetostrictive Probes for Alternative Fluids are available in 0.1 GPH and 0.2 GPH Versions



Electronic Line Leak Detectors

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TOKHEIM	585-13 (1/3 HP)	YES	NO
	585-34 (3/4 HP)	YES	NO
	585-150 (1-1/2 HP)	YES	NO
BENNETT	ALL	YES	NO
4-INCH VARIABLE SPEED MODELS		DPLLD/PLLD	WPLLD
RED JACKET	STD and AG with CPT (2 HP) ^{1,2}	YES	NO
	QUANTUM P200U202Y QS1 - QS3 CPT (2 HP)	YES	NO
	QUANTUM AGP200T202Y QS1 - QS3 CPT (2 HP)	YES	NO
	THE RED JACKET P200U20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET AGP200T20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET VSFC ¹	YES	NO
FE PETRO	IST (2 HP) ¹	YES	NO
	STP VS2, STPAG VS2 (2 HP)	YES	NO
	STPRVS4, ISTVS4 AG	YES	NO
	STPMRVS4, ISTMVS4 AG	YES	NO
6-INCH HIGH CAPACITY MODELS		DPLLD/PLLD	WPLLD
RED JACKET - MAXXUM	MAXXUM MXP300 (3 HP)	YES ³	NO
	MAXXUM MXP500 (5 HP)	YES ³	NO
RED JACKET - BIG-FLO	P100H1 - 1MB (1 HP)	YES ⁴	NO
	P150H1 - 1HB (1-1/2 HP)	NO	NO
	P200H1 - 2MB (2 HP)	YES ⁴	NO
	P200H3 - 2MB (2 HP)	YES ⁴	NO
	P300H3 - 2HB (3 HP)	YES ⁴	NO
	P500H3 - 2K (5 HP)	YES ⁴	NO
FE PETRO	STP3, STPAG3 (3 HP)	YES ^{4,6}	NO
	STP5, STPAG5 (5 HP)	YES ^{4,6}	NO
	STP5H (5HP)	YES ^{4,6}	NO
APPLICATIONS		DPLLD/PLLD	WPLLD
SIPHON/MANIFOLDED TANKS		YES	YES
MANIFOLDED LINES		YES	YES
ELECTRONIC BLENDERS		YES	YES
MECHANICAL BLENDERS		YES ⁵	NO

¹See Site Preparation and Installation manual for supported settings.

²Requires TLS-350 Version X19 or later software and CPT Transducer Adaptor Kit (Red Jacket P/N 144-326-5).

³USER DEFINED pipe type must be used for precision (0.2 and 0.1 gph) testing.

⁴3.0 gph only testing.

⁵Requires TLS-350 Version 29C or later software (PLLD).

⁶Requires Model 'R' Relief Valve.

Line Volume Limits

Console Type	Transducer Type	Piping Type	3.0 GPH Certified Volume (Gal.)	0.2 GPH Certified Volume (Gal.)	0.1 GPH Certified Volume (Gal.)
SERIES 860091-X01 TLS-450PLUS CONSOLES W/SOFTWARE VERSION 7E OR HIGHER	Series 8590-DPLLD	Rigid	1178.6	1178.6	165.08
		Flexible	1178.6	1178.6	109.84
		Hybrid (Flex & Rigid)	1178.6	1178.6	267.8
SERIES 860090-100 TLS-450 CONSOLES		Rigid	425.84	165.08	165.08
		Flexible	109.84	109.84	109.84
		Hybrid (Flex & Rigid)	535.68	267.8	267.8
SERIES 8482 TLS-350, -350PC, -350R, -350RPC, -350PLUS W/ SOFTWARE VERSION X19 OR HIGHER	Series 8484-PLLD	Rigid	212	119.4	119.4
		Flexible	212	119.4	119.4
		Hybrid (Flex & Rigid)	212	119.4	119.4

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PIPE TYPE	TLS-4XX w/ DPLLD ^{6,7} (Length Feet)	TLS-360 w/ PLLD ¹ (Length Feet)	TLS-350 w/ WPLLD ² (Length Feet)	BULK MODULUS ³ (PSI)	VOLUME (Gallons/Foot)
FLEXIBLE PIPE - NUPI (Continued)					
TSMAD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	18900	0.092
2 INCH	30-3000	30-650	No	12500	0.163
3 INCH	30-3000	30-300	No	28200	0.367
TSMAXPD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	15500	0.092
2 INCH	30-3000	30-650	No	9200	0.163
3 INCH	30-3000	30-300	No	27800	0.367
FLEXIBLE PIPE - PETROTECHNIK					
PETROTECHNIK UPP EXTRA (63 mm)	20-3000	20-650	No	11,500	0.163
FLEXIBLE PIPE - TOTAL CONTAINMENT					
ENVIROFLEX RETRACTABLE PIPE					
PP1500 (1.5 INCH)	10-3000	10-1100	10-500	2400	0.092
PP1501 (1.5 INCH)	10-3000	10-1100	10-500	3500	0.092
PP1502 (1.5 INCH)	10-3000	10-1100	No	7300	0.092
PP1503 (1.5 INCH)	10-3000	10-1100	No	2500	0.092
PP2500 AND PP2501 (2.5 INCH)	No	No	No	—	—
PP2502 (2.5 INCH)	10-3000	10-430	No	8700	0.255
PP2503 (2.5 INCH)	10-3000	10-430	No	3100	0.255
OMNIFLEX COAXIAL PIPE					
CP1501 (1.5 INCH)	10-3000	10-1100	10-500	13,000	0.092
CP1503 (1.5 INCH)	10-3000	10-1100	No	4500	0.092
CP2503 (2.5 INCH)	10-3000	20-430	No	3900	0.255
FLEXIBLE PIPE - DOUBLE TRAC (OMEGA FLEX)					
UGF-FSP-16 (1.0 INCH)	30-500	30-500	No	31,000	0.058
UGF-FSP-24 (1.5 INCH)	30-3000	30-1100	No	31,000	0.116
UGF-FSP-32 (2.0 INCH)	30-3000	30-650	No	31,000	0.204

¹Mixed Piping Types with PLLD: Using TLS-350 software Version 23 or later, PLLD is certified for 3 gph-only testing for line volumes up to 212 gallons; and for 0.2/0.1 gph testing for line volumes up to 110 gallons. To determine the line volume for mixed piping types, multiply the line length (in feet) times the 'gallons/foot' value for each pipe type and add the results. For example, site has 150 feet of 2" fiberglass and 50 feet of 3" fiberglass pipe:

$$\text{Total line volume} = [150 \times 0.204] + [50 \times 0.461] = 30.6 + 23.1 = 53.7 \text{ gallons}$$

²The 0.2 and 0.1 gph line leak tests cannot be run on flex piping with WPLLD.

³Bulk Modulus entry is only applicable to TLS-350 consoles w/software Version 23 or later and all TLS-450 Series consoles. Refer to TLS-350 System Setup manual (P/N 576013-623) or TLS-450 Setup Manual (P/N 576013-940) for programming instructions.

⁴Geoflex piping produced prior to 2001 has a lower bulk modulus than the current product. For this piping (pre-2001) use the values in (.). For 2001 piping and later, you must set the correct Bulk Modulus in the "User Defined" menu.

⁵Western Fiberglass COFLEX piping produced prior to 2005 has a different bulk modulus than the current product. For piping produced prior to 2005, use the values in (.).

⁶Line lengths shown represent DPLLD approved lengths for 3 gph and 0.2 gph testing. 3.0 gph and 0.2 gph testing for DPLLD with software version 7E or higher is certified for line volumes up to 1178.6 gallons (not to exceed 3000 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

⁷0.1 gph testing is certified for line volumes up to 535.6 gallons (not to exceed 1100 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

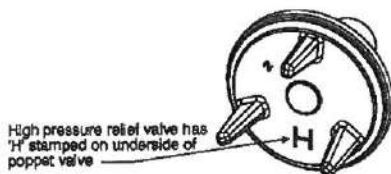
Check Valve Requirements

DPLLD, PLLD and WPLLD require certain check valves or Pressurstat assemblies to be installed on the pump. Use of non-compatible check valves can result in loss of leak detection performance.

Supported Pumps	Check/Relief Valve Type	3.0 GPH Only Testing (Req'd. Kit)	3.0, 0.2, 0.1 GPH Testing (Req'd. Kit)	Additional Req'd. Parts for Manifoldded Lines (Single Tank w/ 2 STPs, or 2 or More Tanks w/ STP in Each)
DPLLD/PLLD Applications				
The Red Jacket	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Check Valve for Each Slave Pump P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Quantum SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 388-081-5 (Field Installed Only)
	Red Jacket SpikeCheck Valve (Field Only Installed) P/N 388-080-5	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	
	Red Jacket Pressurstat Assembly.	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
Standard (All Models)	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Functional Element Assembly	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	
	Red Jacket SpikeCheck Valve (Field Installed Only) P/N 410557-001	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Standard SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 410557-002 (Field Installed Only)
Maxxum	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	See Note 4 below.
Big-Flo	Pressurstat Kit P/N 144-314-5		(See Note 3 below)	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 4 below)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)
	FE Petro Model R Relief Valve P/N 401330902			
Tokheim & Bennett	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
WPLLD Applications				
The Red Jacket	None Required	849490-006	849490-006	High Pressure Check Valve for Each Slave Pump, P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	849490-005 (Except CPT)	849490-005 (Except CPT)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Pressurstat Assembly	849490-005 (Except CPT)	— Not supported —	
Standard (All Models)	SwiftCheck	849490-002 (Except CPT)	849490-002 (Except CPT)	
	Red Jacket Functional Element Assembly	849490-003 (Except CPT)	— Not supported —	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 5 below)	849490-001	849490-001	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)

NOTES:

1. The Veeder-Root High Pressure Check Valve (P/N 410153-002) is shown below:



- For Red Jacket Quantum pumps, the SpikeCheck is the preferred check valve type.
- 0.2/0.1 gph testing is supported for the Maxxum pump, but you must select 'User Defined' as the pipe type during DPLLD or PLLD setup.
- If maximum pump pressure is NOT a minimum of 5 psi below the pressurstat relief setting, then a check valve must be installed in the discharge line of the slave pump (see "Manifoldded Line Applications" on page 12).
- Veeder-Root does not warrant the performance of FE Petro's Model 'R' check valve or 65 psi relief check valve.

TLS-350 Consoles - PLLD

Hardware Required for PLLD Leak Detection

PRESSURIZED LINE LEAK DETECTOR (PLLD)

Order one per line.

MODEL NO.	ITEM
848480-003	PRESSURIZED LINE LEAK DETECTOR WITH SWIFTCHECK VALVE
848480-001	PRESSURIZED LINE LEAK DETECTOR WITHOUT SWIFTCHECK VALVE

PLLD MODULES

•TLS-350/TLS-350 Plus/TLS-350R Consoles - Leak Detection for up to 6 Lines

One Pressurized Line Leak Detector Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-001	SIX INPUT PRESSURIZED LINE LEAK INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

•TLS-350J Consoles - Leak Detection for up to 4 Lines

One 'J' PLLD Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-002	'J' PLLD INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

PLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350/TLS-350J/ TLS-350PLUS/TLS-350R WITHOUT BIR	TLS-350R WITH BIR
	(SEM P/N)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM is not required for 3 GPH-only testing.

PLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

TLS-350 Consoles - WPLLD

Hardware Required for Wireless Pressurized Line Leak Detection (WPLLD)

WIRELESS PRESSURIZED LINE LEAK DETECTOR (WPLLD)

Order one per line.

MODEL NO.	ITEM
849490-001	WPLLD KIT - FOR FE PETRO PUMPS ¹
849490-002	WPLLD KIT WITH SWIFTCHECK VALVE - FOR RED JACKET PUMPS (EXCLUDING QUANTUM) ²
849490-003	WPLLD KIT - 3 GPH ON RED JACKET PUMPS (EXCLUDING QUANTUM) ³
849490-004	WPLLD KIT W/O SWIFTCHECK VALVE FOR RED JACKET PUMPS (EXCLUDING QUANTUM)
849490-005	WPLLD KIT - FOR RED JACKET QUANTUM PUMPS ⁴
849490-006	WPLLD KIT - FOR THE RED JACKET PUMP

¹Contains Line Leak Sensor, and installation kit for FE Petro pumps. Requires FE Petro Model R Check Valve, P/N 400988932.

²Contains Line Leak Sensor, SwiftCheck valve, and installation kit for Red Jacket pumps.

³Supports 3 GPH testing only. Contains Line Leak Sensor, and installation kit for Red Jacket pumps. Requires Red Jacket's Functional Element Assembly models 323-001-5 or 323-002-5. Does not support precision (0.2 GPH or 0.1 GPH) line testing.

⁴Contains Line Leak Sensor and installation kit for Red Jacket Quantum pumps. Requires purchase of SpikeCheck valve, P/N 388-080-5, from Red Jacket.

WPLLD MODULES

One of each module from the table below is required. Order additional WPLLD Controller modules (P/N 330841-001) as required - each Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330874-001	WPLLD AC INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330883-001	COMMUNICATIONS MODULE (MAXIMUM 1 PER CONSOLE)
330841-001	WPLLD CONTROLLER MODULE (MAXIMUM 3 PER CONSOLE*)

*Maximum of 2 WPLLD Controller module per TLS-350J console

WPLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350 / TLS-350J / TLS-350PLUS /	TLS-350R (WITH BIR)
	TLS-350R (W/O BIR)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM not required for 3 gph testing.

WPLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

Special Installations

Manifolded Line Applications

DPLLD, PLLD and WPLLD leak detection systems can handle product lines supplied by multiple tanks and pumps, to a maximum of 8 tanks and pumps per product line.

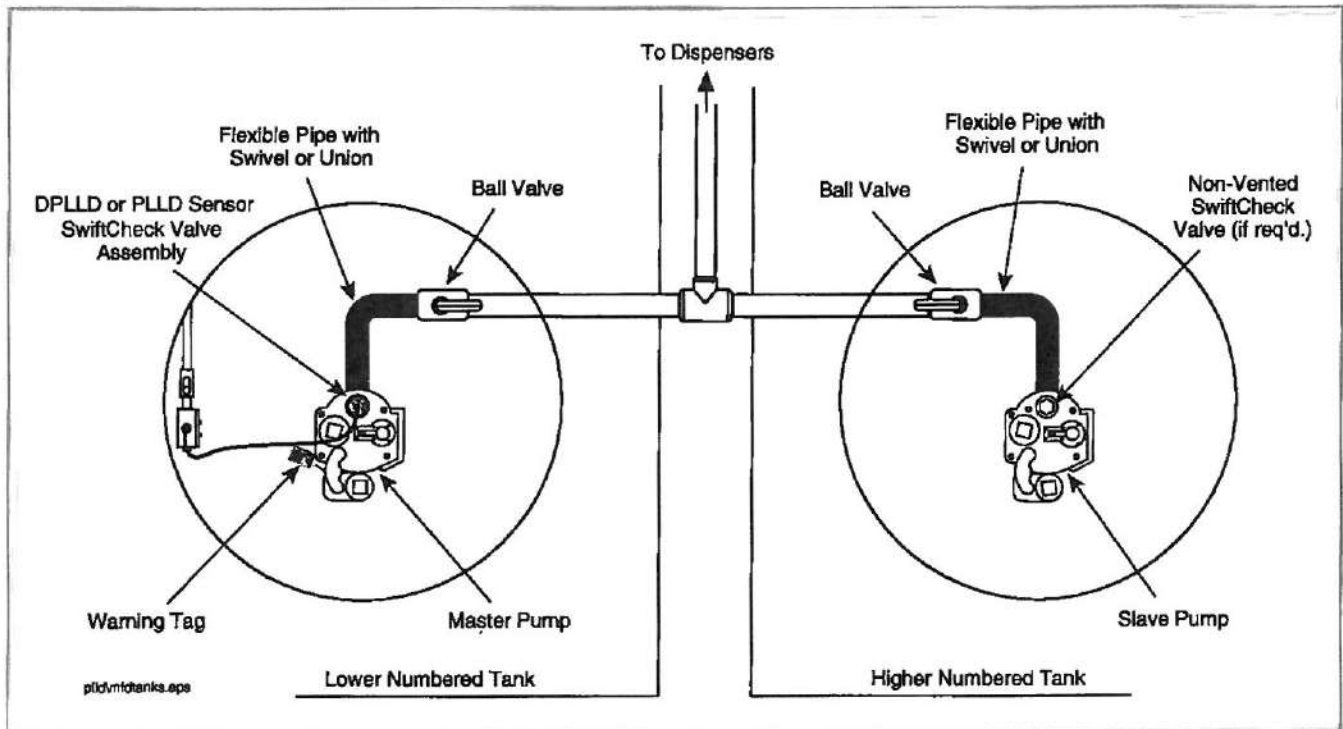
Standard line leak sensing and check valve equipment should be installed at the primary pump.

To perform 0.2 and 0.1 gph tests, a non-vented SwiftCheck valve (P/N 330020-416), or new Red Jacket 65 psi relief valve (P/N 410153-002), or SpikeCheck Valve Non-PSI Relief Valve for Standard Pump (P/N 410557-002), or FE Petro 65 psi Relief Check Valve (FE P/N 402459931) should be installed on each of the other pumps supporting the manifolded product line. The Non-Vented SwiftCheck Valve is rated to a maximum 70 gpm.

NOTICE For 5 HP Maxxum pumps in diesel, an additional in-line check valve with no pressure relief should be installed on the 'Slave' pump to prevent backflow.

A relay on a Four-Relay module or I/O Combination module (TLS-350 Series) or I/O Module (TLS-450 Series) must be available to control each secondary pump. The standard line leak modules will provide pump control output for the primary pump and the "Pump In" signal for the set.

A typical manifolded line installation for DPLLD and PLLD is shown below:



Transducer Installation - Red Jacket CPT and Quantum CPT Pumps

This installation procedure is to be used with Red Jacket CPT and Quantum CPT Pumps.

1. Install the Red Jacket CPT Transducer Adapter Kit (Red Jacket part number 144-326-5) following the instructions with the kit. Thread the PLLD transducer in the mechanical LLD port of the pump.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

The figure below illustrates two DPLLD and PLLD transducer installations in Red Jacket CPT pumps - consult "Check Valve Requirements" on page 6, to determine what check valve you will need to install to perform your intended level of testing.

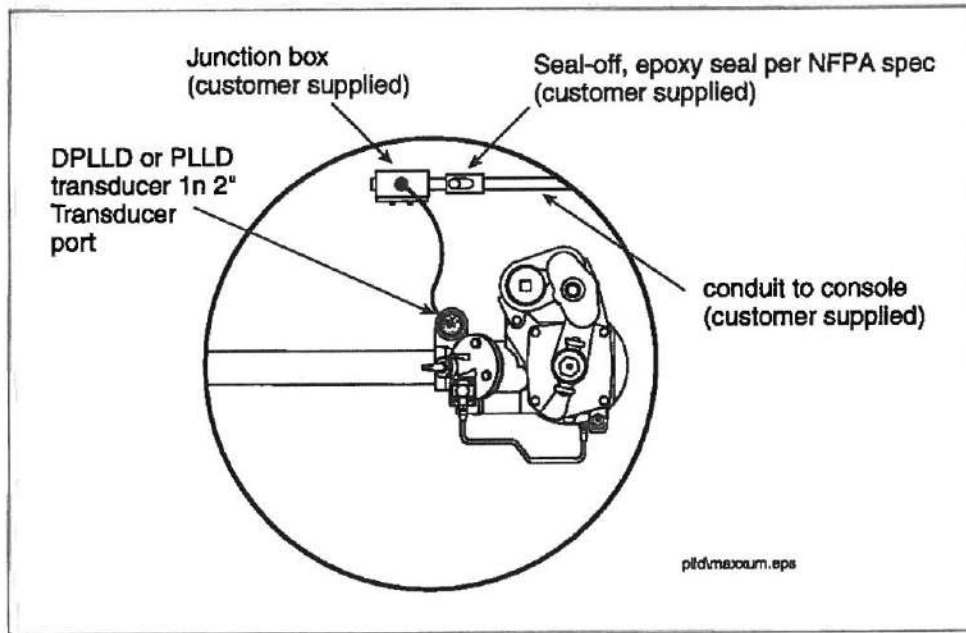
2. Verify that the TLS-350 Series Console has Version x19 or later (TLS-450 Series Console has Version 1 or later) software.
3. Verify that the CPT Controller has Version 1.02 or later software installed.

MAXXUM PUMPS

1. Thread the DPLLD or PLLD transducer into the 2-inch opening of the transducer port.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

2. If any in-line check valves or a Big-Flo Diaphragm Valve are installed in the line, they must be removed.
3. Verify that the TLS 350 Series Console has Version x19 or later software (TLS-450 Series Consoles Version 1 or later software).



FE PETRO HIGH CAPACITY PUMPS

1. Install a reducing tee (customer supplied) in either of the 3-inch discharge ports of the pump with the 2-inch port facing up.
2. Thread the D/PLLD transducer into the 2-inch port on the tee fitting.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

3. Install a model "R" relief valve into the pump if one is not already present.

Frequently Asked Questions:

Gilbarco Veeder-Root Encore[®] Flexible Fuel Dispenser (E85 Ethanol MPD's and Blenders)

Which models of Gilbarco Veeder-Root dispensers are now Underwriter's Laboratory approved under UL 87A for use with E85 ethanol fuel?

The Encore models now UL LISTED for use with E85 fuel are listed below with the Flexible Fuel option included. All Encore MPD units manufactured after **June 24, 2010** and Blender units manufactured after July 30, 2010 with the Flexible Fuel option will have the UL mark displayed on the serial plate label.

Model Description

MPD 1-Grade Dispenser (Encore S & E300)
MPD 2-Grade Dispenser (Encore S & E300)
MPD 3-Grade Dispenser (Encore S & E300)
MPD 4-Grade Dispenser (Encore S only)
Single Hose +1 MPD (only +1 on the Encore S)
Blender Dispenser 2+1 (blended grades on the Encore S)
Blender Dispenser 2+1 (only +1 on the Encore S & E300)
Blender Dispenser 3+0 (blended grades on the Encore S)
Blender Dispenser 3+1 (blended grades on the Encore S)
Blender Dispenser 3+1 (only +1 on the Encore S & E300)
Blender Dispenser 4+0 (blended grades on the Encore S)
Blender Dispenser 4+1 (blended grades on the Encore S)
Blender Dispenser 4+1 (only +1 on the Encore S & E300)
Blender Dispenser 5+0 (blended grades on the Encore S)
Multi-Hose +1 Blender Dispenser (only +1 on the Encore S)

Note: With the addition of the Flexible Fuel option these models are also approved for use with E25.

What is the benefit associated with the UL Listing on Encore blender dispensers?

In some areas of the country fuel marketers are already familiar with using blender dispensers to deliver blended ethanol fuel. By doing so, they're not only bringing a new fuel to the market, they are also able to become a "blender of record". In most cases, the "blender of record" status qualifies them to claim the Federal Tax Credit of .51 cents per gallon of ethanol dispensed. Check with you local tax authority to see how you could take advantage of this opportunity.

What hanging hardware is LISTED for use with E85 fuel?

Information on the required LISTED hanging hardware is outlined below. This data has been updated with the corrected manufacturer's part number and corresponding Gilbarco numbers. You will also be able to find this outlined in the Encore Owner's, Installation, and Service manuals. All Gilbarco Veeder-



be properly evaluated in the field for the following reasons:

1. UL would be unable to certify that the internal gaskets / seals used in the meter and for all of the connections are of the specific type specified in the E85 UL file, and
2. the product falls outside the scope of expertise of the Field Evaluation Services group at UL.

How do I obtain approval from the local authorities having jurisdiction to continue using my E85 Flexible Fuel dispenser without the UL label?

Currently, UL will not allow the UL Mark to be retrofitted onto an E85 dispenser. As discussed previously, this is due to the uncertainty of internal components that may have been changed since the unit was put into service. Therefore, a customer that requires evidence that the unit was originally built with E85 compatible components may contact Gilbarco Veeder-Root Encore Marketing for this documentation.

Are the newly UL LISTED E85 Flexible Fuel dispenser models also approved by the National Conference of Weights and Measures?

Yes, Gilbarco Flexible Fuel models are approved by the National Conference of Weights and Measures. The certificate # is 02-019A16.

Does Gilbarco have retrofit kits available and approved for upgrading standard dispensers to E85?

Gilbarco has submitted retrofit kits to Underwriter’s Laboratory for evaluation.

What is Gilbarco Veeder-Root’s Warranty on the E85 Flexible Fuel dispenser?

The Gilbarco Veeder-Root standard 2 year dispenser warranty coverage will apply to E85 Flexible Fuel dispensers as shown in the table below.

Gilbarco Veeder-Root Warranty Coverage by Fuel Type

Products	Up to E15	E25	E85
Encore S	All Models	Flexible Fuel models*	Flexible Fuel models*
Encore 300	All Models	Flexible Fuel models*	Flexible Fuel models*
Legacy®	All Models	none	none
Gasboy®	All Models	none	none

* Specific Flexible Fuel models can be found in the GPL-1500 pricebook on page 9 and in the latest Encore Product Brochure

Final Note: See Gilbarco Veeder-Root document, SP-3410 for more information regarding the blend wall and EPA’s possible move to approve E15 as a standard motor fuel in the US and its use with standard Gilbarco dispensing equipment.

[Home](#) → [Products](#) → [Pipe Thread Sealants](#) → [Gasoil® E-Seal Thread Sealant](#)



Gasoil® E-Seal Thread Sealant

Non-hardening, non-toxic, opaque, dark green paste designed specifically for ethanol blended gasoline including E10 and E85 (for 100% ethanol or 100% methanol applications - use Gasoil 100).

Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, fuel lines and couplings.

For use on brass, copper, stainless steel, aluminum, black pipe, tin and galvanized pipe.

Excellent resistance to gasoline, ethanol blended gasoline such as E10 and E85, petroleum solvents, kerosene diesel oil, BioDiesel propane, jet fuels, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam and potable water.

NOT for use on oxygen.

Temperature Range: -100°F to 600°F (-74°C to 318°C).

Pressure Range: Up to 10,000 psi when sealing liquids and up to 3,000 psi with gases.

One year shelf life.

Distributors

GASOILA
CHEMICALS



Translated Information for Download



Related < >



Fast Anal Seal



Gasoil Thread PTFE



Gasoil Thread Sealant

[Additional Info](#)

[Data Sheets](#)

FPC Stock Code	Container Size	Units per Case
GE04	1/4 pt. Brush	24
GE08	1/2 pt. Brush	24
GE16	1 pt. Brush	12



FIBERGLASS-COMPOSITE PIPE GROUP

Group Headquarters
9720 Cypresswood Drive, Suite 325
Houston, Texas 77070
Telephone: 832.912.8282
Fax: 832.912.9393

August 30, 2011

Subject: Bio-Fuel Compatibility

To Whom It May Concern:

Ameron Dualoy[®] 3000/L and 3000/LCX fiberglass piping systems (pipe, fittings and adhesive) are compatible with all concentrations of ethanol and ethanol blended fuels, from 0% to 100% ethanol content in gasoline.

The Dualoy product lines are also compatible with all concentrations of methanol blended fuels and all concentrations of bio-diesel.

Ameron Dualoy products are the only fully Listed systems for all applications, fuels and product types by Underwriters Laboratories Standard 971-2004.

Dualoy products were the first Listed by UL for full alcohol compatibility in 1988. Prior to that date, UL did not offer a Listing for alcohol blended fuels, although legacy Dualoy products prior to the Listing were compatible with ethanol and all concentrations of ethanol blended fuels.

For questions or other information needs, please contact Joie L. Folkers – Vice President Sales & Marketing at the above address or phone number or at jfolkers@ameron.com.

Respectfully submitted,

A handwritten signature in blue ink that reads 'Joie L. Folkers'.

Joie L. Folkers
Vice President Sales & Marketing
Ameron International
Fiberglass-Composite Pipe Division-USA

JLF/vo





S. Bravo Systems, Inc.
2929 Vall Avenue
Commerce, CA 90040
1-800-AT-BRAVO
www.sbravo.com

Wednesday - August 25 - 2010

R3 10.21.13

RE: Bravo Fiberglass Sumps and Alternative fuels

This letter is to certify the compatibility of Bravo (S. Bravo Systems, Inc.) Single and Double Wall Fiberglass Containment Sumps with Alternative Fuels such as Biodiesel and Ethanol blended fuels. It also addresses compatibility with DEF Diesel Exhaust Fluid.

Bravo Fiberglass products are engineered with the same UL Listed materials used in the manufacture and certification of Fiberglass Tanks, matching the UL Standard 1316. Since our Fiberglass containment sumps are Built like a Tank, they can withstand continuous fuel exposure to Biodiesel, Ethanol and Alcohol blends without failure.

All DoubleWall Containment Sumps are engineered to be fully compliant with the California State Water Resource Control Board Assembly Bill AB-2481 for DoubleWall Sumps and Continuous Monitoring Systems.

The following Single and Double Wall Containment Sumps manufactured by Bravo Systems in Commerce, California are compatible with Biodiesel and Ethanol fuel blends up to B100 and E100, respectively.

- > B3XX Series Spill Buckets
- > B4XX Series Tank Sumps & Covers
- > B5XX Series Planter Transition Sumps
- > B6XX Series Walkover Transition Sumps
- > B7XX Series H-20 Rated Transition Sumps
- > B8XX Series Transition Sumps
- > B1XXX Series UDC Sumps
- > B7XXX Series UDC Sumps
- > B8XXX Series UDC Sumps
- > B9XXX Series UDC Sumps

Bravo Systems also certifies that these products are compatible with and approved for use in secondary containing DEF Diesel Exhaust Fluid.

Each respective Series may be UL Listed in addition to being manufactured of UL recognized materials approved for use in the manufacture of Fiberglass UST tanks. Any other relevant documentation will be located in the documents area of each product's respective webpage.

Please feel free to contact us with any questions you may have at 800-AT-BRAVO.

Additionally, you may find further information at www.sbravo.com.

Sincerely,

Jonathan E. Smith
Director of Brand Management
S. Bravo Systems, Inc.





Engineering Report

Underground Tank Alcohol Compatibility

William A. Schneider
9/25/03

All Containment Solutions Inc. (CSI) single and double wall fuel tanks manufactured since the inception of CSI on 1/1/1995 are listed by Underwriters Laboratories Inc. under UL Standard 1316 (*Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*) for the storage of "Petroleum Products, Alcohols and Alcohol-Gasoline Mixtures" under UL file MH7991..

The listing includes gasoline, gasoline-ethanol blends at any level of ethanol, gasoline-methanol blends at any level of methanol, 100% ethanol, and 100% methanol.

On 1/1/95, CSI purchased the assets of Owens Corning (OC) who previously developed and then manufactured fiberglass reinforced plastic underground storage tanks for fuel storage starting in the mid 60's. Documents produced by OC concerning the alcohol compatibility of their tanks are available from Owens Corning.



FIREFLEX FLEXIBLE CONNECTORS

Since their introduction in 1995, FLEX-ING™ FIREFLEX Flexible Connectors have quickly become the industry standard and benchmark for quality as a means to easily connect pipework system to other systems components such as submersible pumps or shear valves. The benefit of their use is undeniable. They have quickly become an integral part of any installation. Installers love their ease of installation while station owners have come to depend on their durability and how easy they make regular maintenance. With tons of available options, Franklin Fueling Systems has the right connector to fit any application.

Highlights

Flexibility is Key

When it comes to Flexible Connectors, flexibility is key. The tight working conditions found in dispenser and tank sumps provide little room for installers to work, motivating some manufacturers of flexible connectors to sacrifice overall strength for flexibility. With FLEX-ING™ FIREFLEX Flexible Connectors, there's no need to compromise. Their corrugated fuel contact layers feature a 25% thicker metal construction and gain flexibility from having more corrugations per foot rather than thinner walls.

Quality Construction

Enclosing the corrugated fuel contact layer is a stainless steel braid that is manufactured from only high-grade stainless steel. The precision braiding process used to manufacture the braid gives strength while still maintaining flexibility. These layers are tied together with a hand-welded coupler ring, and are factory pressure-tested for zero leaks.

Ready for Anything

FLEX-ING™ FIREFLEX Flexible Connectors are available in a multitude of end connections to ensure the right fit for any application - including tees, elbows and FRP transitions. Standard male and female end connections with integrated hex-head surfaces provide easy installation and tightening. The male swivel end connection option allows for the ultimate in ease of installation. The male swivel end connection option features a three-gasket, x-ring seal design. This adds up to a total of six seals, eliminating potential leak paths.

EZ Fit Flexible Connectors

The EZ FIT union style coupling system is specifically designed to make connections in confined spaces simple and tight. The entire flexible connector assembly can be quickly and easily disconnected and pulled out of the inline system without breaking pipe. This feature makes installation fast and regular maintenance simple to carry out. Each EZ FIT union style coupling comes complete with couplers and gaskets..

Specifications

- USA NFPA 30-A fire rated
- All metal construction means one flexible connector for both above and below ground applications
- An 18-8 alloy outer shell, 321 Stainless Steel inner core provides a long service life
- Thick, schedule 80 hex end fittings protect against deformation of the ends
- 100% pressure tested to assure quality
- UL 2039 listed for 50psi working pressure
- EZ FIT clamp and gasket are included with each assembly

Certifications

- UL 2039 listed for above and below ground installation; for use with gasoline, gas alcohol blends (up to E85), diesel and biodiesel.





THE DEFENDER SERIES® SPILL CONTAINMENT

The field-proven Defender Series® has gone toe-to-toe with the worst conditions the world's forecourts could throw at it and came out with a reputation for dependability and versatility. So how could you possibly improve upon the most dependable spill containment series on the market? For starters, we've integrated it into our rugged multiport platform and outfitted it for complete biofuel compatibility. The best defense just got better.

Highlights

Spills In, Water Out

The foremost function of a spill container is to keep spills in and keep water out all while enduring constant attack from weather, forecourt traffic and continuous fuel delivery handling. The rugged concrete ring, sturdy snow plow ring, integrated liquid dam and gasketed lid keep the Defender Series® capturing spills and repelling water intrusion for maximum protection of your liquid investment.

Ready for Anything

Regulations and requirements are constantly changing. The Defender Series® lets you choose a single wall spill containment option with the ability to upgrade to a double wall spill containment option in the future for twice the protection. The upgrade is simple and can be carried out without having to break concrete; an expense and hassle that no one wants to encounter.

Easy Installation and Retrofit

Let's face it; installations don't always go exactly as planned. Installers will love the variable height adjustment feature of the Defender Series®, which allows for 3 inches of adjustment in installation height, making it easy to ensure proper grade level installation. This feature also allows for easy replacement of most any other spill container in retrofit applications.

Interstitial Monitoring (double-wall versions only)

The peace of mind in knowing your double wall spill containment is performing as it should is priceless. The Defender Series® features two options, both mechanical and electronic, to receive immediate confirmation of the integrity of the interstitial space so you can spend less time worrying about the possibility of leaks.

Multiport Platform

Franklin has integrated the direct bury Defender Series® spill container into its multiport platform for a new level of protection and complete ease of access. With several layout configurations to choose from, the multiport platform lets you incorporate all of your spill containment into one space-saving area.

Multiport & Direct Bury Upgrade

With the multiport platform you have the option to choose single wall spill containers now with the freedom to upgrade to double wall in the future. When the time is right, simply unbolt the multiport top and replace the spill containers. Replacement is different for multi vs direct bury. In direct fill, you unbolt the plow ring and remove the bucket; on multiports you remove the large treadplate lid and change out the buckets.

Simple Maintenance

Maintenance with the Defender Series® is a breeze. With the direct bury models, you can easily replace interior containment without having to break concrete. The Defender Series® plow ring bolts are completely protected – located inside the interior of the container shielding them from the potential wear and tear of the forecourt environment.

Fully Biofuel Compatible

The Defender Series® incorporates only the highest-grade biofuel compatible components, which allow for use with petroleum, petroleum/alcohol blends (including E-85), diesel and biodiesel.



BIOFUEL

COMPATIBLE COMPLETE SYSTEMS

AG Model STPs Now UL Listed for E85 Applications

THE FUTURE OF THE FUELING
INDUSTRY IS NOW.

With many submersible turbine pump innovations and industry firsts already to its credit, FE Petro submersible turbine pumps from Franklin Fueling Systems are now UL listed for use in applications containing ethanol concentrations up to 85%.

In addition to great benefits like faster fueling times, safe and easy maintenance and simple servicing that FE Petro STPs already offer, now you can rest easy knowing you have an STP E85 application that is backed by a globally known and trusted safety certification resource. Franklin Fueling Systems has a full line of approved AG models to meet the varying needs of its customers.

Available AG Models

- Intelligent STPs
- 2 hp fixed speed STPs
- 1.5 hp fixed speed STPs
- 1/3 and 3/4 hp fixed speed STPs
- Fixed length STPs

Complete Biofuel Compatible Systems

Components of FFS systems are designed together, to work together, ensuring environmental compliance and overall safety.

Enhanced component design, including the incorporation of stainless steel and high grade elastomers, ensures compatibility and durability while preventing fuel contamination.

Franklin's global customer service and technical support team allow a single point of contact for all your Biofuel system needs.



Franklin Fueling Systems

AG Compatible Submersible Turbine Pumps

FE PETRO

Intelligent Submersible Turbine Pumps

Model	Description	Model Length
ISTM-1	2 hp variable speed with MagShell™	69"-87"
ISTM-2	2 hp variable speed with MagShell™	90"-151"
ISTM-3	2 hp variable speed with MagShell™	122"-213"
ISTMVS4-VL1	4 hp variable speed with MagShell™	64"-92"
ISTMVS4-VL2	4 hp variable speed with MagShell™	95"-156"
ISTMVS4-VL3	4 hp variable speed with MagShell™	127"-218"

2 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAGM200-VL1	2 hp AG fixed speed with MagShell™	63"-91"
STPAGM200-VL2	2 hp AG fixed speed with MagShell™	94"-154"
STPAGM200-VL3	2 hp AG fixed speed with MagShell™	126"-217"
STPAGHM200-VL1	2 hp AG high pressure fixed speed with MagShell™	63"-92"
STPAGHM200-VL2	2 hp AG high pressure fixed speed with MagShell™	94"-156"
STPAGHM200-VL3	2 hp AG high pressure fixed speed with MagShell™	126"-218"

1½ hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG150-VL1	1½ hp AG fixed speed	60"-88"
STPAG150-VL2	1½ hp AG fixed speed	91"-152"
STPAG150-VL3	1½ hp AG fixed speed	123"-214"
STPAGH150-VL1	1½ hp AG high pressure fixed speed	61"-89"
STPAGH150-VL2	1½ hp AG high pressure fixed speed	92"-152"
STPAGH150-VL3	1½ hp AG high pressure fixed speed	124"-215"

1/3 and 3/4 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG33-VL1	1/3 hp AG fixed speed	55"-83"
STPAG33-VL2	1/3 hp AG fixed speed	86"-147"
STPAG33-VL3	1/3 hp AG fixed speed	118"-209"
STPAG75-VL1	3/4 hp AG fixed speed	57"-86"
STPAG75-VL2	3/4 hp AG fixed speed	88"-149"
STPAG75-VL3	3/4 hp AG fixed speed	120"-212"

Fixed Length Submersible Turbine Pumps

Model	Description	Model Length
STPAG33	1/3 hp fixed speed	37"-132"
STPAG75	¾ hp fixed speed	37"-132"
STPAG150	1½ hp fixed speed	37"-132"
STPAGH150	1½ hp high pressure fixed speed	37"-132"
STPAGM200	2 hp fixed speed with MagShell™	37"-132"
STPAGHM200	2 hp high pressure fixed speed with MagShell™	37"-132"



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 Tel: USA & Canada 1 800 225 9787 • Tel: Mexico 001 800 738 7610



FFS-0129 01-10



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[62M-MA Monitoring Cap EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85>

62M-MA Monitoring Cap EVR Approved for E85, OPW Retail Fueling 62M-MA for use with E85 CARB /EVR Approved for use with E85 Anodized aluminum construction Includes 3/8" Pipe Plug and 3/8" Grommet Fitting Compatible with 1/2" Grommet (sold separately) Product No. Body Cap Grommet Riser Thread Weight In. mm In. mm lbs. kg 62M-MA Anodized Aluminum, 62M-MA Monitoring Probe Cap EVR Approved for E85

[61T-SS Drop Tube E85 EVR Approved \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved>

61T-SS Drop Tube E85 EVR Approved, OPW Retail Fueling 61T-SS for use with E85 EVR Approved for use with E85 Stainless Steel construction 4" Diameter in 12' or 17' Lengths – Accommodate a variety of tank diameters and fill riser pipe sizes. Drop Tube Length Product No. in. mm lbs. kg ft. m 61T-SS-0412 4 102 6.18 2.80 12 3.66 61T-SS-0417 4 102 13 5.9 17 5.19 61T-SS Series Drop Tube

[71JSK Series Jack Screw Kit EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85->

71JSK Series Jack Screw Kit EVR Approved for E85 , OPW Retail Fueling 71JSK for use with E85 Product # Description 71JSK-4RMT Remote Fueling Jack Screw Kit E85 EVR Approved 71JSK-44MA Jack Screw Kit for Cast Iron Base Spill Buckets E85 EVR Approved CARB /EVR Approved for use with E85 Nickel Plated Aluminum Works in conjunction with our 71SOM for remote fueling applications Includes cages for both cast iron and composite base spill containers Eliminates notorious leak



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[71SOM Vapor Tight Overfill Prevention Valve for Alcohol \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/71som-vapor-tight-overfill-prevention-valve-for-alcohol/>

71SOM Vapor Tight Overfill Prevention Valve for Alcohol, OPW Retail Fueling 71SOM for use with E85 Nickel plated aluminum, anodized aluminum, stainless steel and other compatible materials, excavation, manholes or vent piping are required. CARB /EVR Approved for use with E85 Constructed, Installation Tool 2.5 1 71JSK-44MA Jack Screw Kit EVR Approved for E85 1.5 0.7 71JSK-4RMT Remote Fueling Jack Screw Kit EVR Approved for E85 1 0.5 NOTE: The 71SOM Overfill

[233 Series Extractor Fittings \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/>

% Ethanol (E85) or Methanol (M85) Body: Duragard® Coated Cast Iron Cage Assembly: ZA12 Zinc/Alloy, Fittings are EVR Approved for E85 233 Series Extractor Fittings FlexWorks Vent Pipe Installation

[61T Drop Tube \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overfill-prevention-valves/61t-drop-tube/>

17 5.19 E85 EVR Approved Drop Tube Length Product No. in. mm lbs

[OPW 241TPS Series Hose Swivels \(/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/\)](/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241tps-series-hose-swivels/)

Internal Dimension as Standard 633T Adaptors – To minimize pressure drop and maximize flow rates for quick product delivery. 61SALP-MA - EVR Approved for use with E85 61SALP Adaptor: bronze Base: bronze Retaining ring: conductive nylon Set screws

OPW 21Ge™ Series Ethanol Nozzles (/products/temporary-/opw-21ge-series-ethanol-nozzles)

/products/temporary-/opw-21ge-series-ethanol-nozzles

3/4" F (NPT) 19 F x 19 F 0.6 0.27 Valve for up to E85 / 300 lb. □66V Series 3/4

10 Plus Series Emergency Shut-Off Valves (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves

Double Pressure Combination E85 10P-0152E85 1-1/2" 4 6.8 3.10 NPT Double

1 2 3 4 5

(http://www.opwglobal.com/search-results/retail/page/2?indexCatalogue=retail&searchQuery=E85+&wordsMode=0)

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OPW, A Dover Company (<http://www.dovercorporation.com>)

The following U.S. patents have expired:

4,199,012; 4,351,375; 4,429,725; 4,505,308; 4,453,578; 4,497,350; 4,557,302; 4,649,969; 4,682,714; 4,825,914; 4,971,121; 5,007,468; 5,135,029.

OPW claims no rights in any patent beyond its expiration.

10183



FRP Tank Job Information Sheet

CSI Contact: RITA HARRIS Email: rita.harris@nov.com Date: 3/10/20
 Customer Name: Hoyt Ary Email: hoyt@andersonpump.com
 Company: ANDERSON PUMP SERVICE, INC. Purchase Order #: HA10183-02
 Project: LENNY'S FOOD & FUEL - TINLEY

The information marked below is required to complete your order. Please email this document to the above CSI Contact email address or fax 1-800-839-4727 within 24 hours to avoid delays.

Complete Shipping Address: 7451 183RD Street Tinley Park
 (Only needed if not provided on PO, or is different than PO)

	Dia. / Gal.	Petroleum			Potable	Flowtite® Water			Specify:
		Gas	Diesel	Other		Septic	Fire	Other	
<input type="checkbox"/> Tank Size:	<u>10 1/2 10'</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>E85</u>
<input type="checkbox"/> Tank Size:	<u>10' 20K</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Tank Size:	<u>6' 1 3K</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>DEF</u>
<input type="checkbox"/> Turnbuckles for Tanks		<input type="checkbox"/> Deadmen Even with Bottom of Tank			<input type="checkbox"/> Deadmen Below Bottom of Tank				
<input type="checkbox"/> Project Type:		<input type="checkbox"/> New Construction			<input type="checkbox"/> Tank Replacement				

Because proper installation of each tank is essential to validate the tank warranty, CSI strongly encourages participation in our Contractor Training Program. Attached to this Job Information Sheet is a letter providing information about our Contractor Training.

Installing Contractor: ANDERSON PUMP SERVICE Primary Contact: HOYT ARY
 Contractor's Contact Phone #: 708 906 6178 Primary Email: hoyt@andersonpump.com
 Contractor's Phys. Address: 19659 S. 97TH AVE MAXWELL IL 60448

Pre-Production Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Primary Site Contact: HOYT ARY Phone: 708.906.6178 Email: hoyt@andersonpump.com
 Secondary Site Contact: STEVE KRILL Phone: 708.243.9081 Email: Steve@andersonpump.com

Please sign and date your approval below, as well as the attached drawing(s).
 Requested Delivery Date (MM/DD/YY): 5/28/20 **THIS DATE WILL NOT BE GUARANTEED.**
 ASAP is not an acceptable date.

TANK(S) WILL BE SCHEDULED ON RECEIPT OF FINAL SIGNED/APPROVED DRAWINGS AND COMPLETED JOB INFORMATION SHEET.

Tanks fabricated and not shipped within **30 DAYS** of original ship date will be invoiced.
 Tanks will not be put into production until a written confirmation is received that the job is on schedule.
 By signing this form, buyer acknowledges that Containment Solutions, Inc. (CSI) Terms & Conditions attached hereto shall supersede buyers Terms & Conditions (if any) for this order as well as all future orders placed with CSI.

Buyers Signature: [Signature] Date: 3/11/20

Notes: _____

FOR CSI INTERNAL USE ONLY

PLANT: Tulsa Mt. Union Bakersfield

TRAINED CONTRACTOR: Yes / No Expiration Date: _____ / Requested Training Date: _____



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	8/15/2022	
Decal #		
Expiration Date		
Notification Form Received	Y	N
	<input type="radio"/>	<input checked="" type="radio"/>
NOV Issued	Y	N
	<input checked="" type="radio"/>	<input type="radio"/>

INITIAL CERTIFICATION AUDIT

Facility Type: Commercial / Retail
 Ownership: Private

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 W 185th Street Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Len McEnergy 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County
Len McEnergy 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated	Compliant
1	20,000	<u>Gasoline - Regular</u>	Currently in use	Federal	<input type="checkbox"/>
2	6,000	<u>Gasoline - Premium</u>	Currently in use	Federal	<input type="checkbox"/>
3	12,000	<u>Diesel Fuel</u>	Currently in use	Federal	<input type="checkbox"/>
4	10,000	<u>E-85</u>	Currently in use	Federal	<input type="checkbox"/>

SECTION A. TANK RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>
2	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>
3	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>
4	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>

SECTION B. PIPING RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Electronic Pressurized Line Leak Detection	12/2/2021
2	Electronic Pressurized Line Leak Detection	12/2/2021
3	Electronic Pressurized Line Leak Detection	12/2/2021
4	Electronic Pressurized Line Leak Detection	12/2/2021

SECTION C. SPILL PREVENTION

Tank	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
2	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
3	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
4	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve	11/19/2020
2	Overfill Drop Tube Valve	11/19/2020
3	Overfill Drop Tube Valve	11/19/2020
4	Overfill Drop Tube Valve	11/19/2020

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION G. TANKS

Tank	Equipment
1	Fiberglass Double Wall Containment Solutions

2	Fiberglass Double Wall Containment Solutions
3	Fiberglass Double Wall Containment Solutions
4	Fiberglass Double Wall Containment Solutions

SECTION H.	PRODUCT PIPING
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Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX
2	Fiberglass Double Wall Ameron Dualoy 3000/LCX
3	Fiberglass Double Wall Ameron Dualoy 3000/LCX
4	Fiberglass Double Wall Ameron Dualoy 3000/LCX

SECTION I.	PIPING CONTAINMENT SUMPS
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Tank	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
2	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
3	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
4	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>

SECTION J.	DISPENSER SUMPS
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Dispenser	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1/2	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
3/4	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
5/6	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
7/8	Single Wall UDC Sump	10/1/2020	<input type="checkbox"/>

	with Non-Discriminating Sump Sensor with positive shutdown	<u>12/2/2021</u>	
9/10	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
11/12	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
13/14	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
15/16	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
17/18	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
19/20	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
21/22	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
23	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
23/24	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
24/25	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>
26	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	<u>10/1/2020</u> <u>12/2/2021</u>	<input type="checkbox"/>

SECTION K. MISCELLANEOUS

- Y N
- Did Owner/Operator submit required documentation for Financial Responsibility?
 If so: FR Reporting Due: 12/5/2022
 - A list of designated A, B, and C operators for the facility is available?
 - Owner/Operator has valid training certificates available for classes A/B/C?
 If so: Number: 1
 - Owner/Operator has valid training certificates available for only class C? N/A

If so: Number of C: 11

- 5. A copy of the emergency instructions or emergency procedures form is available?
- 6. A copy of the UST facility operation and maintenance plan is available?
- 7. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months?
- 8. Have the annual walkthrough inspection been conducted and have the records been maintained for one year?
- 9. For unmanned facilities, is emergency contact information conspicuously posted or a 24 hour toll free number for operator dispatch prominently displayed? N/A

Remarks:

8/15/2022

X Charles Southern

Signed by: CHARLES SOUTHERN

Vicki Jackson

MNGR

Exit interview given to

Title

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	8/15/2022

TECHNICAL COMPLIANCE RATE

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 W 185th Street Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Len McEnery 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

9a. Spill Prevention Y N N/A

1. Are spill prevention device(s) present and functional? [(280.20(c)(1)(i), 280.21(d))]
2. Have the spill prevention device(s) been tested every 3 years, or if spill prevention device(s) are double wall, have the device(s) been monitored every 30 days? [280.35(a)(1)]

9b. Overfill Prevention Y N N/A

1. Are overfill prevention device(s) present and functional? [280.20(c)(1)(ii) and 280.21(d)]
2. Has overfill prevention device(s) been tested/inspected every 3 years? [280.35(a)(2)]
3. Identify all of the overfill prevention methods used:
 - a. Ball float valves
 - b. Flapper valve
 - c. Overfill alarm

9c. Corrosion Protection Y N N/A

1. Are buried metal tank and piping (includes fittings, connections, swing joints flex connectors, etc.) protected from corrosion? [280.20(a), 280.20(b), 280.21(b) and 280.21(c)]
2. Has cathodic protection system been tested/inspected, within 6 months of repair of cathodic protected UST system? [280.33(e)]
3. Is the impressed current corrosion protection system properly operated, maintained and tested annually to provide continuous protection, including USTs in temporary closure? [280.31(a)(b) and 280.70(a)]
4. Have UST system(s) with impressed current cathodic protection been inspected every 30 days to ensure equipment is running properly? [280.31(c)]
5. Is the sacrificial anode corrosion protection system properly operated, maintained and tested every 3 years to provide continuous protection, including USTs in temporary closure? [280.31(a)(b) and 280.70(a)]
6. Are lined tank(s) inspected every 5 years, and have any tank(s) failing the lining inspection been placed in permanent closure? [280.21(b)(1)(ii)]

9d. Release Detection Y N N/A

1. Is the appropriate leak detection present, operating properly and meet the specific performance standards? [280.40(a), 280.40(a)(1) and 280.43(a)(3)]

2. Are tanks and piping monitored monthly or a periodic line tightness test performed for releases and are records available for the two most recent consecutive months and for 10 of the last 12 months? [280.41(a)(b) and 280.45(b)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Has the electronic and mechanical release detection equipment been tested annually? [280.40(a)(3) and 280.45(b)(1)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Have the containment sump(s) been tested every 3 years, or if containment sump(s) are double wall, have the device(s) been monitored every 30 days? [280.35]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Has the implementing agency been notified of a suspected release as required? [280.40(b)]	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10. Operator Training	Y	N	N/A
1. Does the facility meet all the requirements of the operator training program (i.e., A/B operators are properly trained, if applicable have the A/B operators been retrained, are training records on site and available for review)? [280.240 - 280.245]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. Financial Responsibility	Y	N	N/A
1. Has the annual financial responsibility requirement been met?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Operation and Maintenance	Y	N	N/A
1. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months? [280.36(a) and 280.36(b)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Have the annual walkthrough inspection been conducted and have the records been maintained for one year? [280.36(a)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	10/6/2022	
Decal #	X002916	
Expiration Date	12/31/2024	
Notification Form	Y	N
Received	<input type="radio"/>	<input checked="" type="radio"/>
	Y	N
NOV Issued	<input type="radio"/>	<input checked="" type="radio"/>

SUBSEQUENT CERTIFICATION AUDIT

Facility Type: Commercial / Retail
 Ownership: Private

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 W 185th Street Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Len McEnergy 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County
Len McEnergy 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated	Compliant
1	20,000	<u>Gasoline - Regular</u>	Currently in use	Federal	<input checked="" type="checkbox"/>
2	6,000	<u>Gasoline - Premium</u>	Currently in use	Federal	<input checked="" type="checkbox"/>
3	12,000	<u>Diesel Fuel</u>	Currently in use	Federal	<input checked="" type="checkbox"/>
4	10,000	<u>E-85</u>	Currently in use	Federal	<input checked="" type="checkbox"/>

SECTION A. TANK RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>
2	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>
3	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>
4	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>12/2/2021</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>12/2/2021</u>

SECTION B. PIPING RELEASE DETECTION

Tank	Equipment	Last Passing Test

1	Electronic Pressurized Line Leak Detection	12/2/2021
2	Electronic Pressurized Line Leak Detection	12/2/2021
3	Electronic Pressurized Line Leak Detection	12/2/2021
4	Electronic Pressurized Line Leak Detection	12/2/2021

SECTION C. SPILL PREVENTION

Tank	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
2	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
3	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>
4	Double Wall Spill Bucket	10/1/2020	<input type="checkbox"/>

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve	11/19/2020
2	Overfill Drop Tube Valve	11/19/2020
3	Overfill Drop Tube Valve	11/19/2020
4	Overfill Drop Tube Valve	11/19/2020

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION G. TANKS

Tank	Equipment
1	Fiberglass Double Wall Containment Solutions
2	Fiberglass Double Wall Containment Solutions
3	Fiberglass Double Wall Containment Solutions

4	Fiberglass Double Wall Containment Solutions
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SECTION H. PRODUCT PIPING

Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX
2	Fiberglass Double Wall Ameron Dualoy 3000/LCX
3	Fiberglass Double Wall Ameron Dualoy 3000/LCX
4	Fiberglass Double Wall Ameron Dualoy 3000/LCX

SECTION I. PIPING CONTAINMENT SUMPS

Tank	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
2	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
3	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
4	Single Wall STP/Tanktop Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>

SECTION J. DISPENSER SUMPS

Dispenser	Equipment	Last Passing Test / Last 30 Day Chk	30 Day
1/2	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
3/4	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
5/6	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
7/8	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
9/10			

	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
11/12	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
13/14	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
15/16	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
17/18	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
19/20	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
21/22	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
23	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
23/24	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
24/25	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>
26	Single Wall UDC Sump with Non-Discriminating Sump Sensor with positive shutdown	10/1/2020 12/2/2021	<input type="checkbox"/>

SECTION K. MISCELLANEOUS

- Y N
- Did Owner/Operator submit required documentation for Financial Responsibility?
 If so: FR Reporting Due: 12/5/2022
 - A list of designated A, B, and C operators for the facility is available?
 - Owner/Operator has valid training certificates available for classes A/B/C?
 If so: Number: 1
 - Owner/Operator has valid training certificates available for only class C? N/A
 If so: Number of C: 8
 - A copy of the emergency instructions or emergency procedures is available?

- 6. A copy of the UST facility operation and maintenance plan is available?
- 7. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months?
- 8. Have the annual walkthrough inspection been conducted and have the records been maintained for one year?
- 9. For unmanned facilities, is emergency contact information conspicuously posted or a 24 hour toll free number for operator dispatch prominently displayed? N/A

Remarks:

10/6/2022

X *Charles Southern*

Signed by: CHARLES SOUTHERN

Sherry Wilson	MNGR	
Exit interview given to	Title	Storage Tank Safety Specialist (Signature)



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 11/16/2022

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
 2. Cables are Free of Kinks Pass Fail
 3. Alarm Operates Pass Fail
 4. Alarm Communicates with Controller Pass Fail Stand Alone
 5. Floats Move Freely Pass Fail
 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

1. Proper Communication with Sensors Pass Fail N/A
 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

1. Test Alarm Pass Fail
 2. Verify System Configuration Pass Fail
 3. Test Battery Backup Pass Fail N/A
 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

1. Does the sensor activate with a float mechanism Pass Fail
 2. Cables are Free of Kinks Pass Fail
 3. Alarm Operates Pass Fail
 4. Alarm Communicates with Controller Pass Fail Stand Alone
 5. Floats Move Freely Pass Fail
 6. Shaft not Damaged or Bent Pass Fail

Test Date 11/16/2022

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 11/16/2022

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 11/16/2022

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 11/16/2022

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 11/16/2022

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 11/16/2022

Tank 4 - 10,000 gallons - E-85 - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 11/16/2022

Tank 4 - 10,000 gallons - E-85 - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 1/2 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 3/4 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 5/6 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 7/8 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 9/10 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 11/12 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 13/14 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 15/16 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 17/18 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 19/20 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 21/22 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 23/24 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 23 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 24/25 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Dispenser 26 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 11/16/2022

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name Rivera, Fernando
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab
Phone Number (847) 888-4836
Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Containment Sump Testing Form

Facility - 2047018

Licensed Contractor - IL2089

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Contractor Name Tanknology
Address 880 Church Road
Elgin, IL 60123
Phone Number (847) 888-4836

Tests

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Single Wall STP/Tanktop Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Tank 4 - 10,000 gallons - E85 - Piping - Single Wall STP/Tanktop Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Dispenser 1/2 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Dispenser 3/4 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Dispenser 5/6 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Dispenser 7/8 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Dispenser 9/10 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic
Test Result Pass
Test Date 09/05/2023

Dispenser 11/12 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 13/14 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 15/16 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 17/18 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 19/20 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 21/22 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 23 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 23/24 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 24/25 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Dispenser 26 - Dispenser - Single Wall UDC Sump

Type of Test Triennial Sump Hydrostatic

Test Result Pass

Test Date 09/05/2023

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name

Thompson, Timothy

Title

Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Containment Sump Testing Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab

Phone Number (847) 888-4836

Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Containment Sump Testing Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Tests

Tank 1 - 20,000 gallons - Gasoline - Regular - Spill Contain Device - Double Wall Spill Bucket East

Type of Test Triennial Sump Vacuum
Test Result Pass
Test Date 09/20/2023

Tank 1 - 20,000 gallons - Gasoline - Regular - Spill Contain Device - Double Wall Spill Bucket West

Type of Test Triennial Sump Vacuum
Test Result Pass
Test Date 09/20/2023

Tank 2 - 6,000 gallons - Gasoline - Premium - Spill Contain Device - Double Wall Spill Bucket

Type of Test Triennial Sump Vacuum
Test Result Pass
Test Date 09/20/2023

Tank 3 - 12,000 gallons - Diesel Fuel - Spill Contain Device - Double Wall Spill Bucket

Type of Test Triennial Sump Vacuum
Test Result Fail
Test Date 09/20/2023
Comments DSL SB failed testing - doublewall portion would not pull down vacuum at all.

Tank 4 - 10,000 gallons - E85 - Spill Contain Device - Double Wall Spill Bucket

Type of Test Triennial Sump Vacuum
Test Result Pass
Test Date 09/20/2023

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name Rivera, Fernando
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Containment Sump Testing Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab
Phone Number (847) 888-4836
Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Overfill Prevention Equipment Inspection Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
Elgin, IL 60123
Phone Number (847) 888-4836

Inspection

Tank 1 - 20000 gallons - Gasoline - Regular - Overfill Prev Device - Overfill Drop Tube Valve East

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass
Inspection Date 09/20/2023

Tank 1 - 20000 gallons - Gasoline - Regular - Overfill Prev Device - Overfill Drop Tube Valve West

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass
Inspection Date 09/20/2023

Tank 2 - 6000 gallons - Gasoline - Premium - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass
Inspection Date 09/20/2023

Tank 3 - 12000 gallons - Diesel Fuel - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass
Inspection Date 09/20/2023

Tank 4 - 10000 gallons - E85 - Overfill Prev Device - Overfill Drop Tube Valve

- 1. If required for inspection, was drop tube removed from tank? Yes No
- 2. Are drop tube and float mechanism free of debris? Yes No
- 3. Does float move freely and does poppet move into flow path? Yes No
- 4. Is bypass valve in drop tube (if present) open and unblocked? Yes No N/A
- 5. Is flapper valve adjusted to shut off flow at 95% of tank capacity? Yes No

Result of Inspection Pass
Inspection Date 09/20/2023

Inspection Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Inspection

Employee Name Rivera, Fernando
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Overfill Prevention Equipment Inspection Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab
Phone Number (847) 888-4836
Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/20/2023

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/20/2023

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/20/2023

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/20/2023

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/20/2023

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/20/2023

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 4 - 10,000 gallons - E85 - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/20/2023

Tank 4 - 10,000 gallons - E85 - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Tank 4 - 10,000 gallons - E85 - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/20/2023

Tank 4 - 10,000 gallons - E85 - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 1/2 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 3/4 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 5/6 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 7/8 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 9/10 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 11/12 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 13/14 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 15/16 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 17/18 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 19/20 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 21/22 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 23 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 23/24 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 24/25 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Dispenser 26 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/20/2023

Test Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Test

Employee Name Rivera, Fernando
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name Myreen Schaab
Phone Number (847) 888-4836
Email mschaab@tanknology.com



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	9/29/2023
Notification Form Received	Y <input type="radio"/> N <input checked="" type="radio"/>
NOV Issued	<input type="radio"/> <input checked="" type="radio"/>

EQUIPMENT VERIFICATION

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 W 185th Street Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Len McEnergy 708-444-0117 Ext. 101
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnergy 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated
1	20,000	Gasoline - Regular	Currently in use	Federal

SECTION A. TANK RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	11/16/2022
	Non-Discriminating Interstitial Monitoring Sensors	11/16/2022

SECTION B. PIPING RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Electronic Pressurized Line Leak Detection	11/16/2022

SECTION C. SPILL PREVENTION

Tank	Equipment	Last Passing Test
1	Double Wall Spill Bucket - West	10/1/2020
	Double Wall Spill Bucket - East	10/1/2020

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve - West	11/19/2020
	Overfill Drop Tube Valve - East	11/19/2020

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	_____

SECTION G. TANKS

Tank	Equipment
1	Fiberglass Double Wall Containment Solutions

SECTION H. PRODUCT PIPING

Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX

SECTION I. PIPING CONTAINMENT SUMPS

Tank	Equipment	Last Passing Test
1	Single Wall STP/Tanktop Sump	9/5/2023
	with Sump Sensor with positive shutdown	11/16/2022

SECTION J. DISPENSER SUMPS

Dispenser	Equipment	Last Passing Test

SECTION K. MISCELLANEOUS

1. Verified all new, changed, and existing equipment for tanks on this form is listed on this form? Y N

Remarks:

Added a spill bucket and drop tube to tank # 1

9/29/2023

X *Randy Carben*

Signed by: RANDALL CARBEN

Brian _____
Exit interview given to _____
Title

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	3/13/2024	
Decal #		
Expiration Date		
Notification Form Received	Y	N
	<input type="radio"/>	<input checked="" type="radio"/>
UST NOV Issued	Y	N
	<input checked="" type="radio"/>	<input type="radio"/>
MFD NOV Issued	Y	N
	<input checked="" type="radio"/>	<input type="radio"/>

INITIAL CERTIFICATION AUDIT

Facility Type: Commercial / Retail
 Ownership: Private

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
8200 185th Street, Suite K
 Street Address
Tinley Park IL 60487
 City State Zip
Leonard McEnergy 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
7451 183rd Street
 Street Address
Tinley Park IL 60487 Cook
 City State Zip County
Len McEnergy 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated	Compliant
1	20,000	<u>Gasoline - Regular</u>	Currently in use	Federal	<input type="checkbox"/>
2	6,000	<u>Gasoline - Premium</u>	Currently in use	Federal	<input type="checkbox"/>
3	12,000	<u>Diesel Fuel</u>	Currently in use	Federal	<input type="checkbox"/>
4	10,000	<u>E85</u>	Currently in use	Federal	<input type="checkbox"/>

SECTION A. TANK RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	9/20/2023
	Non-Discriminating Interstitial Monitoring Sensors	9/20/2023
2	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	9/20/2023
	Non-Discriminating Interstitial Monitoring Sensors	9/20/2023
3	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	9/20/2023
	Non-Discriminating Interstitial Monitoring Sensors	9/20/2023
4	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	9/20/2023

SECTION B. PIPING RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Electronic Pressurized Line Leak Detection	9/20/2023
2	Electronic Pressurized Line Leak Detection	9/20/2023
3	Electronic Pressurized Line Leak Detection	9/20/2023
4	Electronic Pressurized Line Leak Detection	9/20/2023

SECTION C. SPILL PREVENTION

Tank	Equipment	Last Passing Test
1	Double Wall Spill Bucket - East	9/20/2023
	Double Wall Spill Bucket - West	9/20/2023
2	Double Wall Spill Bucket	9/20/2023
3	Double Wall Spill Bucket	
4	Double Wall Spill Bucket	9/20/2023

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve - East	9/20/2023
	Overfill Drop Tube Valve - West	9/20/2023
2	Overfill Drop Tube Valve	9/20/2023
3	Overfill Drop Tube Valve	9/20/2023
4	Overfill Drop Tube Valve	9/20/2023

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION G. TANKS	
Tank	Equipment
1	Fiberglass Double Wall Containment Solutions
2	Fiberglass Double Wall Containment Solutions
3	Fiberglass Double Wall Containment Solutions
4	Fiberglass Double Wall Containment Solutions

SECTION H. PRODUCT PIPING	
Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX
2	Fiberglass Double Wall Ameron Dualoy 3000/LCX
3	Fiberglass Double Wall Ameron Dualoy 3000/LCX
4	Fiberglass Double Wall Ameron Dualoy 3000/LCX

SECTION I. PIPING CONTAINMENT SUMPS		
Tank	Equipment	Last Passing Test
1	Single Wall STP/Tanktop Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>
2	Single Wall STP/Tanktop Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>
3	Single Wall STP/Tanktop Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>
4	Single Wall STP/Tanktop Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>

SECTION J. DISPENSER SUMPS		
Dispenser	Equipment	Last Passing Test
1/2	Single Wall UDC Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>
3/4	Single Wall UDC Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>
5/6	Single Wall UDC Sump	<u>9/5/2023</u>
	with Sump Sensor with positive shutdown	<u>9/20/2023</u>

7/8	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
9/10	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
11/12	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
13/14	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
15/16	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
17/18	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
19/20	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
21/22	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
23	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
23/24	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
24/25	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023
26	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/20/2023

SECTION K.	MISCELLANEOUS
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- | | Y | N |
|--|----------------------------------|----------------------------------|
| 1. Did Owner/Operator submit required documentation for Financial Responsibility?
If so: FR Reporting Due: <u>10/26/2024</u> | <input checked="" type="radio"/> | <input type="radio"/> |
| 2. A list of designated A, B, and C operators for the facility is available? | <input checked="" type="radio"/> | <input type="radio"/> |
| 3. Owner/Operator has valid training certificates available for classes A/B/C?
If so: Number: <u>2</u> | <input checked="" type="radio"/> | <input type="radio"/> |
| 4. Owner/Operator has valid training certificates available for only class C?
If so: Number of C: <u>7</u> | N/A <input type="radio"/> | <input checked="" type="radio"/> |
| 5. A copy of the emergency instructions or emergency procedures form is available? | <input checked="" type="radio"/> | <input type="radio"/> |
| 6. A copy of the UST facility operation and maintenance plan is available? | <input checked="" type="radio"/> | <input type="radio"/> |
| 7. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months? | <input checked="" type="radio"/> | <input type="radio"/> |

- 8. Have the annual walkthrough inspection been conducted and have the records been maintained for one year?
- 9. For unmanned facilities, is emergency contact information conspicuously posted or a 24 hour toll free number for operator dispatch prominently displayed? N/A

Remarks:

3/13/2024

X *Christopher A. Lehnert*

Signed by: Christopher A Lehnert

Sherry Wilson	A/B Operator	
Exit interview given to	Title	Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	3/13/2024

TECHNICAL COMPLIANCE RATE

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnery 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

9a. Spill Prevention Y N N/A

- | | | | |
|---|----------------------------------|-----------------------|-----------------------|
| 1. Are spill prevention device(s) present and functional? [(280.20(c)(1)(i), 280.21(d))] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Have the spill prevention device(s) been tested every 3 years, or if spill prevention device(s) are double wall, have the device(s) been monitored every 30 days? [280.35(a)(1)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |

9b. Overfill Prevention Y N N/A

- | | | | |
|---|----------------------------------|----------------------------------|----------------------------------|
| 1. Are overfill prevention device(s) present and functional? [280.20(c)(1)(ii) and 280.21(d)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Has overfill prevention device(s) been tested/inspected every 3 years? [280.35(a)(2)] | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| 3. Identify all of the overfill prevention methods used: | | | |
| a. Ball float valves | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| b. Flapper valve | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| c. Overfill alarm | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

9c. Corrosion Protection Y N N/A

- | | | | |
|--|----------------------------------|-----------------------|----------------------------------|
| 1. Are buried metal tank and piping (includes fittings, connections, swing joints flex connectors, etc.) protected from corrosion? [280.20(a), 280.20(b), 280.21(b) and 280.21(c)] | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2. Has cathodic protection system been tested/inspected, within 6 months of repair of cathodic protected UST system? [280.33(e)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 3. Is the impressed current corrosion protection system properly operated, maintained and tested annually to provide continuous protection, including USTs in temporary closure? [280.31(a)(b) and 280.70(a)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 4. Have UST system(s) with impressed current cathodic protection been inspected every 30 days to ensure equipment is running properly? [280.31(c)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 5. Is the sacrificial anode corrosion protection system properly operated, maintained and tested every 3 years to provide continuous protection, including USTs in temporary closure? [280.31(a)(b) and 280.70(a)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 6. Are lined tank(s) inspected every 5 years, and have any tank(s) failing the lining inspection been placed in permanent closure? [280.21(b)(1)(ii)] | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

9d. Release Detection Y N N/A

- | | | | |
|--|-----------------------|----------------------------------|-----------------------|
| 1. Is the appropriate leak detection present, operating properly and meet the specific performance standards? [280.40(a), 280.40(a)(1) and 280.43(a)(3)] | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
|--|-----------------------|----------------------------------|-----------------------|

2. Are tanks and piping monitored monthly or a periodic line tightness test performed for releases and are records available for the two most recent consecutive months and for 10 of the last 12 months? [280.41(a)(b) and 280.45(b)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Has the electronic and mechanical release detection equipment been tested annually? [280.40(a)(3) and 280.45(b)(1)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Have the containment sump(s) been tested every 3 years, or if containment sump(s) are double wall, have the device(s) been monitored every 30 days? [280.35]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Has the implementing agency been notified of a suspected release as required? [280.40(b)]	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10. Operator Training	Y	N	N/A
1. Does the facility meet all the requirements of the operator training program (i.e., A/B operators are properly trained, if applicable have the A/B operators been retrained, are training records on site and available for review)? [280.240 - 280.245]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. Financial Responsibility	Y	N	N/A
1. Has the annual financial responsibility requirement been met?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Operation and Maintenance	Y	N	N/A
1. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months? [280.36(a) and 280.36(b)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Have the annual walkthrough inspection been conducted and have the records been maintained for one year? [280.36(a)]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

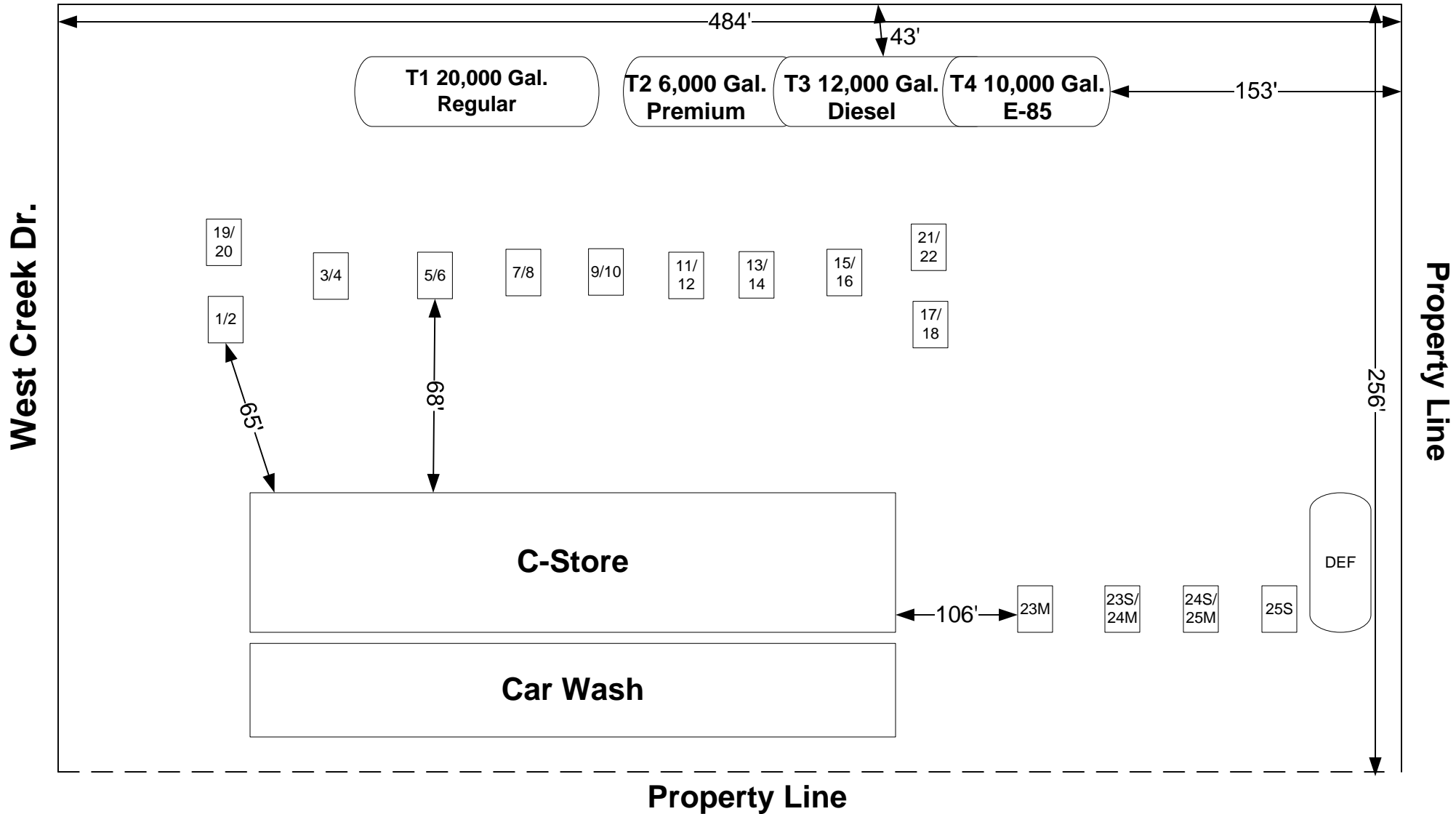


2047018
Lenny's Food N Fuel 183rd Street, LLC
7451 183rd Street
Tinley Park, Cook County
3/13/2024
Chris Lehnert

ATG		OSFM
1	20,000 Regular	1
2	6,000 Premium	2
4	12,000 Diesel	3
3	10,000 E-85	4

Drawing not to Scale

183rd St.





OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Containment Sump Testing Form

Facility - 2047018

Licensed Contractor - IL002275

<p>Facility Name Lenny's Food N Fuel 183rd Street, LLC</p> <p>Address 7451 183rd Street Tinley Park, IL 60487</p> <p>County Cook</p> <p>Contact Person Len McEnery</p> <p>Phone Number (708) 444-0117</p>	<p>Contractor Name Anderson Pump Service, Inc.</p> <p>Address 19659 South 97th Avenue Mokena, IL 60448</p> <p>Phone Number (708) 478-6190</p>
--	--

Tests

Tank 3 - 12,000 gallons - Diesel Fuel - Spill Contain Device - Double Wall Spill Bucket

Type of Test Triennial Sump Vacuum
Test Result Pass
Test Date 04/10/2024
Comments Tighten bolts on upper gasket re tested wit passing results

Test Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Test

Employee Name Turak, John
Title Pipe Fitter

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Containment Sump Testing Report Form has been completed as required by OSFM rules.

Submitter Name Hoyt Ary
Phone Number (708) 906-6178
Email hoyt@andersonpump.com



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018	
Date	4/11/2024	
Decal #	Z001276	
Expiration Date	12/31/2026	
Notification Form Received	Y <input type="radio"/>	N <input checked="" type="radio"/>
UST NOV Issued	Y <input type="radio"/>	N <input checked="" type="radio"/>
MFD NOV Issued	Y <input type="radio"/>	N <input checked="" type="radio"/>

SUBSEQUENT CERTIFICATION AUDIT

Facility Type: Commercial / Retail
 Ownership: Private

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnery 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnery 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated	Compliant
1	20,000	<u>Gasoline - Regular</u>	Currently in use	Federal	<input checked="" type="checkbox"/>
2	6,000	<u>Gasoline - Premium</u>	Currently in use	Federal	<input checked="" type="checkbox"/>
3	12,000	<u>Diesel Fuel</u>	Currently in use	Federal	<input checked="" type="checkbox"/>
4	10,000	<u>E85</u>	Currently in use	Federal	<input checked="" type="checkbox"/>

SECTION A. TANK RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>9/20/2023</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>9/20/2023</u>
2	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>9/20/2023</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>9/20/2023</u>
3	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>9/20/2023</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>9/20/2023</u>
4	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	<u>9/20/2023</u>
	Non-Discriminating Interstitial Monitoring Sensors	<u>9/20/2023</u>

SECTION B. PIPING RELEASE DETECTION

Tank	Equipment	Last Passing Test
1	Electronic Pressurized Line Leak Detection	9/20/2023
2	Electronic Pressurized Line Leak Detection	9/20/2023
3	Electronic Pressurized Line Leak Detection	9/20/2023
4	Electronic Pressurized Line Leak Detection	9/20/2023

SECTION C. SPILL PREVENTION

Tank	Equipment	Last Passing Test
1	Double Wall Spill Bucket - East	9/20/2023
	Double Wall Spill Bucket - West	9/20/2023
2	Double Wall Spill Bucket	9/20/2023
3	Double Wall Spill Bucket	4/10/2024
4	Double Wall Spill Bucket	9/20/2023

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve - East	9/20/2023
	Overfill Drop Tube Valve - West	9/20/2023
2	Overfill Drop Tube Valve	9/20/2023
3	Overfill Drop Tube Valve	9/20/2023
4	Overfill Drop Tube Valve	9/20/2023

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION G. TANKS

Tank	Equipment

1	Fiberglass Double Wall Containment Solutions
2	Fiberglass Double Wall Containment Solutions
3	Fiberglass Double Wall Containment Solutions
4	Fiberglass Double Wall Containment Solutions

SECTION H. PRODUCT PIPING

Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX
2	Fiberglass Double Wall Ameron Dualoy 3000/LCX
3	Fiberglass Double Wall Ameron Dualoy 3000/LCX
4	Fiberglass Double Wall Ameron Dualoy 3000/LCX

SECTION I. PIPING CONTAINMENT SUMPS

Tank	Equipment	Last Passing Test
1	Single Wall STP/Tanktop Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
2	Single Wall STP/Tanktop Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
3	Single Wall STP/Tanktop Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
4	Single Wall STP/Tanktop Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>

SECTION J. DISPENSER SUMPS

Dispenser	Equipment	Last Passing Test
1/2	Single Wall UDC Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
3/4	Single Wall UDC Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
5/6	Single Wall UDC Sump	9/5/2023 _____
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
7/8	Single Wall UDC Sump	9/5/2023 _____

	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
9/10	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
11/12	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
13/14	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
15/16	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
17/18	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
19/20	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
21/22	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
23	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
23/24	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
24/25	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>
26	Single Wall UDC Sump	<input type="text" value="9/5/2023"/>
	with Sump Sensor with positive shutdown	<input type="text" value="9/20/2023"/>

SECTION K.	MISCELLANEOUS
------------	---------------

- | | Y | N |
|---|----------------------------------|----------------------------------|
| 1. Did Owner/Operator submit required documentation for Financial Responsibility?
If so: FR Reporting Due: <u>10/26/2024</u> | <input checked="" type="radio"/> | <input type="radio"/> |
| 2. A list of designated A, B, and C operators for the facility is available? | <input checked="" type="radio"/> | <input type="radio"/> |
| 3. Owner/Operator has valid training certificates available for classes A/B/C?
If so: Number: <u>2</u> | <input checked="" type="radio"/> | <input type="radio"/> |
| 4. Owner/Operator has valid training certificates available for only class C?
If so: Number of C: <u>7</u> | N/A <input type="radio"/> | <input checked="" type="radio"/> |
| 5. A copy of the emergency instructions or emergency procedures is available? | <input checked="" type="radio"/> | <input type="radio"/> |
| 6. A copy of the UST facility operation and maintenance plan is available? | <input checked="" type="radio"/> | <input type="radio"/> |

- 7. Have the 30 day walkthrough inspection been conducted and have the records been maintained for the two most recent consecutive months and for 10 of the last 12 months?
- 8. Have the annual walkthrough inspection been conducted and have the records been maintained for one year?
- 9. For unmanned facilities, is emergency contact information conspicuously posted or a 24 hour toll free number for operator dispatch prominently displayed? N/A

Remarks:

4/11/2024

X *Christopher A. Lehnert*

Signed by: Christopher A Lehnert

Sherry Wilson	A/B Operator	
Exit interview given to	Title	Storage Tank Safety Specialist (Signature)



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/11/2024

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/11/2024

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/11/2024

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/11/2024

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/11/2024

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/11/2024

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 4 - 10,000 gallons - E85 - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/11/2024

Tank 4 - 10,000 gallons - E85 - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Tank 4 - 10,000 gallons - E85 - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD

Automatic Tank Gauge and other controllers:

- 1. Test Alarm Pass Fail
- 2. Verify System Configuration Pass Fail
- 3. Test Battery Backup Pass Fail N/A
- 4. Verify positive shutdown (Mandatory for systems installed after 9/1/2010 or if using low level containment test option) Pass Fail N/A

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Test Date 09/11/2024

Tank 4 - 10,000 gallons - E85 - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 1/2 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 3/4 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 5/6 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 7/8 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 9/10 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 11/12 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 13/14 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 15/16 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 17/18 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 19/20 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 21/22 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 23 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 23/24 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 24/25 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Dispenser 26 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 09/11/2024

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name Fillmore, Matthew
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name myreen schaab
Phone Number (800) 666-0268
Email mschaab@tanknology.com



Blended Fuel Compatibility Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Name Len McEnery
Phone Number (708) 444-0117

Tank - 4

Tank Material Fiberglass Double Wall
Tank Capacity 10,000
Tank Product E85
Tank Install Date 8/7/2020

Tank Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Fiberglass Double Wall	Containment Solutions	Manufacturer Approval	e85 containment solutions .pdf	

Piping Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Fiberglass Double Wall	Ameron Dualoy 3000/LCX	Manufacturer Approval	e85 frp pipe.pdf	
Shear Valve	OPW 10 series	Manufacturer Approval	e85 opw all.pdf	

Containment Sump Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Single Wall STP/Tanktop Sump and udc	Bravo B421 and B1000 UDC	Manufacturer Approval	e85 bravo.pdf	
Single Wall UDC Sump	bravo b1000	Manufacturer Approval	e85 bravo.pdf	

Release Detection Tank Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Non-Discriminating Interstitial Monitoring Sensors With Monitor	Veeder Root 794380-345	Manufacturer Approval	E85 sensors.pdf	New from Permit Application.

Release Detection Piping Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Electronic Pressurized Line Leak Detection	Veeder Root 859080-001	Manufacturer Approval	e85 plld.pdf	
Sump Sensor with positive shutdown in Single Wall STP/Tanktop Sump	Veeder Root 794380-323	Manufacturer Approval	E85 sensors.pdf	

Spill Prevention Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Double Wall Spill Bucket	Franklin 705555111	Manufacturer Approval	e85 franklin spill.pdf	

Overfill Prevention Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Overfill Drop Tube Valve	OPW 71SO-410M	Manufacturer Approval	e85 opw all.pdf	

Pump Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Dispenser	gilbarco 700S	Manufacturer Approval	e85 gilbarco.pdf	
Submersible Turbine Pump	Fe Petro	Manufacturer Approval	e85 franklin all.pdf	
Nozzle	opw	Manufacturer Approval	e85 opw.pdf	
Hose	Contential	Manufacturer Approval	e85 contential hose.pdf	

Gaskets & Seals Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
None that are not part of an approved device	None that are not part of an approved device	Not Applicable		None that are not part of an approved device

Joint Dopes & Adhesives Equipment

Compatibility Item	Model/Manufacturer	Compatibility Method	Documentation	Comment
Gasola E Seal	Gasola E Seal	Manufacturer Approval	e85 dope.pdf	

Correspondence Contact

Submitter Name	Stephen Kryl	<input checked="" type="checkbox"/> By checking this box, I certify that this Blended Fuel Compatibility Form has been completed as required by OSFM rules.
Job Title	Project Manager	
Company	Anderson Pump Service, Inc.	
Phone Number	(708) 243-9081	
Email	Steve@andersonpump.com	
Contractor License #	IL002275	

Home → Products → Pipe Thread Sealants → Gasola® E-Seal Thread Sealant



Gasola® E-Seal Thread Sealant

Non-hardening, non-toxic, opaque, dark green paste designed specifically for ethanol blended gasoline including E10 and E85 (for 100% ethanol or 100% methanol applications - use Gasola 100).

Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, fuel lines and couplings.

For use on brass, copper, stainless steel, aluminum, black pipe, tin and galvanized pipe.

Excellent resistance to gasoline, ethanol blended gasoline such as E10 and E85, petroleum solvents, kerosene diesel oil, BioDiesel propane, jet fuels, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam and potable water.

NOT for use on oxygen.

Temperature Range: -100°F to 500°F (-74°C to 318°C).

Pressure Range: Up to 10,000 psi when sealing liquids and up to 3,000 psi with gases.

One year shelf life.

Distributors



Translated Information for Download



Related < >



Fast Anet Seal



Gas Tite PTFE



Gas Tite

Additional Info

Data Sheets

FPC Stock Code	Container Size	Units per Case
GE04	1/4 pt. Brush	24
GE08	1/2 pt. Brush	24
GE16	1 pt. Brush	12



Below Ground Products Fuel Compatibility Matrix

Updated 12/2018

OPW Product Number	Description	Standard Fuels: ≤15% Ethanol Gasolines ≤5% Bio-Diesel*	High Ethanol Content Gasoline: 15-100% Ethanol	High Biodiesel Content 5-20% Biodiesel*	High Biodiesel Content 5-100% Biodiesel*	Av-Gas/ Jet Fuel	Kerosene/ Fuel Oil	DEF (Diesel Exhaust Fluid)
CXXA Double Wall Piping	Double Wall Primary Piping	X	X	X	X	X	X	X
DPC Series	Double Wall Pipe Couplings	X	X	X	X	X	X	
SPC Series	Single Wall Pipe Coupling	X	X	X	X	X	X	
SBC Series	Stainless Steel Swivel Bolt On Coupling	X	X	X	X	X	X	X
SMA-1515, SMA-1520, SMA-2020, SMA-3030	E-Coated Male Adaptors	X	X	X	X	X	X	
SMA-7575, SMA-1010	Swivel Male Adaptor (Brass or Zinc Plated)	X					X	
STF-1515, STF-2020, STF-2215, STF-2020	E-Coated Swivel Tees	X	X	X	X	X	X	
SFA-7575, SFA-1010	Swivel Female Adaptor (Brass or Zinc Plated)	X					X	
SEF-1515, SRE-2015, SEF-2020, SEF-3030	E-Coated Swivel Elbows	X	X	X	X	X	X	
Polyethylene and Fiberglass Sumps	Dispenser, Tank, Loop, and Transition Sumps	X	X	X	X	X	X	X
REF Series Entry Fittings	Entry Fittings	X	X	X	X	X	X	X
DEB and EBF Series	Entry Boots	X	X	X		X	X	X
1-2100 Series / Multiports / 1-2200 Series	Spill Containers	X	X	X	X	X	X	***
FibreTite Multiports	Spill Containers	X	X	X	X	X	X	***
101BG-Series	Spill Containers	X	X	X	X	X	X	***
1-3100 Series (Edge)	Double Wall & Single Wall Spill Container Series	X	X	X	X	X	X	***
60V Series	Vapor Line Shear Valve	X	X	X	X	X	X	
10 Series	Emergency Shut Off Valve	X	X	X	X	X	X	
10 Plus Series	Emergency Shut Off Valve	X	X	X	X	X	X	
60V-DEF	DEF Series Shear Valve							X
61SALP Series	Fill Swivel Adaptor	X	X	X	X	X	X	
633T-8076	Fill Adaptor	X	X	X	X	X	X	
61VSA Series	Vapor Swivel Adaptor	X	X	X	X	X	X	
1611AVB-1625	Vapor Adaptor	X	X	X	X	X	X	
634TT-7085-EVR	Fill Cap	X	X	X	X	X	X	
1711T-7085-EVR	Vapor Cap	X	X	X	X	X	X	
634LPC-040	Low Profile Fill Cap	X	X	X	X	X	X	
1711LPC-0300	Low Profile Vapor Cap	X	X	X	X	X	X	
62M Series	Monitoring Probe Cap	X	X	X	X	X	X	X
6150 & 7150 Series	Overfill Valve	X				X	X	
61SOM & 71SOM Series	Overfill Valve Anodized	X	X			X	X	
7150-B Series	High BioDiesel Overfill Valve	X		X	X	X	X	
6111 & 61TP Series	Tank Bottom Protectors	X				X	X	
61T Series	Drop Tubes	X				X	X	
61T-SS Series	Stainless Steel Drop Tube	X	X	X	X	X	X	
61T-DEF Series	Stainless Steel DEF Drop Tube							X
233 Series	Extractor Valve	X	X	X	X	X	X	X
FCXX Series	Stainless Flex Connectors	X	X	X	X	X	X	X
53VML/30MV Series	Ball Floats	X	X	X	X	X	X	
523V Series	Pressure Vacuum Vent	X	X	X	X	X	X	X
623V Series	Pressure Vacuum Vent	X	X	X	X	X	X	X
723V Series	EVR Pressure Vacuum Vent	X	X	X	X	X	X	X

* Bio-Diesel must meet ASTM Standard for fuel quality to maintain compatibility with products above
 *** Drain plug versions compatible with DEF if installed with Stainless Steel Drop Tube between Nipple and Fill Adaptor
 ≤ Refers to less than or equal to the fuel standard rating for percentage of content



FIBERGLASS - COMPOSITE PIPE GROUP



Dualoy®3000/LCX Coaxial Fiberglass Pipe and Fittings

contained underground fuel-handling system
with rigid fiberglass primary and integral
fiberglass containment layers*

Uses and applications

Fiberglass coaxial fuel handling systems requiring Underwriters Laboratories Listing for containment piping and primary lines conveying the following fuels:

alcohols
alcohol-gasoline mixtures
diesel fuels

leaded gasolines
oxygenated fuels
unleaded gasolines

MTBE fluids

Description

Ameron Dualoy 3000/LCX fiberglass coaxial piping is a cost-effective solution for contained piping systems. LCX is used for product delivery lines in underground fuel handling systems to convey fuel from the tank to the dispensers. Dualoy 3000/LCX pipe is UL Listed for use with petroleum products, alcohols and alcohol-gasoline mixtures.

The LCX pipe is manufactured as an integral unit. The primary is made of chemically inert, non-permeable, fiberglass reinforced epoxy resin which is inherently resistant to deterioration due to water and microbial attack. This layer is covered with a porous sand layer to provide the small interstitial space which facilitates rapid leak detection. Then, the containment layer, comprised of the same material as the primary, is wound over the primary and sand layers.

The containment system is installed with custom-designed Amron clamshell containment fittings. Both the primary and containment systems are bonded for long-term, reliable performance.

- Dualoy 3000/LCX containment fittings are typically bolted in place while the adhesive cures. Rivets or clips are fastener options.
- Dualoy 3000/LCX reduces installation and inspection time dramatically, retaining system integrity.
- The Dualoy 3000/LCX double wall design significantly improves impact resistance over single wall pipe.
- Dualoy 3000/LCX fittings provide true double wall design which permits communication of the interstitial space throughout the system.

ISO-9001



CERTIFICATED FIRM

Listings and approvals



Underwriters
Laboratories Inc.®

The rigid fiberglass piping used in Dualoy 3000/LCX is Listed in the United States with Underwriters Laboratories for nonmetallic underground piping for petroleum products, alcohols and gasoline-alcohol mixtures under File No. MH9162. Dualoy 3000/LCX pipe and fittings are also listed with Underwriters Laboratories of Canada for Petroleum Products and Oxygenated Fuels (File CMH715). Underwriters Laboratories has also approved Dualoy 3000/L and Dualoy 3000/LCX for use with MTBE fluids.

* U.S. Patent No. 5,725,920

be properly evaluated in the field for the following reasons:

1. UL would be unable to certify that the internal gaskets / seals used in the meter and for all of the connections are of the specific type specified in the E85 UL file, and
2. the product falls outside the scope of expertise of the Field Evaluation Services group at UL.

How do I obtain approval from the local authorities having jurisdiction to continue using my E85 Flexible Fuel dispenser without the UL label?

Currently, UL will not allow the UL Mark to be retrofitted onto an E85 dispenser. As discussed previously, this is due to the uncertainty of internal components that may have been changed since the unit was put into service. Therefore, a customer that requires evidence that the unit was originally built with E85 compatible components may contact Gilbarco Veeder-Root Encore Marketing for this documentation.

Are the newly UL LISTED E85 Flexible Fuel dispenser models also approved by the National Conference of Weights and Measures?

Yes, Gilbarco Flexible Fuel models are approved by the National Conference of Weights and Measures. The certificate # is 02-019A16.

Does Gilbarco have retrofit kits available and approved for upgrading standard dispensers to E85?

Gilbarco has submitted retrofit kits to Underwriter's Laboratory for evaluation.

What is Gilbarco Veeder-Root's Warranty on the E85 Flexible Fuel dispenser?

The Gilbarco Veeder-Root standard 2 year dispenser warranty coverage will apply to E85 Flexible Fuel dispensers as shown in the table below.

Gilbarco Veeder-Root Warranty Coverage by Fuel Type

Products	Up to E15	E25	E85
Encore S	All Models	Flexible Fuel models*	Flexible Fuel models*
Encore 300	All Models	Flexible Fuel models*	Flexible Fuel models*
Legacy®	All Models	none	none
Gasboy®	All Models	none	none

* Specific Flexible Fuel models can be found in the GPL-1500 pricebook on page 9 and in the latest Encore Product Brochure

Final Note: See Gilbarco Veeder-Root document, SP-3410 for more information regarding the blend wall and EPA's possible move to approve E15 as a standard motor fuel in the US and its use with standard Gilbarco dispensing equipment.

Appendix B: Pipe and Associated UST Manufacturer Compatibility

Table B2 (continued). Pipe Manufacturer Compatibility with Ethanol Blends			
Manufacturer	Product	Model	Ethanol Compatibility
Bravo Systems	Under dispenser containment sumps	B1XXX, 7XXX, B8XXX, B9XXX	E0-E100
Cimtek	Filter	300MB-10, 300MB-30, 400MB-10, 400MB-30, 475XLMB-10	E0-E15
Cimtek	Filter	300BHA-01, 400BHA-01, 400BHA-05, 800BHA-01	E0-E85
Clay and Bailey	AST emergency vent	354, 365, 366, 367, 368, 369, 370	E0-E85
Clay and Bailey	AST manhole	API-650	E0-E85
Clay and Bailey	AST overfill prevention valve	1228	E0-E85
Clay and Bailey	AST spill containment	all	E0-E85
Clay and Bailey	Fill cap	94, 232, 233, 234, 235, 254	E0-E85
Franklin Fueling	All	Franklin has third-party certified equipment compatible with up to E85. Contact manufacturer for specific part numbers.	
Husky	Pressure vacuum vents	4620, 4885, 5885, 11730, 11735, 11740	E0-E85
Morrison Bros	Anodized farm nozzle	200S	E0-E85
Morrison Bros	Anti-syphon valve	912	E0-E85
Morrison Bros	AST adaptor	927	E0-E85
Morrison Bros	Ball valves	691BSS	E0-E85
Morrison Bros	Caps	305C	E0-E85
Morrison Bros	Clock gauge with alarm	918	E0-E85
Morrison Bros	Clock gauges	818	E0-E85
Morrison Bros	Combination vent/overfill alarm	922	E0-E85
Morrison Bros	Diffuser	539TO, 539TC	E0-E85
Morrison Bros	Double tap bushing	184	E0-E85
Morrison Bros	Drop tubes	419A	E0-E85
Morrison Bros	Emergency vents	244	E0-E85

Table B2 continued on next page



Below Ground Products Fuel Compatibility Matrix

Updated 8/2018

OPW Product Number	Description	Standard Fuels: ≤15% Ethanol Gasoline ≤5% Bio-Diesel*	High Ethanol Content Gasoline: 15-100% Ethanol	High Biodiesel Content 5-20% Biodiesel*	High Biodiesel Content 5-100% Biodiesel*	Av-Gas/ Jet Fuel	Kerosene/ Fuel Oil	DEF (Diesel Exhaust Fluid)
CXXA Double Wall Piping	Double Wall Primary Piping	X	X	X	X	X	X	X
DPC Series	Double Wall Pipe Couplings	X	X	X	X	X	X	
SPC Series	Single Wall Pipe Coupling	X	X	X	X	X	X	
SBC Series	Stainless Steel Swivel Bolt On Coupling	X	X	X	X	X	X	X
SMA-1515, SMA-1520, SMA-2020, SMA-3030	E-Coated Male Adaptors	X	X	X	X	X	X	
SMA-7575, SMA-1010	Swivel Male Adaptor (Brass or Zinc Plated)	X					X	
STF-1515, STF-2020, STF-2215, STF-2020	E-Coated Swivel Tees	X	X	X	X	X	X	
SFA-7575, SFA-1010	Swivel Female Adaptor (Brass or Zinc Plated)	X					X	
SEF-1515, SRE-2015, SEF-2020, SEF-3030	E-Coated Swivel Elbows	X	X	X	X	X	X	
Polyethylene and Fiberglass Sumps	Dispenser, Tank, Loop, and Transition Sumps	X	X	X	X	X	X	X
REF Series Entry Fittings	Entry Fittings	X	X	X	X	X	X	X
DEB and EBF Series	Entry Boots	X	X	X		X	X	X
1-2100 Series / Multiports / 1-2200 Series	Spill Containers	X	X	X	X	X	X	***
FibreTite Multiports	Spill Containers	X	X	X	X	X	X	***
101BG-Series	Spill Containers	X	X	X	X	X	X	***
1-3100 Series (Edge)	Double Wall & Single Wall Spill Container Series	X	X	X	X	X	X	***
60V Series	Vapor Line Shear Valve	X	X	X	X	X	X	
10 Series	Emergency Shut Off Valve	X	X	X	X	X	X	
10 Plus Series	Emergency Shut Off Valve	X	X	X	X	X	X	
60V-DEF	DEF Series Shear Valve							X
61SALP Series	Fill Swivel Adaptor	X	X	X	X	X	X	
633T-8076	Fill Adaptor	X	X	X	X	X	X	
61VSA Series	Vapor Swivel Adaptor	X	X	X	X	X	X	
1611AVB-1625	Vapor Adaptor	X	X	X	X	X	X	
634TT-7085-EVR	Fill Cap	X	X	X	X	X	X	
1711T-7085-EVR	Vapor Cap	X	X	X	X	X	X	
634LPC-040	Low Profile Fill Cap	X	X	X	X	X	X	
1711LPC-0300	Low Profile Vapor Cap	X	X	X	X	X	X	
62M Series	Monitoring Probe Cap	X	X	X	X	X	X	X
6150 & 7150 Series	Overfill Valve	X				X	X	
6150M & 7150M Series	Overfill Valve Anodized	X	X			X	X	
7150-B Series	High BioDiesel Overfill Valve	X	X	X	X	X	X	
6111 & 61TP Series	Tank Bottom Protectors	X				X	X	
61T Series	Drop Tubes	X				X	X	
61T-SS Series	Stainless Steel Drop Tube	X	X	X	X	X	X	
61T-DEF Series	Stainless Steel DEF Drop Tube							X
233 Series	Extractor Valve	X	X	X	X	X	X	X
FCXX Series	Stainless Flex Connectors	X	X	X	X	X	X	X
53VML/30MV Series	Ball Floats	X	X	X	X	X	X	
523V Series	Pressure Vacuum Vent	X	X	X	X	X	X	X
623V Series	Pressure Vacuum Vent	X	X	X	X	X	X	X
723V Series	EVR Pressure Vacuum Vent	X	X	X	X	X	X	X

* Bio-Diesel must meet ASTM Standard for fuel quality to maintain compatibility with products above

*** Drain plug versions compatible with DEF if installed with Stainless Steel Drop Tube between Nipple and Fill Adaptor

≤ Refers to less than or equal to the fuel standard rating for percentage of content



Flexsteel Futura Ethanol Dispensing Hose Assemblies

Flexsteel Futura E25

For dispensing applications where ethanol blends up to 25%. UL Approved to UL330 / UL330A.

CONSTRUCTION:

- **Tube:** Nitrile Synthetic Rubber
- **Braid:** Single Wire Braid
- **Cover:** Futurin Synthetic Rubber

ID		OD		Max WP		Weight	
in	mm	in	mm	PSI	MPa	lb/ft	kg/m
3/4	19	1.13	28.6	50	0.34	0.46	0.69

TEMPERATURE: -40°F to 140°F (-40°C to 60°C)

Fittings: Zinc Alloy, 3/4" NPT Threads

Product Code: 532-336-124

Flexsteel Futura Ehtan-ALL

UL Approved to UL330 / UL330A for use in dispensing applications up to E85.

CONSTRUCTION:

- **Tube:** Nitrile Synthetic Rubber
- **Braid:** Single Wire Braid
- **Cover:** Futurin Synthetic Rubber

ID		OD		Max WP		Weight	
in	mm	in	mm	PSI	MPa	lb/ft	kg/m
3/4	19	1.13	28.6	50	0.34	0.46	0.69

TEMPERATURE: -40°F to 140°F (-40°C to 60°C)

Fittings: 3/4" NPT Threads, Nickel Plated

Product Code: 532-337-124

Both products are available in coupled assemblies only

HOSE ASSEMBLY INSTALLATION INSTRUCTIONS

1.0 ContiTech Flexsteel Futura Ethan-ALL E85 ContiTech Flexsteel Futura E25

- 1.1 Select the correct whip and curb hose length. The maximum length of the hose assembly shall not exceed eighteen (18) feet. Lengths greater than eighteen (18) feet are permitted if acceptable to authorities having jurisdiction.
- 1.2 This assembly has NPT threads. Apply Loctite 567 thread sealant to the threads prior to installation.
- 1.3 Following installation of the hose, authorize the dispenser and inspect hose connections for liquid leaks. There shall be no liquid leaks at hose connections.
- 1.4 Hose assemblies should be inspected per PEI/RP500-11 and ARPM/IP-11-8. Check the hose assembly for leaks, kinks, blisters, bulges, flattened areas, soft spots, or any cuts or gouges deep enough to expose the wire reinforcement beneath the cover of the hose. Hose assemblies showing signs of any of these issues should be replaced.

Note: It is the responsibility of the installer to be familiar with the current requirements of state, federal, local codes and air district rules and regulations for installation of gasoline dispensing equipment.

It is also the responsibility of the installer to be aware of all the necessary safety precautions and site safety requirements to assure a safe and trouble free installation.



Veeder-Root
125 Powder Forest Drive
P. O. Box 2003
Simsbury, CT 06070-7684
USA
Phone: (860) 651-2700
Fax: (869) 651-2719

January 13, 2011

Concerned Regulatory Agency

Re: Veeder-Root Compatibility with E85

To whom it may concern:

Veeder-Root TLS branded automatic tank gauging products have UL listings for product safety. The wetted component materials used with the below listed products are deemed by Veeder-Root to be compatible with ethanol 85 applications.

<u>VR Part Number</u>	<u>Description</u>
848480-003	Pressurized Line Leak Detector
846391-4XX, 5XX, 6XX	Mag Plus Probes for Alternative Fluids without water detection
846400-004,304,104	Mag Float Kit (5" cable) for Alternative Fluids 4", 3" & 2" floats
846400-014,314,114	Mag Float Kit (10" cable) for Alternative Fluids 4", 3" & 2" floats
846400-024,324,124	Mag Float Kit (20" cable) for Alternative Fluids 4", 3" & 2" floats
794380-323	Position Sensitive Pan/Sump Sensor
794380-344	MicroSensor
794380-345	Interstitial Solid State Sensor for Fiberglass Tanks
794380-430	Interstitial Sensor for Steel Tanks

The following sensor is exposed to Brine and is not of concern in an E85 application.

794380-301 Hydrostatic Sensor

Please contact Veeder-Root Technical Support at 1-800-323-1799 with further questions.

Regards,

Bob Moss
VP Engineering

Sensor Application Matrix

Sensor Description	Form #	Page #	Where Used							Category					Fuel Compatibility													
			Dispenser Pan	Spill Containment	STP Sump	Convault Tank	Annular Space	Monitoring Well	Oil/Water Separator tank	Discriminating	Non-Discriminating	Position Sensitive	Level Sensing	Static Testing	Hydrostatic	100% Gasoline	ASTM D975 Diesel	ASTM D975 Kerosene	ASTM D7547 Jet Fuel	ASTM D7547 Aviation Gas	E-15	E-85	E-100	ASTM D7467 Bio-Diesel 20	ASTM D6751 Bio-Diesel 100	ASTM D975 Renewable (Green) Diesel	ASTM D975 Diesel Exhaust Fuel (DEF)	Waste Oil
DPS Standard Dispenser Pan	794380-322	2	X	X					X						X	X	X	X	X	X	X ¹		X		X		X	X
CSS Standard Containment Sump	794380-352	3		X	X				X						X	X	X	X	X	X	X ¹		X		X		X	X
DPO Optical Dispenser Pan	794380-320	4	X	X					X						X	X	X	X	X	X	X ¹		X		X		X	X
CSO Optical Containment Sump	794380-350	5		X	X				X						X	X	X	X	X	X	X ¹		X		X		X	X
MSS Mag Sump Sensor	857080-XXX	6	X	X	X				X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X
SSDP Solid-State Dispenser Pan	794380-321	7	X	X						X					X	X	X	X	X	X			X	X	X		X	X
SSCS Solid-State Containment Sump	794380-351	8		X	X				X						X	X	X	X	X	X			X	X	X		X	X
Piping Sump	794380-208	9	X	X	X				X						X	X	X	X	X	X			X	X	X		X	X
Non-Discriminating Standalone Dispenser Pan	847990-001	10	X	X	X				X						X	X	X	X	X	X			X	X		X	X	
Position-Sensitive	794380-323	11	X	X	X				X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X
Interstitial for Fiberglass Tanks, Discriminating	794380-343	12				X			X						X	X	X	X	X	X			X	X	X	X	X	X
Interstitial for Fiberglass Tanks	794390-409	13				X			X						X	X	X	X	X	X			X	X				
Interstitial for Fiberglass Tanks, High Alcohol	794380-345	14				X			X						X	X	X	X	X	X	X	X	X	X	X	X	X	X
Interstitial for Steel Tanks	794390-4X0	15			X	X			X						X	X	X	X	X	X			X	X		X	X	
Interstitial for Steel Tanks, Position Sensitive ²	794380-333	16		X		X			X	X					X	X	X	X	X	X	X	X	X	X		X	X	
Interstitial for Steel Tanks, High Alcohol	794380-430	17				X			X						X	X	X	X	X	X	X	X	X	X		X	X	
Interstitial for Steel Tanks, High Alcohol, small footprint	794380-344	18		X		X			X						X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hydrostatic Reservoir (Dual Point)	794380-303	19				X						X			X	X	X	X	X	X	X ¹	X ¹	X	X		X	X	
Single-Point Hydrostatic Sensor	794380-301	20				X						X			X	X	X	X	X	X	X ¹	X ¹	X	X				
Single-Point Mini-Hydrostatic Reservoir (High Alcohol)	794380-304	21				X						X			X	X	X	X	X	X	X	X	X	X	X	X	X	
Vapor	794390-700	22					X								X		X	X	X									
Groundwater	794380-62X	23					X								X	X	X	X	X	X			X	X		X	X	
Oil / Water Separator	794690-XXX	24					X								X	X	X	X	X	X			X			X	X	

¹Single use only if sensor was exposed to E85 or E100 (Test per Sensor Operability Guide [P/N 577013-814] in E-10 or less)

²Small Containment Areas (i.e. Spill Buckets)

Sensor Description	Part #	Page #	Where Used							Category							Fuel Compatibility										
			Dispenser Pan	Spill Containment	STP Sump	Convault Tank	Annular Space	Monitoring Well	Oil/Water Separator Tank	Discriminating	Non-Discriminating	Position Sensitive	Level Sensing	Static Testing	Hydrostatic	100% Gasoline	ASTM D975	Kerosene	Jet Fuel	Aviation Gas	E-15	E-85	E-100	Bio-Diesel 20	Bio-Diesel 100	Renewable (Green) Diesel	Diesel Exhaust Fuel (DEF)
Discr. Dispenser Pan	794380-322	1	X	X					X						X	X	X	X	X	X ¹		X	X		X	X	
Discriminating Containment Sump	794380-352	2		X	X				X						X	X	X	X	X	X ¹		X		X		X	X
Solid-State (Optical) Discr. Dispenser Pan	794380-320	3	X	X					X						X	X	X	X	X	X ¹		X	X			X	X
Solid-State (Optical) Discr. Containment Sump	794380-350	4		X	X				X						X	X	X	X	X	X ¹		X		X		X	X
Mag. Discr. Level Indicating Containment Sump	857080-XXX	5	X	X	X				X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X
Solid-State Non-Discriminating Dispenser Pan	794380-321	6	X	X						X					X	X	X	X	X	X ¹		X	X	X		X	X
Solid-State Non-Discriminating Containment Sump	794380-351	7		X	X					X					X	X	X	X	X	X ¹		X	X	X		X	X
Piping Sump-12' (3.66m) Cable	794380-208	8	X	X	X					X					X	X	X	X	X			X	X		X	X	
Non-Discriminating Standalone Dispenser Pan	847990-001	9	X	X	X					X					X	X	X	X	X			X	X		X	X	
Position Sensitive <i>7LS300</i>	794380-323	10	X	X	X					X	X				X	X	X	X	X	X	X	X	X		X	X	
Solid-State Discr. Interstitial for Fiberglass Tanks	794380-343	11					X		X						X	X	X	X	X			X	X	X	X	X	X
Interstitial for Double-Wall Fiberglass Tanks	794390-409	12					X			X					X	X	X	X	X			X	X				
Solid-State Interstitial for Fiberglass Tanks, High Alcohol	794380-345	13					X			X					X	X	X	X	X	X	X	X	X	X	X	X	X
Interstitial for Steel Tanks	794390-4X0	14			X		X			X					X	X	X	X	X			X		X		X	X
Interstitial for Steel Tanks, Position Sensitive ²	794380-333	15		X			X			X	X				X	X	X	X	X	X	X	X	X	X		X	X
Interstitial for Steel Tanks, High Alcohol	794380-430	16					X			X					X	X	X	X	X	X	X	X	X	X		X	X
MicroSensor	794380-344	17		X			X			X					X	X	X	X	X	X	X	X	X	X	X	X	X
(Dual-Point) Hydrostatic Reservoir	794380-303	18					X						X		X	X	X	X	X	X ¹	X ¹	X	X	X		X	X
Single-Point Hydrostatic	794380-301	19					X						X		X	X	X	X	X	X ¹	X ¹	X	X	X			
Single-Point Mini-Hydrostatic Reservoir (High Alcohol)	794380-304	20					X						X		X	X	X	X	X	X	X	X	X	X		X	X
Monitoring Well Vapor	794390-700	21						X							X		X	X	X								
Groundwater	794380-62X	22						X							X	X	X	X	X				X	X		X	X
Oil Water Separator	794690-XXX	23						X							X	X	X	X	X				X			X	X

¹ Single use only if sensor was exposed to E85 or E100 (Test per Sensor Operability Guide [P/N 577013-814] in E-10 or less)

NOTE: P/Ns with X included represent multiple part numbers.

² Small containment areas (i.e. spill buckets)



Franklin Fueling Systems

May 4, 2018

Subject: Franklin Fueling Overfill Prevention Valve (OPV) and Spill Prevention Equipment Fuel Compatibility

To Whom It May Concern,

This letter affirms that the materials used by Franklin Fueling Systems in the construction of the Overfill Prevention Valve (OPV) and Spill Prevention Equipment listed herein, as of the date of this letter, is compatible with the following fuels as defined by ASTM:

Group 1

- Gasoline (E0 to E10)
- Diesel (B0 to B5)
- Heating Fuels (Kerosene, Fuel Oil)

Group 2

- Mid-level Ethanol Fuel Blends (E11 to E50)
- Ethanol Fuel Blends (E51 to E83*)

*Commercially known as E85

Group 3

- Biodiesel Blends (B5 to B20) and Biodiesel (B100)

Group 4

- Aviation Fuels (AvGas, Jet Fuel)

Overfill Prevention Valves

Model Numbers		Groups
708591901, 708591902, 708592901, 708592902, 708593901, 708593902	Defender Series™ OPVs with standard drop tubes	1
708591921, 708591922, 708592921, 708592922, 708593923, 708593924, 708594901, 708594902	Defender Series™ OPVs, AGB	1, 2, 3, 4
708226901	Defender Series™ Remote fill splice kit	1, 2, 3, 4



Franklin Fueling Systems

Spill Containment

Model Numbers		Groups
702xxxxx, 705xxxxx, 715xxxxx	EBW Series Direct Bury Spill Containers	1
705545xxx, 705555xxx, 705556xxx	Defender Series™ Direct Bury Spill Containers	1, 2, 3, 4
DMP36xxxxxx, DMP42xxxxxx	Defender Series™ Multiports	1, 2, 3, 4
SWF-100-SS, SWV-101-SS	Stainless Steel Swivel Adapters	1, 2, 3**, 4
77720102	4" Top Seal Fill Cap	1, 2, 3
30430103, 30430104	4" Vapor Recovery Cap	1, 2, 3

**B100 not determined on this equipment

Please let me know if there are any other questions of concerns regarding Franklin Fueling Overfill Prevention Valve (OPV) and Spill Prevention Equipment Fuel Compatibility.

Regards,

Nicole Keppy
Franklin Fueling Systems
Product Manager, Service Station Hardware



S. Bravo Systems, Inc.
 2929 Vall Avenue
 Commerce, CA 90040
 1-800-AT-BRAVO
 www.sbravo.com

Wednesday - August 25 - 2010

R3 10.21.13

RE: Bravo Fiberglass Sumps and Alternative fuels

This letter is to certify the compatibility of Bravo (S. Bravo Systems, Inc.) Single and Double Wall Fiberglass Containment Sumps with Alternative Fuels such as Biodiesel and Ethanol blended fuels. It also addresses compatibility with DEF Diesel Exhaust Fluid.

Bravo Fiberglass products are engineered with the same UL Listed materials used in the manufacture and certification of Fiberglass Tanks, matching the UL Standard 1316. Since our Fiberglass containment sumps are Built like a Tank, they can withstand continuous fuel exposure to Biodiesel, Ethanol and Alcohol blends without failure.

All DoubleWall Containment Sumps are engineered to be fully compliant with the California State Water Resource Control Board Assembly Bill AB-2481 for DoubleWall Sumps and Continuous Monitoring Systems.

The following Single and Double Wall Containment Sumps manufactured by Bravo Systems in Commerce, California are compatible with Biodiesel and Ethanol fuel blends up to B100 and E100, respectively.

- > B3XX Series Spill Buckets
- > B4XX Series Tank Sumps & Covers
- > B5XX Series Planter Transition Sumps
- > B6XX Series Walkover Transition Sumps
- > B7XX Series H-20 Rated Transition Sumps
- > B8XX Series Transition Sumps
- > B1XX Series UDC Sumps
- > B7XX Series UDC Sumps
- > B8XX Series UDC Sumps
- > B8XX Series UDC Sumps



Bravo Systems also certifies that these products are compatible with and approved for use in secondary containing DEF Diesel Exhaust Fluid.

Each respective Series may be UL Listed in addition to being manufactured of UL recognized materials approved for use in the manufacture of Fiberglass UST tanks. Any other relevant documentation will be located in the documents area of each product's respective webpage.

Please feel free to contact us with any questions you may have at 800-AT-BRAVO.

Additionally, you may find further information at www.sbravo.com.

Sincerely,

Jonathan E. Smith
 Director of Brand Management
 S. Bravo Systems, Inc.





August 1, 2011

Fuel Storage Compatibility

This letter applies to all fiberglass fuel storage products manufactured since the inception of Containment Solutions, Inc. (CSI) on 1/1/1995 including:

- Single-wall underground tanks
- Double-wall underground tanks
- Triple-wall underground tanks
- ReTank® (In situ double-wall tank upgrade)
- BTU® (Bio fuel Tank Upgrade for fluid compatibility)
- Single-wall tank sumps
- Double-wall tank sumps

CSI single, double, and triple wall tanks are listed by Underwriters Laboratories Inc., under UL Standard 1316 - *Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*.

All of the above Containment Solutions' products are compatible for use with the following fuels and fuel blends:

- Gasoline, jet fuel, aviation gasoline, motor oil (new or used), kerosene, diesel motor fuel
- Alcohol-gasoline blend motor fuels
 - Gasoline-ethanol blends with up to 100% ethanol
 - Gasoline-methanol blends with up to 100% methanol
- Biodiesel-diesel blends with up to 100% biodiesel (B100 per ASTM)
- Oxygenated motor fuels with up to 20% (by volume) methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), or tertiary amyl ethyl ether (TAEE)
- Diesel fuel oil

For more information on CSI products or CSI Field Services contact:

Containment Solutions

1-877-CSI-TANK

sales@csiproducts.com

www.containmentsolutions.com

Sincerely,

A handwritten signature in black ink, appearing to read "Ron Shaffer", written in a cursive style.

Ron Shaffer
Vice President Sales & Marketing
Containment Solutions, Inc.



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Permit #	01491-2024UPG
Date	4/25/2025
Notification Form Received	<input type="radio"/> Y <input checked="" type="radio"/> N
Permit Not Executed	<input type="checkbox"/>

LOG OF UNDERGROUND STORAGE TANK UPGRADE/REPAIR

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnergy 708-444-0117
 Contact Person Phone

FACILITY

Lenny's Food N Fuel 183rd Street, LLC
 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnergy 708-444-0117
 Contact Person Phone

CONTRACTOR

IL002275

License Number

Anderson Pump Service, Inc.
 Name
 19659 South 97th Avenue
 Street Address
 Mokena IL 60448
 City State Zip
 Ron Anderson 708-478-6190 Ext. 235
 Contact Person Phone

TANK SYSTEM INFORMATION

Tank	Capacity	Product	Status	Regulated
1	20,000	Gasoline - Regular	Currently in use	Federal
2	6,000	Gasoline - Premium	Currently in use	Federal
3	12,000	Diesel Fuel	Currently in use	Federal
4	10,000	E85	Currently in use	Federal

SECTION A.

PRIMARY PIPING AIR TEST

Scheduled on [] [] - []

Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

- | | Y | N |
|--|-----------------------|-----------------------|
| 1. Was primary piping pressurized for 30 minutes at required pressure (includes vents if repaired or upgraded) | <input type="radio"/> | <input type="radio"/> |
| 2. Is piping type installed, same as permit | <input type="radio"/> | <input type="radio"/> |
| 3. Was piping coating damaged | | |

SECTION B. SECONDARY TEST

Scheduled on [] [] - [] Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

1. Was secondary piping pressurized for 30 minutes at required pressure Y N

SECTION C. CONTAINMENT TEST

Scheduled on [] [] - [] Void Permit N/A

Witness during Scheduled Time Y N Actual Date Witnessed: _____

Tanks All

1. Were all newly installed containments hydrostatically tested Y N

SECTION D. FINAL INSPECTION


Scheduled on 4/3/2025 8:30 AM - 10:30 AM Void Permit Y N

Witness during Scheduled Time Y N Actual Date Witnessed: 4/25/2025

Tanks All

1. Final inspection has been completed and all permitted components installed, appears to be functioning normally

Remarks:

4/25/2025

X
Signed by: Christopher A. Lohrert

Storage Tank Safety Specialist (Signature)



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield IL 62703

Facility #	2047018
Date	4/25/2025
Notification Form Received	Y <input type="radio"/> N <input checked="" type="radio"/>
NOV Issued	<input type="radio"/> <input checked="" type="radio"/>

EQUIPMENT VERIFICATION

OWNER OF TANKS

Lenny's Food N Fuel 183rd Street, LLC
 Name
 8200 185th Street, Suite K
 Street Address
 Tinley Park IL 60487
 City State Zip
 Leonard McEnergy 708-444-0117
 Contact Person Phone

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 Name
 7451 183rd Street
 Street Address
 Tinley Park IL 60487 Cook
 City State Zip County
 Len McEnergy 708-444-0117
 Contact Person Phone

TANK SYSTEM INFORMATION				
Tank	Capacity	Product	Status	Regulated
1	20,000	Gasoline - Regular	Currently in use	Federal
2	6,000	Gasoline - Premium	Currently in use	Federal
3	12,000	Diesel Fuel	Currently in use	Federal
4	10,000	E85	Currently in use	Federal

SECTION A. TANK RELEASE DETECTION		
Tank	Equipment	Last Passing Test
1	Non-Discriminating Interstitial Monitoring Sensors With Monitor	9/11/2024
2	Non-Discriminating Interstitial Monitoring Sensors With Monitor	9/11/2024
3	Non-Discriminating Interstitial Monitoring Sensors With Monitor	9/11/2024
4	Non-Discriminating Interstitial Monitoring Sensors With Monitor	9/11/2024

SECTION B. PIPING RELEASE DETECTION		
Tank	Equipment	Last Passing Test
1	Electronic Pressurized Line Leak Detection	9/11/2024
2	Electronic Pressurized Line Leak Detection	9/11/2024
3	Electronic Pressurized Line Leak Detection	9/11/2024
4	Electronic Pressurized Line Leak Detection	9/11/2024

SECTION C. SPILL PREVENTION		
Tank	Equipment	Last Passing Test
1	Double Wall Spill Bucket - East	9/20/2023
	Double Wall Spill Bucket - West	9/20/2023
2	Double Wall Spill Bucket	9/20/2023

3	Double Wall Spill Bucket	4/10/2024
4	Double Wall Spill Bucket	9/20/2023

SECTION D. OVERFILL PREVENTION

Tank	Equipment	Last Inspection
1	Overfill Drop Tube Valve - East	12/16/2024
	Overfill Drop Tube Valve - West	12/16/2024
2	Overfill Drop Tube Valve	12/16/2024
3	Overfill Drop Tube Valve	9/20/2023
4	Overfill Drop Tube Valve	9/20/2023

SECTION E. TANK CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION F. PIPING CORROSION PROTECTION

Tank	Equipment	Last Passing Test
1	Fiberglass Non-Corrosive	
2	Fiberglass Non-Corrosive	
3	Fiberglass Non-Corrosive	
4	Fiberglass Non-Corrosive	

SECTION G. TANKS

Tank	Equipment
1	Fiberglass Double Wall Containment Solutions
2	Fiberglass Double Wall Containment Solutions
3	Fiberglass Double Wall Containment Solutions
4	Fiberglass Double Wall Containment Solutions

SECTION H. PRODUCT PIPING

Tank	Equipment
1	Fiberglass Double Wall Ameron Dualoy 3000/LCX
2	Fiberglass Double Wall Ameron Dualoy 3000/LCX
3	Fiberglass Double Wall Ameron Dualoy 3000/LCX

4	Fiberglass Double Wall Ameron Dualoy 3000/LCX
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SECTION I. PIPING CONTAINMENT SUMPS

Tank	Equipment	Last Passing Test
1	Single Wall STP/Tanktop Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
2	Single Wall STP/Tanktop Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
3	Single Wall STP/Tanktop Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
4	Single Wall STP/Tanktop Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024

SECTION J. DISPENSER SUMPS

Dispenser	Equipment	Last Passing Test
1/2	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
3/4	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
5/6	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
7/8	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
9/10	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
11/12	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
13/14	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
15/16	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024
17/18	Single Wall UDC Sump	9/5/2023
	with Sump Sensor with positive shutdown	9/11/2024

19/20	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/11/2024
21/22	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/11/2024
23	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/11/2024
23/24	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/11/2024
24/25	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/11/2024
26	Single Wall UDC Sump with Sump Sensor with positive shutdown	9/5/2023 9/11/2024

SECTION K. MISCELLANEOUS

Y N

1. Verified all new, changed, and existing equipment for tanks on this form is listed on this form?

Remarks:

Changed Tank release detection to Non-Discriminating Interstitial Monitoring Sensors With Monitor per permit# 01491-2024UPG.

4/25/2025

 _____

Signed by: Christopher A. Lohr

Sherry Wilson

A/B Operator

Exit interview given to

Title

Storage Tank Safety Specialist (Signature)



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Precision Testing Results Report Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL2089

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX

Test Date 05/01/2025

Result of Test Pass

Test Results

Date	Description	File
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Contractor Employee(s) Conducting Precision Test(s)

Precision Line Tester: Fernando Rivera
Title: Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Precision Testing Results Report Form has been completed as required by OSFM rules.

Submitter Name myreen schaab
Phone Number (800) 666-0268
Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Licensed Contractor - IL2089

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Contractor Name Tanknology
Address 880 Church Road
 Elgin, IL 60123
Phone Number (847) 888-4836

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 08/21/2025

Tank 1 - 20,000 gallons - Gasoline - Regular - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 1 - 20,000 gallons - Gasoline - Regular - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 08/21/2025

Tank 2 - 6,000 gallons - Gasoline - Premium - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 2 - 6,000 gallons - Gasoline - Premium - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) *****Failed Test***** Pass Fail

Test Date 08/21/2025

Test Comments

Diesel leak detector failed to catch 3.0 gallon per hour leak. Access air in product lines.

Tank 3 - 12,000 gallons - Diesel Fuel - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 4 - 10,000 gallons - E85 - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 08/21/2025

Tank 4 - 10,000 gallons - E85 - Piping - Single Wall STP/Tanktop Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Tank 4 - 10,000 gallons - E85 - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 1/2 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 3/4 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 5/6 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 7/8 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 9/10 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 11/12 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 13/14 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 15/16 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 17/18 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 19/20 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 21/22 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 23 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 23/24 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 24/25 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Dispenser 26 - Dispenser - Single Wall UDC Sump - Leak Detect - Piping - Sump Sensor with positive shutdown

Probes and Sensors:

- 1. Does the sensor activate with a float mechanism Pass Fail N/A
- 2. Cables are Free of Kinks Pass Fail
- 3. Alarm Operates Pass Fail
- 4. Alarm Communicates with Controller Pass Fail Stand Alone
- 5. Floats Move Freely Pass Fail
- 6. Shaft not Damaged or Bent Pass Fail

Vacuum Pumps & Pressure Gauges:

- 1. Proper Communication with Sensors Pass Fail N/A
- 2. Proper Communication with Controller Pass Fail N/A

Test Date 08/21/2025

Test Results

Date	Description	File
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Contractor Employee Conducting Test

Employee Name Fillmore, Matthew
Title Technician

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name myreen schaab
Phone Number (800) 666-0268
Email mschaab@tanknology.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Annual Leak Detection Certification Test Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
 Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL002275

Contractor Name Anderson Pump Service, Inc.
Address 19659 South 97th Avenue
 Mokena, IL 60448
Phone Number (708) 478-6190

Test Results

Per 175.610(a)(4), a test of the proper operation of leak detection systems and components must be performed at installation of the equipment and at least annually thereafter and, at a minimum, as applicable to the facility, shall cover the following components and criteria:

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection
After Like For Like Replacement on date 9/9/2025

Automatic Line Leak Detectors:

- 1. Operation meets criteria of 175.640(a)(3) Pass Fail

Test Date 09/09/2025

Test Results

Date	Description	File
------	-------------	------

Contractor Employee Conducting Test

Employee Name Robbins, James
Title Tech

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Annual Leak Detection Certification Report Form has been completed as required by OSFM rules.

Submitter Name Robert anderson
Phone Number (708) 478-6190
Email rob@andersonpump.com



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Like For Like Replacement Form

Facility - 2047018

Facility Name Lenny's Food N Fuel 183rd Street, LLC
Address 7451 183rd Street
Tinley Park, IL 60487
County Cook
Contact Person Len McEnery
Phone Number (708) 444-0117

Licensed Contractor - IL002275

Contractor Name Anderson Pump Service, Inc.
Address 19659 South 97th Avenue
Mokena, IL 60448
Phone Number (708) 478-6190

Equipment Being Replaced

Tank 3 - 12,000 gallons - Diesel Fuel - Leak Detect - Piping - Electronic Pressurized Line Leak Detection

Replacement: Leak Detect - Piping - Electronic Pressurized Line Leak Detection
Replacement Date: 09/09/2025
Replacement Reason: PLLD Sensor failed testing.

Contractor Employee Conducting Replacement

Employee Name Robbins, James
Title Tech

Terms And Conditions

Under the penalties as provided by law pursuant to Section 1-109 of the Code of Civil Procedure, the undersigned certifies that the statements set forth in this instrument are true and correct, except as to matters stated to be on information and belief and as to such matters the undersigned certifies as aforesaid that he/she verily believes the same to be true.

By checking this box, I certify that the Like for Like Replacement Form has been completed as required by OSFM rules.

Submitter Name Robert anderson
Phone Number (708) 478-6190
Email rob@andersonpump.com



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, IL 62703
 2177851020

FOR OFFICE USE ONLY
 Facility # 2047018
 Permit # 00425-2020INS
 Request Rec'd 03/13/2020
 Amended Date
 Approval Date 3/16/2020 DS
 Permit Expires 9/16/2020

Permit for INSTALLATION of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to install underground storage tank(s) or piping is hereby granted. Such installation must be in complete accordance with acceptable materials as specified in the Federal Register, Part II Environmental Protection Agency, 40 CFR Parts 280 and 281, and also with all sections of 41 Illinois Administrative Code, Parts 174, 175 and 176. The contractor the permit was issued to or an employee of that contractor (this does not include a subcontractor) shall submit a required job schedule for installation of underground storage tank(s) to the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety. **THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.**

<p>(1) OWNER OF TANKS - Corporation, partnership, or other business entity:</p> <p>Lenny's Food N Fuel 183rd Street, LLC 8200 W 185th Street Suite K Tinley Park, IL 60487</p> <p>Contact: Len McEnery (708) 444-0117 Ext. 101</p>	<p>(2) FACILITY - name and address where tanks are located:</p> <p>Lenny's Food N Fuel 183rd Street, LLC 7451 183rd Street Tinley Park, IL 60487</p> <p>Contact: Len McEnery (708) 444-0117</p>
---	--

(3) INSTALLATION OF TANKS:

- (a) *Number and size of tanks being installed: (TK # 1) - 20,000, (TK # 2) - 6,000, (TK # 3) - 12,000, (TK # 4) - 10,000, (TK # 5) - 3,000*
 - (b) *Type of tank(s): (TK # 1, 2, 3, 4, 5) Tank - Fiberglass Double Wall Containment Solutions*
 - (c) *Type of piping: (TK # 1, 2, 3, 4) Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX from tanks to dispensers as shown in site plan, (TK # 1, 2, 3, 4, 5) Piping - Ball Valves, (TK # 1, 2, 3, 4) Piping - Shear Valves, (TK # 1, 2, 3, 4) Piping - Flex Connector Steel, (TK # 1, 2, 3, 4, 5) Piping - Single Wall STP/Tanktop Sump, (TK # 5) Piping - Flexible Double Wall OmegaFlex DoubleTrac*
 - (d) *Product to be stored in each tank: (TK # 1) - Gasoline - Regular, (TK # 2) - Gasoline - Premium, (TK # 3) - Diesel Fuel, (TK # 4) - E-85, (TK # 5) - Diesel Exhaust Fluid (Non-Regulated)*
 - (e) *Type of leak detection being used:*
 - Tank: (TK # 1, 2, 3, 4, 5) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD, (TK # 1, 2, 3, 4, 5) Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring*
 - Piping: (TK # 1, 2, 3, 4) Leak Detect - Piping - Electronic Pressurized Line Leak Detection, (TK # 1, 2, 3, 4, 5) Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown in all submersible and dispenser sumps*

NOTE: Sensors must shut down the submersible pump supplying that line upon detection of a leak per 175.640 a) 1)
- (f) *Corrosion Protection being used:*
 - Tank: (TK # 1, 2, 3, 4, 5) Corrosion Prot - Tank - Fiberglass Non-Corrosive*
 - Piping: (TK # 1, 2, 3, 4) Corrosion Prot - Piping - Fiberglass Non-Corrosive, (TK # 5) Corrosion Prot - Piping - Flexible Non-Corrosive, (TK # 5) Corrosion Prot - Piping - Polyethylene Chase*
- (g) *Spill containment devices, piping and dispenser containment devices: (TK # 1, 2, 3, 4) Spill Contain Device - Double Wall Spill Bucket, (TK # 5) Spill Contain Device - Single Wall Spill Bucket Horizontal Cabinet*
- (h) *Overfill prevention devices: (TK # 1, 2, 3, 4) Overfill Prev Device - Overfill Drop Tube Valve, (TK # 5) Overfill Prev Device - Overfill Alarm*

(4) The owner must notify this Office when completion of tank installation has occurred, on the Notification for Underground Storage Tank Form and the licensed contractor must submit the required job schedule for installation to the OSFM prior to the work being performed. Both forms can be obtained at www.sfm.illinois.gov by calling (217)785-1020.

(5) **GENERAL REQUIREMENTS** : There shall be a minimum of two manufactured slotted or perforated observation wells of at least 4 inches in

diameter, installed in each new tank field of tanks larger than 1000 gallons and one well for tanks less than 1000 gallons. A water tight containment shall be installed under all dispensers and at submersible pumps. A hydrostatic test must be performed on all containments. All steel piping for vents, risers, and fills in contact with the ground, backfill, or water shall be dielectrically wrapped or coated. A positive shut off valve shall be installed on pressurized product lines, at the submersibles, or installed at the tank for all suction piping systems. Vent piping is required to be tested from tank to grade level. All steel flex connectors in contact with ground, backfill or water shall have corrosion protection.

(6) SPECIAL CONTINGENCIES :

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Anderson Pump Service, Inc.
19659 South 97th Avenue
Mokena, IL 60448

Contact Person: Steve Kryl
Phone: (708) 478-6190
Contractor Registration # IL002275 Exp. 5/21/2020

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, IL 62703
 2177851020

Extended

FOR OFFICE USE ONLY

Facility # 2047018
 Permit # 00425-2020INS
 Request Rec'd 03/13/2020
 Amended Date
 Approval Date 3/16/2020 DS
 Permit Expires 3/16/2021

Permit for INSTALLATION of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

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 - (d) *Product to be stored in each tank: (TK # 1) - Gasoline - Regular, (TK # 2) - Gasoline - Premium, (TK # 3) - Diesel Fuel, (TK # 4) - E-85, (TK # 5) - Diesel Exhaust Fluid (Non-Regulated)*
 - (e) *Type of leak detection being used:*
 - Tank: (TK # 1, 2, 3, 4, 5) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD, (TK # 1, 2, 3, 4, 5) Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring*
 - Piping: (TK # 1, 2, 3, 4) Leak Detect - Piping - Electronic Pressurized Line Leak Detection, (TK # 1, 2, 3, 4, 5) Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown in all submersible and dispenser sumps*

NOTE: Sensors must shut down the submersible pump supplying that line upon detection of a leak per 175.640 a) 1)
- (f) *Corrosion Protection being used:*
 - Tank: (TK # 1, 2, 3, 4, 5) Corrosion Prot - Tank - Fiberglass Non-Corrosive*
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(6) SPECIAL CONTINGENCIES :

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Anderson Pump Service, Inc.
19659 South 97th Avenue
Mokena, IL 60448

Contact Person: Ron Anderson
Phone: (708) 478-6190
Contractor Registration # IL002275 Exp. 5/21/2020

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File

183rd STREET



#	LEGEND
1	NEW DW FG TANKS (20,2-6,10,12,3)
2	OBSERVATION WELL (typ 4)
3	SPILL MANHOLE WITH OVERFILL PREVENTION
4	DUAL POINT STAGE I VAPOR RECOVERY
5	VEEDER ROOT AUTOMATIC TANK GAUGE
6	SUBMERSIBLE PUMP WITH SUMP AND SENSOR
7	2" SW FG VENT & REMOTE FILL PIPING
8	2" DW LCX FG PRODUCT PIPING
9	3" DW LCX FG PRODUCT PIPING
10	1" DEF-TRAC PIPING
11	STAINLESS STEEL REMOTE FILL BOX
12	DISP SUMP w/ SENSOR (typ. 15)
13	GILBARCO BLENDER (typ. 2)
14	GILBARCO BLENDER + E85 (typ. 7)
15	GILBARCO STANDARD DIESEL (typ. 2)
16	GILBARCO MASTER w/DEF (typ. 1)
17	GILBARCO MASTER/SATELLITE w/DEF (typ. 2)
18	GILBARCO SATELLITE (typ. 1)
19	NEW C-STORE BUILDING (no basement)
20	NEW CANOPY (2)

General Notes

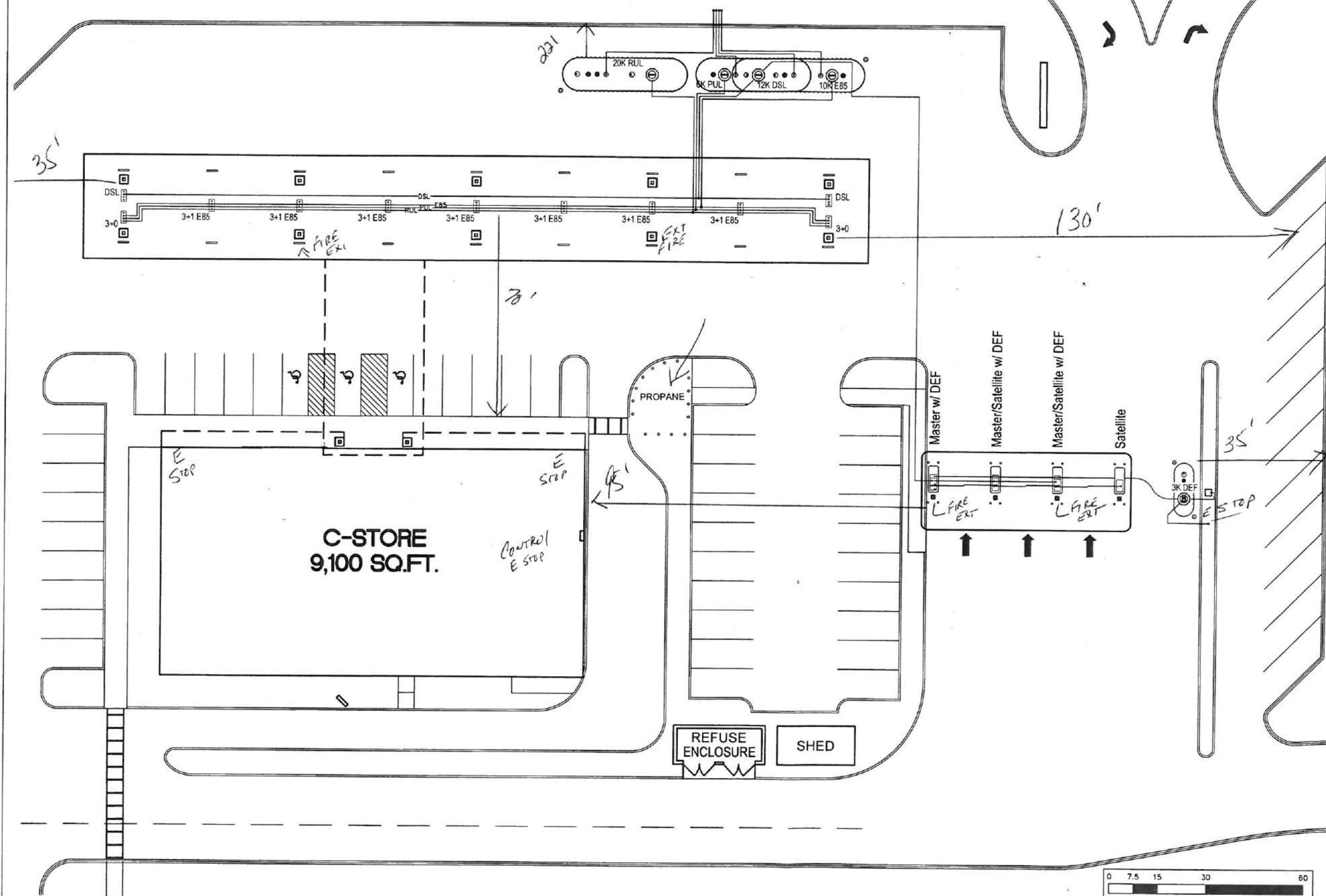
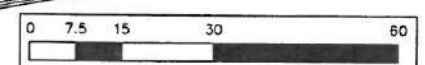
Comments:
 ALL TANKS AND PIPING TO BE DOUBLE WALL WITH CONTINUOUS MONITORING OF SECONDARY CONTAINMENT
 ALL TANK & DISPENSER SUMPS WILL HAVE SENSORS



Lenny's Food N Fuel
 Tinley Park, IL

PIPE LAYOUT
APPROVAL DRAWING

SCALE: 1"=30'	STATION #
DRAWN BY: MJG	DATE: 02/19/2020
CHECKED BY:	REVISION:
PAPER SIZE: 11 x 17	REVISION:
DO NOT SCALE - USE DIMENSIONS ONLY	
FILE: Lenny's Food N Fuel Tinley Park, IL	





State of Illinois
Office of the State Fire Marshal

Checklist for Documenting UST Compatibility

SUBMIT THIS FORM WITH SUPPORTING DOCUMENTATION ATTACHED.

ALL COMPONENTS MUST BE LISTED IN DETAIL, & COMPATIBILITY DOCUMENTATION MUST CLEARLY IDENTIFY THE COMPONENTS.

Facility where equipment is located:

Facility Number: _____
 Facility Owner: LENNY'S FOOD N FUEL 183RD STREET LLC
 Facility Name: LENNY'S FOOD N FUEL 183RD STREET LLC
 Street Address: 7457 183RD STREET
 City: TINLEY PARK
 County: WILL

UST Information:

Tank ID Number: 4
 Tank Material: Steel _____
 FRP ✓
 Single Wall _____ Double Wall ✓
 Tank Volume: 10000
 Tank Product: E 85

Complete the checklist below, listing compatibility determination, method used and description. **All answers must be "YES" and supported with a sufficient description or supporting documentation** in order for your UST system to demonstrate compatibility with the blended fuel/biofuel product.

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
TANK	NO	<u>YES</u>		DOUBLE WALL COMPARTMENT TANK CONTAINMENT SOLUTIONS
PIPING (incl. shear valves, flex connectors)	NO	<u>YES</u>		AMERON DUALOY 3000 LEX
CONTAINMENT SUMPS	NO	<u>YES</u>		BRAVO TANK SUMP B400 BRAVO DISPENSER SUMP B1000
PUMPS (STPs/Suction; Dispensers, hoses, nozzles)	NO	<u>YES</u>		FE PETRO GILBARCO DISPENSERS 3+1

UST SYSTEM COMPONENTS	DOCUMENTATION DEMONSTRATING COMPATIBILITY WITH SUBSTANCE LISTED ABOVE		METHOD A or B (MAY USE BOTH)	DESCRIPTION OF COMPONENT TYPE, MODEL NUMBER, & NATIONAL LABORATORY CERTIFICATION, LISTING OR MANUFACTURER APPROVAL (ATTACH TO CHECKLIST)
RELEASE DETECTION EQUIPMENT	NO	YES		VEEDER ROOT TCS350 plus WITH PROBE, NON DISCRIMINATING SENSORS AND PULD
SPILL PREVENTION EQUIPMENT	NO	YES		FRANKLIN FUELING Double Wall
OVERFILL PREVENTION EQUIPMENT	NO	YES		OPW 7150M Drop tube
GASKETS & SEALS (installs after 10/13/18)	NO	YES		FRANKLIN FUELING Flex Connectors
JOINT DOPES & ADHESIVES (installs after 10/13/18)	NO	YES		GRASOILA E SEAL

Methods:

- A. Certification or listing of UST system equipment or components by a nationally recognized, independent testing laboratory for use with the regulated substance stored.
- B. Equipment or manufacturer approval. The manufacturer's approval must be in writing, indicate an affirmative statement of compatibility, specify the range of biofuel blends the component is compatible with, and be from the equipment or component manufacturer

Note: Owners and operators may find American Petroleum Institute's Recommended Practice 1626, *Storing and Handling Ethanol and Gasoline-Ethanol Blends at Distribution Terminals and Filling Stations*, useful in complying with the compatibility requirements.

In order to be in compliance with the 2015 federal UST regulation compatibility requirements for storing biofuels, you must keep documentation of compatibility of the UST system components listed on this page as long as you store the fuel.

For your records, you should update this checklist each time you repair or replace components of your UST system to ensure you have all the required compatibility documentation while storing biofuels.

Checklist Completed By:

print name: STEPHEN M. KYRIL

date completed: 3-13-20

signature: 

position/title: PROJECT MANAGER

Magnetostrictive Probes for Alternative Fluids

Certified performance for inventory control and in-tank leak detection in fuel blends up to 100% alcohol

Veeder-Root offers two types of Magnetostrictive Probes for Alternative Fluids to provide highly accurate, trouble-free in-tank leak detection and inventory control in fluids of up to 100% alcohol. The Magnetostrictive Probe for Alternative Fluids with water detection is ideal for fuel blends with less than 20% alcohol. The Magnetostrictive Probe for Alternative Fluids without water detection has been developed for fluids up to 100% alcohol.

Series 8463 0.1 GPH Mag Probe for Alternative Fluids

The 0.1 GPH Mag Probe for Alternative Fluids has been third-party tested and certified to perform far better than the U.S. E.P.A. standards for both 0.1 GPH volumetric tank tightness testing and 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

0.1 GPH Mag Probe and CSLD — Leak detection without shutting down your tanks!

CSLD, Continuous Statistical Leak Detection, is an advanced tank testing technology that makes full use of the TLS-300 and TLS-350(R)'s in-tank monitoring capabilities. CSLD eliminates the need for tank shutdown to perform a leak test — no lost business, no lost operating time!

The TLS-300 and TLS-350(R) equipped with CSLD use the 0.1 GPH Mag Probe to continuously monitor fuel height and temperature information to detect idle times in the tank. During each idle time, data collected forms a highly accurate leak detection database. Sophisticated statistical analysis techniques in CSLD constantly evaluate the database to discard invalid data and perform leak tests based on only high-quality information in the current database. In fact, a new leak test is performed every time new data from an idle period is added.

Series 8463 0.2 GPH Mag Probe for Alternative Fluids

The 0.2 GPH Mag Probe for Alternative Fluids provides the same reliable inventory control features and fluid compatibility as the 0.1 GPH Mag Probe for Alternative Fluids, but offers 0.2 GPH leak detection at a lower cost.

The 0.2 GPH Mag Probe for Alternative Fluids has also been third-party tested and certified to exceed U.S. E.P.A. standards for 0.2 GPH automatic tank gauging. (See the summary of leak test performance on back or call us for a copy of the complete test results.)

Approved for Aboveground Tank Applications

Veeder-Root Magnetostrictive Probes are approved for use in aboveground storage tanks to monitor fuel inventory. An AST installation Kit (Form Number 312020-984) is required for these applications and is available from Veeder-Root, Customer Service 800-873-3313 or your authorized Veeder-Root distributor.

Magnetostrictive Probes for Alternative Fluids are available in 0.1 GPH and 0.2 GPH Versions

Features & Benefits

- Non-corrosive, stainless steel tubing for long-life monitoring in fuels up to 100% alcohol
- Highly accurate Magnetostrictive measurement technology
- Fast accurate leak tests
- 0.1 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.1 GPH Volumetric Tank Tightness Testing
- 0.1 GPH Mag Probe for Alternative Fluids is compatible with TLS-300 and TLS-350R with CSLD for continuous statistical leak detection
- 0.2 GPH Mag Probe for Alternative Fluids is third-party certified to exceed U.S. E.P.A. performance standards for 0.2 GPH Automatic Tank Gauging
- 2", 3" and 4" Float Kits available

Electronic Line Leak Detectors

Application Guide



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Veeder-Root Line Leak Application Guide

TOKHEIM	585-13 (1/3 HP)	YES	NO
	585-34 (3/4 HP)	YES	NO
	585-150 (1-1/2 HP)	YES	NO
BENNETT	ALL	YES	NO

4-INCH VARIABLE SPEED MODELS		DPLLD/PLLD	WPLLD
RED JACKET	STD and AG with CPT (2 HP) ^{1,2}	YES	NO
	QUANTUM P200U202Y QS1 - QS3 CPT (2 HP)	YES	NO
	QUANTUM AGP200T202Y QS1 - QS3 CPT (2 HP)	YES	NO
	THE RED JACKET P200U20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET AGP200T20-2RJ1 - RJ3 (2 HP)	YES	NO
	THE RED JACKET VSFC ¹	YES	NO
FE PETRO	IST (2 HP) ¹	YES	NO
	STP VS2, STPAG VS2 (2 HP)	YES	NO
	STPRVS4, ISTVS4 AG	YES	NO
	STPMRVS4, ISTMVS4 AG	YES	NO

6-INCH HIGH CAPACITY MODELS		DPLLD/PLLD	WPLLD
RED JACKET - MAXXUM	MAXXUM MXP300 (3 HP)	YES ³	NO
	MAXXUM MXP500 (5 HP)	YES ³	NO
RED JACKET - BIG-FLO	P100H1 - 1MB (1 HP)	YES ⁴	NO
	P150H1 - 1HB (1-1/2 HP)	NO	NO
	P200H1 - 2MB (2 HP)	YES ⁴	NO
	P200H3 - 2MB (2 HP)	YES ⁴	NO
	P300H3 - 2HB (3 HP)	YES ⁴	NO
	P600H3 - 2K (5 HP)	YES ⁴	NO
FE PETRO	STP3, STPAG3 (3 HP)	YES ^{4,6}	NO
	STP5, STPAG5 (5 HP)	YES ^{4,6}	NO
	STP5H (5HP)	YES ^{4,6}	NO

APPLICATIONS	DPLLD/PLLD	WPLLD
SIPHON/MANIFOLDED TANKS	YES	YES
MANIFOLDED LINES	YES	YES
ELECTRONIC BLENDERS	YES	YES
MECHANICAL BLENDERS	YES ⁵	NO

¹See Site Preparation and Installation manual for supported settings.

²Requires TLS-350 Version X19 or later software and CPT Transducer Adaptor Kit (Red Jacket P/N 144-326-5).

³USER DEFINED pipe type must be used for precision (0.2 and 0.1 gph) testing.

⁴3.0 gph only testing.

⁵Requires TLS-350 Version 29C or later software (PLLD).

⁶Requires Model 'R' Relief Valve.

Line Volume Limits

Console Type	Transducer Type	Piping Type	3.0 GPH Certified Volume (Gal.)	0.2 GPH Certified Volume (Gal.)	0.1 GPH Certified Volume (Gal.)
SERIES 860091-X01 TLS-450PLUS CONSOLES W/SOFTWARE VERSION 7E OR HIGHER	Series 8590-DPLLD	Rigid	1178.6	1178.6	165.08
		Flexible	1178.6	1178.6	109.84
		Hybrid (Flex & Rigid)	1178.6	1178.6	267.8
SERIES 860090-100 TLS-450 CONSOLES		Rigid	425.84	165.08	165.08
		Flexible	109.84	109.84	109.84
		Hybrid (Flex & Rigid)	535.68	267.8	267.8
SERIES 8482 TLS-350, -350PC, -350R, -350RPC, -350PLUS W/ SOFTWARE VERSION X19 OR HIGHER	Series 8484-PLLD	Rigid	212	119.4	119.4
		Flexible	212	119.4	119.4
		Hybrid (Flex & Rigid)	212	119.4	119.4

Veeder-Root Line Leak Application Guide

PIPE TYPE	TLS-4XX w/ DPLLD ^{6,7} (Length Feet)	TLS-350 w/ PLLD ¹ (Length Feet)	TLS-350 w/ WPLLD ² (Length Feet)	BULK MODULUS ³ (PSI)	VOLUME (Gallons/Foot)
FLEXIBLE PIPE - NUPI (Continued)					
TSMAD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	18900	0.092
2 INCH	30-3000	30-650	No	12500	0.163
3 INCH	30-3000	30-300	No	28200	0.367
TSMAXPD - DOUBLE WALL					
1.5 INCH	30-3000	30-1100	No	15500	0.092
2 INCH	30-3000	30-650	No	9200	0.163
3 INCH	30-3000	30-300	No	27800	0.367
FLEXIBLE PIPE - PETROTECHNIK					
PETROTECHNIK UPP EXTRA (63 mm)	20-3000	20-650	No	11,500	0.163
FLEXIBLE PIPE - TOTAL CONTAINMENT					
ENVIROFLEX RETRACTABLE PIPE					
PP1500 (1.5 INCH)	10-3000	10-1100	10-500	2400	0.092
PP1501 (1.5 INCH)	10-3000	10-1100	10-500	3500	0.092
PP1502 (1.5 INCH)	10-3000	10-1100	No	7300	0.092
PP1503 (1.5 INCH)	10-3000	10-1100	No	2500	0.092
PP2500 AND PP2501 (2.5 INCH)	No	No	No	—	—
PP2502 (2.5 INCH)	10-3000	10-430	No	8700	0.255
PP2503 (2.5 INCH)	10-3000	10-430	No	3100	0.255
OMNIFLEX COAXIAL PIPE					
CP1501 (1.5 INCH)	10-3000	10-1100	10-500	13,000	0.092
CP1503 (1.5 INCH)	10-3000	10-1100	No	4500	0.092
CP2503 (2.5 INCH)	10-3000	20-430	No	3900	0.255
FLEXIBLE PIPE - DOUBLE TRAC (OMEGA FLEX)					
UGF-FSP-16 (1.0 INCH)	30-500	30-500	No	31,000	0.058
UGF-FSP-24 (1.5 INCH)	30-3000	30-1100	No	31,000	0.116
UGF-FSP-32 (2.0 INCH)	30-3000	30-650	No	31,000	0.204

¹Mixed Piping Types with PLLD: Using TLS-350 software Version 23 or later, PLLD is certified for 3 gph-only testing for line volumes up to 212 gallons; and for 0.2/0.1 gph testing for line volumes up to 110 gallons. To determine the line volume for mixed piping types, multiply the line length (in feet) times the 'gallons/foot' value for each pipe type and add the results. For example, site has 150 feet of 2" fiberglass and 50 feet of 3" fiberglass pipe:

$$\text{Total line volume} = [150 \times 0.204] + [50 \times 0.461] = 30.6 + 23.1 = 53.7 \text{ gallons}$$

²The 0.2 and 0.1 gph line leak tests cannot be run on flex piping with WPLLD.

³Bulk Modulus entry is only applicable to TLS-350 consoles w/software Version 23 or later and all TLS-450 Series consoles. Refer to TLS-350 System Setup manual (P/N 576013-623) or TLS-450 Setup Manual (P/N 576013-940) for programming instructions.

⁴Geoflex piping produced prior to 2001 has a lower bulk modulus than the current product. For this piping (pre-2001) use the values in (). For 2001 piping and later, you must set the correct Bulk Modulus in the "User Defined" menu.

⁵Western Fiberglass COFLEX piping produced prior to 2005 has a different bulk modulus than the current product. For piping produced prior to 2005, use the values in ().

⁶Line lengths shown represent DPLLD approved lengths for 3 gph and 0.2 gph testing. 3.0 gph and 0.2 gph testing for DPLLD with software version 7E or higher is certified for line volumes up to 1178.6 gallons (not to exceed 3000 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

⁷0.1 gph testing is certified for line volumes up to 535.6 gallons (not to exceed 1100 feet of line). See footnote 1 for instructions on calculating line volume for mixed piping.

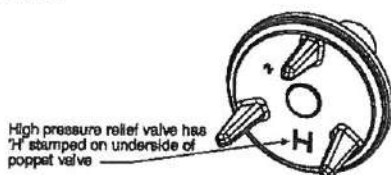
Check Valve Requirements

DPLLD, PLLD and WPLLD require certain check valves or Pressurstat assemblies to be installed on the pump. Use of non-compatible check valves can result in loss of leak detection performance.

Supported Pumps	Check/Relief Valve Type	3.0 GPH Only Testing (Req'd. Kit)	3.0, 0.2, 0.1 GPH Testing (Req'd. Kit)	Additional Req'd. Parts for Manifoldded Lines (Single Tank w/ 2 STPs, or 2 or More Tanks w/ STP in Each)
DPLLD/PLLD Applications				
The Red Jacket	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Check Valve for Each Slave Pump P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Quantum SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 388-081-5 (Field Installed Only)
	Red Jacket SpikeCheck Valve (Field Only Installed) P/N 388-080-5	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	
	Red Jacket Pressurstat Assembly.	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	
Standard (All Models)	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Functional Element Assembly	848480-001 (TLS-350) 859080-001 (TLS-4XX)	— Not supported —	
	Red Jacket SpikeCheck Valve (Field Installed Only) P/N 410557-001	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Red Jacket Standard SpikeCheck Valve, Non-PSI Relief Valve, Required for Each Slave Pump, P/N 410557-002 (Field Installed Only)
Maxxum	None Required	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	See Note 4 below.
Big-Flo	Pressurstat Kit P/N 144-314-5			
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 4 below)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	848480-001 (TLS-350) 859080-001 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)
	FE Petro Model R Relief Valve P/N 401330902			
Tokheim & Bennett	SwiftCheck	848480-003 (TLS-350) 859080-002 (TLS-4XX)	848480-003 (TLS-350) 859080-002 (TLS-4XX)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
WPLLD Applications				
The Red Jacket	None Required	849490-006	849490-006	High Pressure Check Valve for Each Slave Pump, P/N 410153-002 (See illustration in Note 1 below)
Quantum (All Models) (See Note 2 below)	Red Jacket SpikeCheck Valve (Factory Installed)	849490-005 (Except CPT)	849490-005 (Except CPT)	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416
	Red Jacket Pressurstat Assembly	849490-005 (Except CPT)	— Not supported —	
Standard (All Models)	SwiftCheck	849490-002 (Except CPT)	849490-002 (Except CPT)	
	Red Jacket Functional Element Assembly	849490-003 (Except CPT)	— Not supported —	
FE Petro	FE Petro Model R P/N 400988932 and Replacement O-ring for the Valve Housing (See Note 5 below)	849490-001	849490-001	Non-Vented SwiftCheck Valve for Each Slave Pump kit, P/N 330020-416 — OR — FE Petro 65 psi Relief Check Valve (FE P/N 402459931) (See Note 5 below)

NOTES:

- The Veeder-Root High Pressure Check Valve (P/N 410153-002) is shown below:



- For Red Jacket Quantum pumps, the SpikeCheck is the preferred check valve type.
- 0.2/0.1 gph testing is supported for the Maxxum pump, but you must select "User Defined" as the pipe type during DPLLD or PLLD setup.
- If maximum pump pressure is NOT a minimum of 5 psi below the pressurstat relief setting, then a check valve must be installed in the discharge line of the slave pump (see "Manifoldded Line Applications" on page 12).
- Veeder-Root does not warrant the performance of FE Petro's Model 'R' check valve or 65 psi relief check valve.

TLS-350 Consoles - PLLD

Hardware Required for PLLD Leak Detection

PRESSURIZED LINE LEAK DETECTOR (PLLD)

Order one per line.

MODEL NO.	ITEM
848480-003	PRESSURIZED LINE LEAK DETECTOR WITH SWIFTCHECK VALVE
848480-001	PRESSURIZED LINE LEAK DETECTOR WITHOUT SWIFTCHECK VALVE

PLLD MODULES

•TLS-350/TLS-350 Plus/TLS-350R Consoles - Leak Detection for up to 6 Lines

One Pressurized Line Leak Detector Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-001	SIX INPUT PRESSURIZED LINE LEAK INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

•TLS-350J Consoles - Leak Detection for up to 4 Lines

One 'J' PLLD Interface Module is required per console. Order PLLD Controller modules as required - one Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330843-002	'J' PLLD INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330374-001	PRESSURIZED LINE LEAK CONTROLLER MODULE (MAXIMUM 2 PER CONSOLE)

PLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350/TLS-350J/ TLS-350PLUS/TLS-350R WITHOUT BIR (SEM P/N)	TLS-350R WITH BIR (SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-080	330160-160
BASE COMPLIANCE	330160-060	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM is not required for 3 GPH-only testing.

PLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

TLS-350 Consoles - WPLLD

Hardware Required for Wireless Pressurized Line Leak Detection (WPLLD)

WIRELESS PRESSURIZED LINE LEAK DETECTOR (WPLLD)

Order one per line.

MODEL NO.	ITEM
849490-001	WPLLD KIT - FOR FE PETRO PUMPS ¹
849490-002	WPLLD KIT WITH SWIFTCHECK VALVE - FOR RED JACKET PUMPS (EXCLUDING QUANTUM) ²
849490-003	WPLLD KIT - 3 GPH ON RED JACKET PUMPS (EXCLUDING QUANTUM) ³
849490-004	WPLLD KIT W/O SWIFTCHECK VALVE FOR RED JACKET PUMPS (EXCLUDING QUANTUM)
849490-005	WPLLD KIT - FOR RED JACKET QUANTUM PUMPS ⁴
849490-006	WPLLD KIT - FOR THE RED JACKET PUMP

¹Contains Line Leak Sensor, and installation kit for FE Petro pumps. Requires FE Petro Model R Check Valve, P/N 400988932.

²Contains Line Leak Sensor, SwiftCheck valve, and installation kit for Red Jacket pumps.

³Supports 3 GPH testing only. Contains Line Leak Sensor, and installation kit for Red Jacket pumps. Requires Red Jacket's Functional Element Assembly models 323-001-5 or 323-002-5. Does not support precision (0.2 GPH or 0.1 GPH) line testing.

⁴Contains Line Leak Sensor and installation kit for Red Jacket Quantum pumps. Requires purchase of SpikeCheck valve, P/N 388-080-5, from Red Jacket.

WPLLD MODULES

One of each module from the table below is required. Order additional WPLLD Controller modules (P/N 330841-001) as required - each Controller module monitors up to 3 lines.

MODEL NO.	ITEM
330874-001	WPLLD AC INTERFACE MODULE (MAXIMUM 1 PER CONSOLE)
330883-001	COMMUNICATIONS MODULE (MAXIMUM 1 PER CONSOLE)
330841-001	WPLLD CONTROLLER MODULE (MAXIMUM 3 PER CONSOLE*)

*Maximum of 2 WPLLD Controller module per TLS-350J console

WPLLD PRECISION TESTING SOFTWARE MODULE

Precision line leak detection capability (0.2 gph / 0.1 gph) requires one SEM (Software Enhancement Module) for the console that must be ordered separately from the table below. Not required for 3.0 gph-only line leak detection capability.

TESTING OPTION	TLS-350 / TLS-350J / TLS-350PLUS /	TLS-350R (WITH BIR)
	TLS-350R (W/O BIR)	(SEM P/N)
	(SEM P/N)	(SEM P/N)
ULTIMATE TESTING	330160-010	330160-110
RISK MANAGEMENT	330160-060	330160-160
BASE COMPLIANCE	330160-050	330160-150
3.0 GPH	INCLUDED*	INCLUDED*

*A SEM not required for 3 gph testing.

WPLLD Precision Testing Frequencies

ON-DEMAND (D)

Testing can be initiated manually through the TLS Console.

AUTO (A)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence six months from the date of the last passing test.

MONTHLY (M)

Tests will run repetitively until a passing test is achieved. Once a passing test is achieved, testing will stop and recommence the first calendar day of the next month.

REPETITIVE (R)

Tests will run repetitively according to pre-programmed time intervals.

Refer to the matrix below to determine which precision testing option best meets your needs:

Special Installations

Manifolded Line Applications

DPLLD, PLLD and WPLLD leak detection systems can handle product lines supplied by multiple tanks and pumps, to a maximum of 8 tanks and pumps per product line.

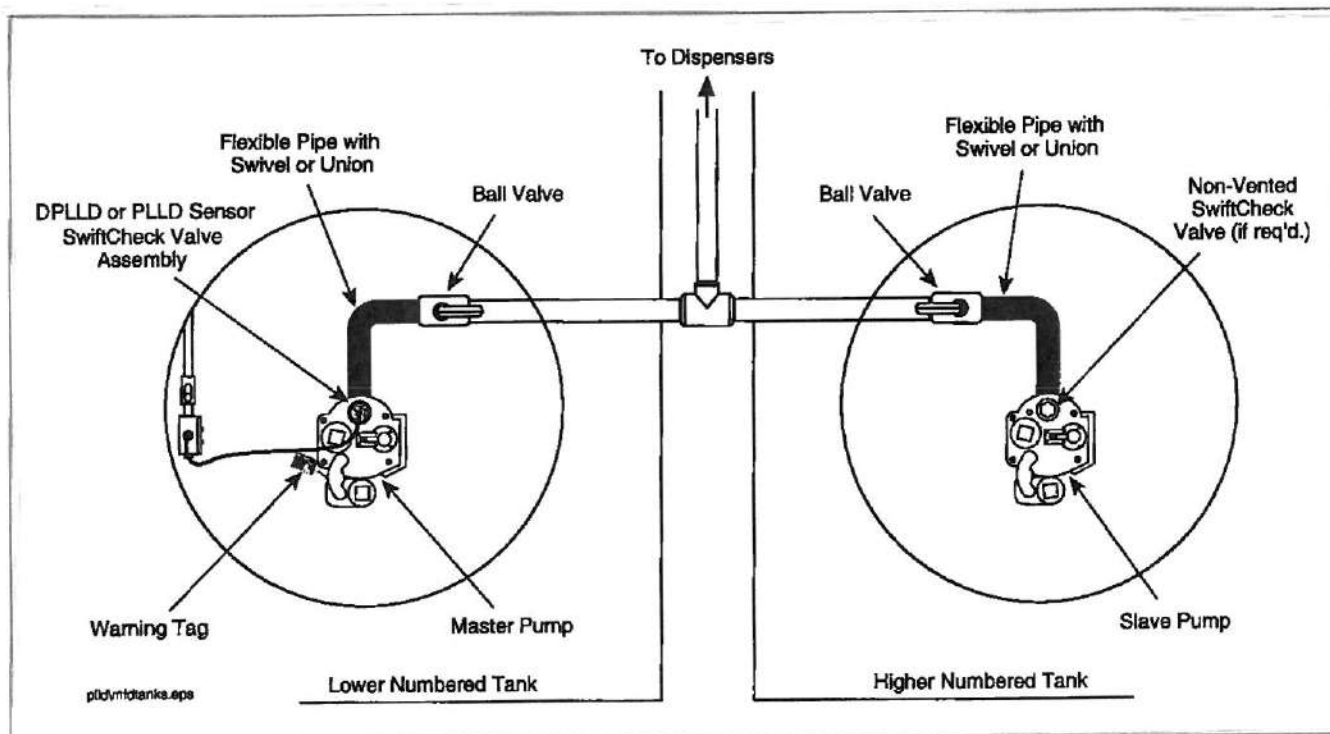
Standard line leak sensing and check valve equipment should be installed at the primary pump.

To perform 0.2 and 0.1 gph tests, a non-vented SwiftCheck valve (P/N 330020-416), or new Red Jacket 65 psi relief valve (P/N 410153-002), or SpikeCheck Valve Non-PSI Relief Valve for Standard Pump (P/N 410557-002), or FE Petro 65 psi Relief Check Valve (FE P/N 402459931) should be installed on each of the other pumps supporting the manifolded product line. The Non-Vented SwiftCheck Valve is rated to a maximum 70 gpm.

NOTICE For 5 HP Maxxum pumps in diesel, an additional in-line check valve with no pressure relief should be installed on the 'Slave' pump to prevent backflow.

A relay on a Four-Relay module or I/O Combination module (TLS-350 Series) or I/O Module (TLS-450 Series) must be available to control each secondary pump. The standard line leak modules will provide pump control output for the primary pump and the "Pump In" signal for the set.

A typical manifolded line installation for DPLLD and PLLD is shown below:



Transducer Installation - Red Jacket CPT and Quantum CPT Pumps

This installation procedure is to be used with Red Jacket CPT and Quantum CPT Pumps.

1. Install the Red Jacket CPT Transducer Adapter Kit (Red Jacket part number 144-326-5) following the instructions with the kit. Thread the PLLD transducer in the mechanical LLD port of the pump.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

The figure below illustrates two DPLLD and PLLD transducer installations in Red Jacket CPT pumps - consult "Check Valve Requirements" on page 6, to determine what check valve you will need to install to perform your intended level of testing.

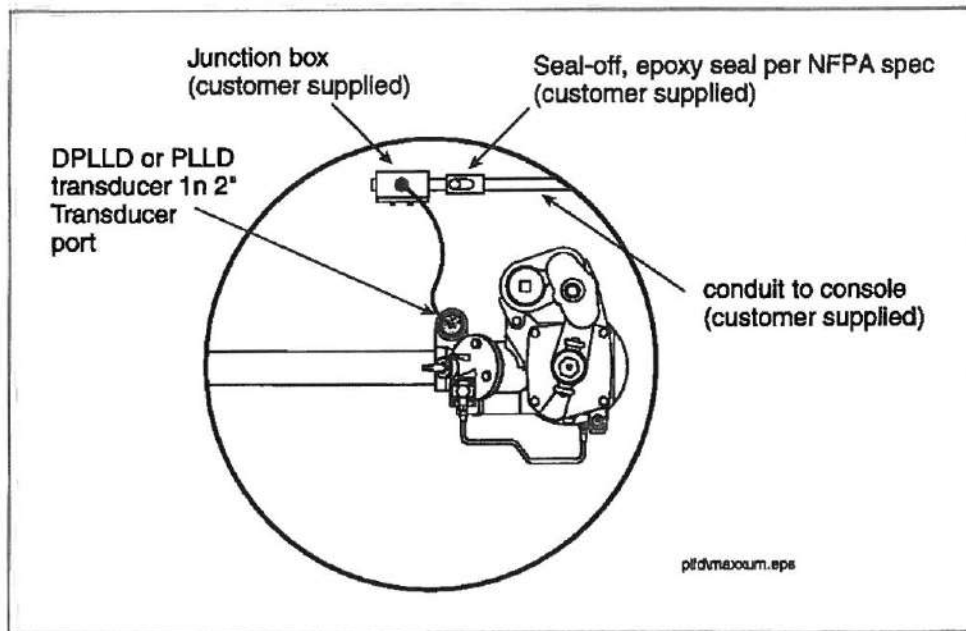
2. Verify that the TLS-350 Series Console has Version x19 or later (TLS-450 Series Console has Version 1 or later) software.
3. Verify that the CPT Controller has Version 1.02 or later software installed.

MAXXUM PUMPS

1. Thread the DPLLD or PLLD transducer into the 2-inch opening of the transducer port.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

2. If any in-line check valves or a Big-Flo Diaphragm Valve are installed in the line, they must be removed.
3. Verify that the TLS 350 Series Console has Version x19 or later software (TLS-450 Series Consoles Version 1 or later software).



FE PETRO HIGH CAPACITY PUMPS

1. Install a reducing tee (customer supplied) in either of the 3-inch discharge ports of the pump with the 2-inch port facing up.
2. Thread the D/PLLD transducer into the 2-inch port on the tee fitting.

NOTICE Seal any pipe threads using a UL-classified, nontoxic pipe sealant suitable for the fuel involved.

3. Install a model "R" relief valve into the pump if one is not already present.

Frequently Asked Questions:

Gilbarco Veeder-Root Encore® Flexible Fuel Dispenser (E85 Ethanol MPD's and Blenders)

Which models of Gilbarco Veeder-Root dispensers are now Underwriter's Laboratory approved under UL 87A for use with E85 ethanol fuel?

The Encore models now UL LISTED for use with E85 fuel are listed below with the Flexible Fuel option included. All Encore MPD units manufactured after **June 24, 2010** and Blender units manufactured after July 30, 2010 with the Flexible Fuel option will have the UL mark displayed on the serial plate label.

Model Description

MPD 1-Grade Dispenser (Encore S & E300)
MPD 2-Grade Dispenser (Encore S & E300)
MPD 3-Grade Dispenser (Encore S & E300)
MPD 4-Grade Dispenser (Encore S only)
Single Hose +1 MPD (only +1 on the Encore S)
Blender Dispenser 2+1 (blended grades on the Encore S)
Blender Dispenser 2+1 (only +1 on the Encore S & E300)
Blender Dispenser 3+0 (blended grades on the Encore S)
Blender Dispenser 3+1 (blended grades on the Encore S)
Blender Dispenser 3+1 (only +1 on the Encore S & E300)
Blender Dispenser 4+0 (blended grades on the Encore S)
Blender Dispenser 4+1 (blended grades on the Encore S)
Blender Dispenser 4+1 (only +1 on the Encore S & E300)
Blender Dispenser 5+0 (blended grades on the Encore S)
Multi-Hose +1 Blender Dispenser (only +1 on the Encore S)

Note: With the addition of the Flexible Fuel option these models are also approved for use with E25.

What is the benefit associated with the UL Listing on Encore blender dispensers?

In some areas of the country fuel marketers are already familiar with using blender dispensers to deliver blended ethanol fuel. By doing so, they're not only bringing a new fuel to the market, they are also able to become a "blender of record". In most cases, the "blender of record" status qualifies them to claim the Federal Tax Credit of .51 cents per gallon of ethanol dispensed. Check with you local tax authority to see how you could take advantage of this opportunity.

What hanging hardware is LISTED for use with E85 fuel?

Information on the required LISTED hanging hardware is outlined below. This data has been updated with the corrected manufacturer's part number and corresponding Gilbarco numbers. You will also be able to find this outlined in the Encore Owner's, Installation, and Service manuals. All Gilbarco Veeder-



be properly evaluated in the field for the following reasons:

1. UL would be unable to certify that the internal gaskets / seals used in the meter and for all of the connections are of the specific type specified in the E85 UL file, and
2. the product falls outside the scope of expertise of the Field Evaluation Services group at UL.

How do I obtain approval from the local authorities having jurisdiction to continue using my E85 Flexible Fuel dispenser without the UL label?

Currently, UL will not allow the UL Mark to be retrofitted onto an E85 dispenser. As discussed previously, this is due to the uncertainty of internal components that may have been changed since the unit was put into service. Therefore, a customer that requires evidence that the unit was originally built with E85 compatible components may contact Gilbarco Veeder-Root Encore Marketing for this documentation.

Are the newly UL LISTED E85 Flexible Fuel dispenser models also approved by the National Conference of Weights and Measures?

Yes, Gilbarco Flexible Fuel models are approved by the National Conference of Weights and Measures. The certificate # is 02-019A16.

Does Gilbarco have retrofit kits available and approved for upgrading standard dispensers to E85?

Gilbarco has submitted retrofit kits to Underwriter's Laboratory for evaluation.

What is Gilbarco Veeder-Root's Warranty on the E85 Flexible Fuel dispenser?

The Gilbarco Veeder-Root standard 2 year dispenser warranty coverage will apply to E85 Flexible Fuel dispensers as shown in the table below.

Gilbarco Veeder-Root Warranty Coverage by Fuel Type

Products	Up to E15	E25	E85
Encore S	All Models	Flexible Fuel models*	Flexible Fuel models*
Encore 300	All Models	Flexible Fuel models*	Flexible Fuel models*
Legacy®	All Models	none	none
Gasboy®	All Models	none	none

* Specific Flexible Fuel models can be found in the GPL-1500 pricebook on page 9 and in the latest Encore Product Brochure

Final Note: See Gilbarco Veeder-Root document, SP-3410 for more information regarding the blend wall and EPA's possible move to approve E15 as a standard motor fuel in the US and its use with standard Gilbarco dispensing equipment.

Home → Products → Pipe Thread Sealants → Gasola® E-Seal Thread Sealant



Gasola® E-Seal Thread Sealant



Non-hardening, non-toxic, opaque, dark green paste designed specifically for ethanol blended gasoline including E10 and E85 (for 100% ethanol or 100% methanol applications - use Gasola 100).

Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, fuel lines and couplings.

For use on brass, copper, stainless steel, aluminum, black pipe, tin and galvanized pipe.

Excellent resistance to gasoline, ethanol blended gasoline such as E10 and E85, petroleum solvents, kerosene diesel oil, BioDiesel propane, jet fuels, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam and potable water.

NOT for use on oxygen.

Temperature Range: -100°F to 600°F (-74°C to 318°C).

Pressure Range: Up to 10,000 psi when sealing liquids and up to 3,000 psi with gases.

One year shelf life.

Distributors

Translated Information for Download



Related < >



Fast Anaer Seal



Gasol Thread PTFE



Gasol Thread Sealant

[Additional Info](#) [Data Sheets](#)

FPC Stock Code	Container Size	Units per Case
GE04	1/4 pt. Brush	24
GE08	1/2 pt. Brush	24
GE16	1 pt. Brush	12



FIBERGLASS-COMPOSITE PIPE GROUP

Group Headquarters
9720 Cypresswood Drive, Suite 325
Houston, Texas 77070
Telephone: 832.912.8282
Fax: 832.912.9393

August 30, 2011

Subject: Bio-Fuel Compatibility

To Whom It May Concern:

Ameron Dualoy[®] 3000/L and 3000/LCX fiberglass piping systems (pipe, fittings and adhesive) are compatible with all concentrations of ethanol and ethanol blended fuels, from 0% to 100% ethanol content in gasoline.

The Dualoy product lines are also compatible with all concentrations of methanol blended fuels and all concentrations of bio-diesel.

Ameron Dualoy products are the only fully Listed systems for all applications, fuels and product types by Underwriters Laboratories Standard 971-2004.

Dualoy products were the first Listed by UL for full alcohol compatibility in 1988. Prior to that date, UL did not offer a Listing for alcohol blended fuels, although legacy Dualoy products prior to the Listing were compatible with ethanol and all concentrations of ethanol blended fuels.

For questions or other information needs, please contact Joie L. Folkers – Vice President Sales & Marketing at the above address or phone number or at jfolkers@ameron.com.

Respectfully submitted,

A handwritten signature in blue ink that reads 'Joie L. Folkers'.

Joie L. Folkers
Vice President Sales & Marketing
Ameron International
Fiberglass-Composite Pipe Division-USA

JLF/vo





S. Bravo Systems, Inc.
 2929 Vall Avenue
 Commerce, CA 90040
 1-800-AT-BRAVO
 www.sbravo.com

Wednesday - August 25 - 2010

R3 10.21.13

RE: Bravo Fiberglass Sumps and Alternative fuels

This letter is to certify the compatibility of Bravo (S. Bravo Systems, Inc.) Single and Double Wall Fiberglass Containment Sumps with Alternative Fuels such as Biodiesel and Ethanol blended fuels. It also addresses compatibility with DEF Diesel Exhaust Fluid.

Bravo Fiberglass products are engineered with the same UL Listed materials used in the manufacture and certification of Fiberglass Tanks, matching the UL Standard 1316. Since our Fiberglass containment sumps are Built like a Tank, they can withstand continuous fuel exposure to Biodiesel, Ethanol and Alcohol blends without failure.

All DoubleWall Containment Sumps are engineered to be fully compliant with the California State Water Resource Control Board Assembly Bill AB-2481 for DoubleWall Sumps and Continuous Monitoring Systems.

The following Single and Double Wall Containment Sumps manufactured by Bravo Systems in Commerce, California are compatible with Biodiesel and Ethanol fuel blends up to B100 and E100, respectively.

- > B3XX Series Spill Buckets
- > B4XX Series Tank Sumps & Covers
- > B5XX Series Planter Transition Sumps
- > B6XX Series Walkover Transition Sumps
- > B7XX Series H-20 Rated Transition Sumps
- > B8XX Series Transition Sumps
- > B1XXX Series UDC Sumps
- > B7XXX Series UDC Sumps
- > B8XXX Series UDC Sumps
- > B9XXX Series UDC Sumps

Bravo Systems also certifies that these products are compatible with and approved for use in secondary containing DEF Diesel Exhaust Fluid.

Each respective Series may be UL Listed in addition to being manufactured of UL recognized materials approved for use in the manufacture of Fiberglass UST tanks. Any other relevant documentation will be located in the documents area of each product's respective webpage.

Please feel free to contact us with any questions you may have at 800-AT-BRAVO.

Additionally, you may find further information at www.sbravo.com.

Sincerely,

Jonathan E. Smith
 Director of Brand Management
 S. Bravo Systems, Inc.





Engineering Report

Underground Tank Alcohol Compatibility

William A. Schneider
9/25/03

All Containment Solutions Inc. (CSI) single and double wall fuel tanks manufactured since the inception of CSI on 1/1/1995 are listed by Underwriters Laboratories Inc. under UL Standard 1316 (*Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures*) for the storage of "Petroleum Products, Alcohols and Alcohol-Gasoline Mixtures" under UL file MH7991..

The listing includes gasoline, gasoline-ethanol blends at any level of ethanol, gasoline-methanol blends at any level of methanol, 100% ethanol, and 100% methanol.

On 1/1/95, CSI purchased the assets of Owens Corning (OC) who previously developed and then manufactured fiberglass reinforced plastic underground storage tanks for fuel storage starting in the mid 60's. Documents produced by OC concerning the alcohol compatibility of their tanks are available from Owens Corning.



FIREFLEX FLEXIBLE CONNECTORS

Since their introduction in 1995, FLEX-ING™ FIREFLEX Flexible Connectors have quickly become the industry standard and benchmark for quality as a means to easily connect pipework system to other systems components such as submersible pumps or shear valves. The benefit of their use is undeniable. They have quickly become an integral part of any installation. Installers love their ease of installation while station owners have come to depend on their durability and how easy they make regular maintenance. With tons of available options, Franklin Fueling Systems has the right connector to fit any application.

Highlights

Flexibility is Key

When it comes to Flexible Connectors, flexibility is key. The tight working conditions found in dispenser and tank sumps provide little room for installers to work, motivating some manufacturers of flexible connectors to sacrifice overall strength for flexibility. With FLEX-ING™ FIREFLEX Flexible Connectors, there's no need to compromise. Their corrugated fuel contact layers feature a 25% thicker metal construction and gain flexibility from having more corrugations per foot rather than thinner walls.

Quality Construction

Enclosing the corrugated fuel contact layer is a stainless steel braid that is manufactured from only high-grade stainless steel. The precision braiding process used to manufacture the braid gives strength while still maintaining flexibility. These layers are tied together with a hand-welded coupler ring, and are factory pressure-tested for zero leaks.

Specifications

- USA NFPA 30-A fire rated
- All metal construction means one flexible connector for both above and below ground applications
- An 18-8 alloy outer shell, 321 Stainless Steel inner core provides a long service life
- Thick, schedule 80 hex end fittings protect against deformation of the ends
- 100% pressure tested to assure quality
- UL 2039 listed for 50psi working pressure
- EZ FIT clamp and gasket are included with each assembly

Ready for Anything

FLEX-ING™ FIREFLEX Flexible Connectors are available in a multitude of end connections to ensure the right fit for any application - including tees, elbows and FRP transitions. Standard male and female end connections with integrated hex-head surfaces provide easy installation and tightening. The male swivel end connection option allows for the ultimate in ease of installation. The male swivel end connection option features a three-gasket, x-ring seal design. This adds up to a total of six seals, eliminating potential leak paths.

EZ Fit Flexible Connectors

The EZ FIT union style coupling system is specifically designed to make connections in confined spaces simple and tight. The entire flexible connector assembly can be quickly and easily disconnected and pulled out of the inline system without breaking pipe. This feature makes installation fast and regular maintenance simple to carry out. Each EZ FIT union style coupling comes complete with couplers and gaskets..

Certifications

- UL 2039 listed for above and below ground installation; for use with gasoline, gas alcohol blends (up to E85), diesel and biodiesel.





THE DEFENDER SERIES® SPILL CONTAINMENT

The field-proven Defender Series® has gone toe-to-toe with the worst conditions the world's forecourts could throw at it and came out with a reputation for dependability and versatility. So how could you possibly improve upon the most dependable spill containment series on the market? For starters, we've integrated it into our rugged multiport platform and outfitted it for complete biofuel compatibility. The best defense just got better.

Highlights

Spills In, Water Out

The foremost function of a spill container is to keep spills in and keep water out all while enduring constant attack from weather, forecourt traffic and continuous fuel delivery handling. The rugged concrete ring, sturdy snow plow ring, integrated liquid dam and gasketed lid keep the Defender Series® capturing spills and repelling water intrusion for maximum protection of your liquid investment.

Ready for Anything

Regulations and requirements are constantly changing. The Defender Series® lets you choose a single wall spill containment option with the ability to upgrade to a double wall spill containment option in the future for twice the protection. The upgrade is simple and can be carried out without having to break concrete; an expense and hassle that no one wants to encounter.

Easy Installation and Retrofit

Let's face it; installations don't always go exactly as planned. Installers will love the variable height adjustment feature of the Defender Series®, which allows for 3 inches of adjustment in installation height, making it easy to ensure proper grade level installation. This feature also allows for easy replacement of most any other spill container in retrofit applications.

Interstitial Monitoring (double-wall versions only)

The peace of mind in knowing your double wall spill containment is performing as it should is priceless. The Defender Series® features two options, both mechanical and electronic, to receive immediate confirmation of the integrity of the interstitial space so you can spend less time worrying about the possibility of leaks.

Multiport Platform

Franklin has integrated the direct bury Defender Series® spill container into its multiport platform for a new level of protection and complete ease of access. With several layout configurations to choose from, the multiport platform lets you incorporate all of your spill containment into one space-saving area.

Multiport & Direct Bury Upgrade

With the multiport platform you have the option to choose single wall spill containers now with the freedom to upgrade to double wall in the future. When the time is right, simply unbolt the multiport top and replace the spill containers. Replacement is different for multi vs direct bury. In direct fill, you unbolt the plow ring and remove the bucket; on multiports you remove the large treadplate lid and change out the buckets.

Simple Maintenance

Maintenance with the Defender Series® is a breeze. With the direct bury models, you can easily replace interior containment without having to break concrete. The Defender Series® plow ring bolts are completely protected - located inside the interior of the container shielding them from the potential wear and tear of the forecourt environment.

Fully Biofuel Compatible

The Defender Series® incorporates only the highest-grade biofuel compatible components, which allow for use with petroleum, petroleum/alcohol blends (including E-85), diesel and biodiesel.



BIOFUEL

COMPATIBLE COMPLETE SYSTEMS

AG Model STPs Now UL Listed for E85 Applications

THE FUTURE OF THE FUELING
INDUSTRY IS NOW.

With many submersible turbine pump innovations and industry firsts already to its credit, FE Petro submersible turbine pumps from Franklin Fueling Systems are now UL listed for use in applications containing ethanol concentrations up to 85%.

In addition to great benefits like faster fueling times, safe and easy maintenance and simple servicing that FE Petro STPs already offer, now you can rest easy knowing you have an STP E85 application that is backed by a globally known and trusted safety certification resource. Franklin Fueling Systems has a full line of approved AG models to meet the varying needs of its customers.

Available AG Models

- Intelligent STPs
- 2 hp fixed speed STPs
- 1.5 hp fixed speed STPs
- 1/3 and 3/4 hp fixed speed STPs
- Fixed length STPs

Complete Biofuel Compatible Systems

Components of FFS systems are designed together, to work together, ensuring environmental compliance and overall safety.

Enhanced component design, including the incorporation of stainless steel and high grade elastomers, ensures compatibility and durability while preventing fuel contamination.

Franklin's global customer service and technical support team allow a single point of contact for all your Biofuel system needs.



Franklin Fueling Systems

AG Compatible Submersible Turbine Pumps

FE PETRO

Intelligent Submersible Turbine Pumps

Model	Description	Model Length
ISTM-1	2 hp variable speed with MagShell™	59"-87"
ISTM-2	2 hp variable speed with MagShell™	90"-151"
ISTM-3	2 hp variable speed with MagShell™	122"-213"
ISTMVS4-VL1	4 hp variable speed with MagShell™	64"-92"
ISTMVS4-VL2	4 hp variable speed with MagShell™	95"-156"
ISTMVS4-VL3	4 hp variable speed with MagShell™	127"-218"

2 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAGM200-VL1	2 hp AG fixed speed with MagShell™	63"-91"
STPAGM200-VL2	2 hp AG fixed speed with MagShell™	94"-154"
STPAGM200-VL3	2 hp AG fixed speed with MagShell™	126"-217"
STPAGHM200-VL1	2 hp AG high pressure fixed speed with MagShell™	63"-92"
STPAGHM200-VL2	2 hp AG high pressure fixed speed with MagShell™	94"-156"
STPAGHM200-VL3	2 hp AG high pressure fixed speed with MagShell™	126"-218"

1½ hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG150-VL1	1½ hp AG fixed speed	60"-88"
STPAG150-VL2	1½ hp AG fixed speed	91"-152"
STPAG150-VL3	1½ hp AG fixed speed	123"-214"
STPAGH150-VL1	1½ hp AG high pressure fixed speed	61"-89"
STPAGH150-VL2	1½ hp AG high pressure fixed speed	92"-152"
STPAGH150-VL3	1½ hp AG high pressure fixed speed	124"-215"

1/3 and 3/4 hp Fixed Speed Submersible Turbine Pumps

Model	Description	Model Length
STPAG33-VL1	1/3 hp AG fixed speed	55"-83"
STPAG33-VL2	1/3 hp AG fixed speed	86"-147"
STPAG33-VL3	1/3 hp AG fixed speed	118"-209"
STPAG75-VL1	3/4 hp AG fixed speed	57"-86"
STPAG75-VL2	3/4 hp AG fixed speed	88"-149"
STPAG75-VL3	3/4 hp AG fixed speed	120"-212"

Fixed Length Submersible Turbine Pumps

Model	Description	Model Length
STPAG33	1/3 hp fixed speed	37"-132"
STPAG75	¾ hp fixed speed	37"-132"
STPAG150	1½ hp fixed speed	37"-132"
STPAGH150	1½ hp high pressure fixed speed	37"-132"
STPAGM200	2 hp fixed speed with MagShell™	37"-132"
STPAGHM200	2 hp high pressure fixed speed with MagShell™	37"-132"

 **Franklin Fueling Systems**

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3760 Marsh Road • Madison, WI 53718, USA
Tel: +1 608 838 8786 • Fax: +1 608 838 6433
Tel: USA & Canada 1 800 225 9787 • Tel: Mexico 001 800 738 7610

 **PEI**
MEMBER

FFS-0129 01-10



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[62M-MA Monitoring Cap EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-ma-monitoring-cap-evr-approved-for-e85>

62M-MA Monitoring Cap EVR Approved for E85, OPW Retail Fueling 62M-MA for use with E85 CARB /EVR Approved for use with E85 Anodized aluminum construction Includes 3/8" Pipe Plug and 3/8" Grommet Fitting Compatible with 1/2" Grommet (sold separately) Product No. Body Cap Grommet Riser Thread Weight in. mm In. mm lbs. kg 62M-MA Anodized Aluminum, 62M-MA Monitoring Probe Cap EVR Approved for E85

[61T-SS Drop Tube E85 EVR Approved \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-ss-drop-tube-e85-evr-approved>

61T-SS Drop Tube E85 EVR Approved, OPW Retail Fueling 61T-SS for use with E85 EVR Approved for use with E85 Stainless Steel construction 4" Diameter in 12' or 17' Lengths – Accommodate a variety of tank diameters and fill riser pipe sizes. Drop Tube Length Product No. in. mm lbs. kg ft. m 61T-SS-0412 4 102 6.18 2.80 12 3.66 61T-SS-0417 4 102 13 5.9 17 5.19 61T-SS Series Drop Tube

[71JSK Series Jack Screw Kit EVR Approved for E85 \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85-)

</products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/spill-containers/71jsk-series-jack-screw-kit-evr-approved-for-e85->

71JSK Series Jack Screw Kit EVR Approved for E85 , OPW Retail Fueling 71JSK for use with E85 Product # Description 71JSK-4RMT Remote Fueling Jack Screw Kit E85 EVR Approved 71JSK-44MA Jack Screw Kit for Cast Iron Base Spill Buckets E85 EVR Approved CARB /EVR Approved for use with E85 Nickel Plated Aluminum Works in conjunction with our 71SOM for remote fueling applications Includes cages for both cast iron and composite base spill containers Eliminates notorious leak



DEFINING | WHAT'S NEXT

45 search results for "E85 "

[71SOM Vapor Tight Overflow Prevention Valve for Alcohol \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/71som-vapor-tight-overflow-prevention-valve-for-alcohol/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/71som-vapor-tight-overflow-prevention-valve-for-alcohol/)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/71som-vapor-tight-overflow-prevention-valve-for-alcohol

71SOM Vapor Tight Overflow Prevention Valve for Alcohol, OPW Retail Fueling 71SOM for use with E85 Nickel plated aluminum, anodized aluminum, stainless steel and other compatible materials, excavation, manholes or vent piping are required. CARB /EVR Approved for use with E85 Constructed, Installation Tool 2.5 1 71JSK-44MA Jack Screw Kit EVR Approved for E85 1.5 0.7 71JSK-4RMT Remote Fueling Jack Screw Kit EVR Approved for E85 1 0.5 NOTE: The 71SOM Overflow

[233 Series Extractor Fittings \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings/)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/extractor-fittings/233-series-extractor-fittings

% Ethanol (E85) or Methanol (M85) Body: Duragard® Coated Cast Iron Cage Assembly: ZA12 Zinc/Alloy, Fittings are EVR Approved for E85 233 Series Extractor Fittings FlexWorks Vent Pipe Installation

[61T Drop Tube \(/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-drop-tube/\)](/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-drop-tube/)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/overflow-prevention-valves/61t-drop-tube

17 5.19 E85 EVR Approved Drop Tube Length Product No. in. mm lbs

[OPW 241TPS Series Hose Swivels \(/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241-tps-series-hose-swivels/\)](/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/multi-plane-swivels/opw-241-tps-series-hose-swivel/opw-241-tps-series-hose-swivels/)

Internal Dimension as Standard 633T Adaptors – To minimize pressure drop and maximize flow rates for quick product delivery. 61SALP-MA - EVR Approved for use with E85 61SALP Adaptor: bronze Base: bronze Retaining ring: conductive nylon Set screws

OPW 21Ge™ Series Ethanol Nozzles (/products/temporary-/opw-21ge-series-ethanol-nozzles)

/products/temporary-/opw-21ge-series-ethanol-nozzles

3/4" F (NPT) 19 F x 19 F 0.6 0.27 Valve for up to E85 / 300 lb. □66V Series 3/4

10 Plus Series Emergency Shut-Off Valves (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/emergency-shear-valves/10-plus-series-emergency-shut-off-valves

Double Pressure Combination E85 10P-0152E85 1-1/2" 4 6.8 3.10 NPT Double

1 2 3 4 5

~~(http://www.opwglobal.com/search-results/results/results/results/results-retail-retail/page/57/indexCatalogue=retail&searchQuery=E85+&wordsMode=0)~~

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The following U.S. patents have expired:

4,199,012; 4,351,375; 4,429,725; 4,505,308; 4,453,578; 4,497,350; 4,557,302; 4,649,969; 4,682,714; 4,825,914; 4,971,121; 5,007,468; 5,135,029.

OPW claims no rights in any patent beyond its expiration.

Spill Container Product Identification Tags (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/multiports/spill-container-product-identification-tags)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/multiports/spill-container-product-identification-tags

Vapor Recovery Solid Orange 1TAG-7000 1TAG-7010 85% Ethanol (E85) Bronze Diamond / Black letters (E85) 1TAG-CE85 1TAG-BE85 Ultra Low Sulfur Yellow Hex / Black letter (U) 1TAG-4200

OPW 241TPS-0492 Ethanol Swivel (/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/e-85-alternative-fuel-swivels-breakaways/opw-241tps-0492-ethanol-swivel)

/products/us/retail-fueling-products/above-ground-products/standard-dispensing-equipment/swivels-and-breakaways/e-85-alternative-fuel-swivels-breakaways/opw-241tps-0492-ethanol-swivel

OPW 241TPS-0492 Ethanol Swivel, OPW Retail Fueling 241TPS-0492 E85 Ethanol Swivel UL Listed for up to 85% ethanol. Allows for easy nozzle positioning in fill pipes – Utilizing two planes of rotation. Reduces premature hose wear – Utilizing two planes of rotation. Added protection vs. thermal and chemical degradation – Dual Seals Design working pressure 50 PSI (3.45 bar) maximum pressure. Body: aluminum w/ nickel plating Outlet Adaptor: zinc w/ nickel plating Inlet Adaptor: zinc w

62M Monitor Probe Cap & Adaptor Kit (/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-monitor-probe-cap-adaptor-kit)

/products/us/retail-fueling-products/below-ground-products/underground-storage-tank-equipment/caps-adaptors/62m-monitor-probe-cap-adaptor-kit

62M Monitor Probe Cap & Adaptor Kit, OPW Retail Fueling 62M Monitor Probe Cap (Cast Aluminum) 62M Monitor Probe Cap Body – Cast aluminum Cap – Cast aluminum Seals – Nitrile Latch – Duratuff® 62M-MA Monitor Probe Cap Body – Anodized aluminum Cap – Anodized aluminum E85 EVR Approved Product No. Body Cap Grommet Riser Thread Weight in. mm in. mm lbs. kg 62M-0375 Aluminum Aluminum 3/8 9.5 4 102 1.3 .59 Accepts .069

1 2 3 4 5
(http://www.opwglobal.com/search-results-
retailRetail/retail/241tps-0492-ethanol-swivel/57
indexCatalogue=retail&searchQuery=E85+&wordsMode=0)

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OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Install Permit Application - Anderson Pump Service, Inc. - State ID: IL002275

Permit Application Summary

Permit Application Status: **Approved**

Last Submit Date: 3/13/2020

Owner - U0039801

Owner Name	Lenny's Food N Fuel 183rd Street, LLC
Address	8200 W 185th Street Suite K Tinley Park, IL 60487
Contact Person	Len McEnery
Phone Number	(708) 444-0117

Facility - 2047018

Facility Name	Lenny's Food N Fuel 183rd Street, LLC
Address	7451 183rd Street Tinley Park, IL 60487
County	Cook
Contact Person	Len McEnery
Phone Number	(708) 444-0117

Owner Information is different

Facility Information is different

Tanks on the Permit

Tank #	Capacity	Product	Tank Status	Regulated Status
1	20,000	Gasoline - Regular	Not Installed	Federal
2	6,000	Gasoline - Premium	Not Installed	Federal
3	12,000	Diesel Fuel	Not Installed	Federal
4	10,000	E-85	Not Installed	Federal
5	3,000	Diesel Exhaust Fluid (Non-Regulated)	Not Installed	Federal

Equipment Summary

Tank 1

Equipment Type	Equipment
Leak Detect - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring
Leak Detect - Piping	Electronic Pressurized Line Leak Detection
Leak Detect - Piping	Non-Discriminating Sump Sensor with positive shutdown
Spill Contain Device	Double Wall Spill Bucket
Overfill Prev Device	Overfill Drop Tube Valve
Corrosion Prot - Tank	Fiberglass Non-Corrosive
Corrosion Prot - Piping	Fiberglass Non-Corrosive
Tank	Fiberglass Double Wall Containment Solutions
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX
Piping	Flex Connector Steel
Piping	Single Wall STP/Tanktop Sump
Piping	Ball Valves
Piping	Shear Valves

Tank 2

Equipment Type	Equipment
Leak Detect - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring
Leak Detect - Piping	Electronic Pressurized Line Leak Detection
Leak Detect - Piping	Non-Discriminating Sump Sensor with positive shutdown
Spill Contain Device	Double Wall Spill Bucket
Overfill Prev Device	Overfill Drop Tube Valve
Corrosion Prot - Tank	Fiberglass Non-Corrosive
Corrosion Prot - Piping	Fiberglass Non-Corrosive
Tank	Fiberglass Double Wall Containment Solutions
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX
Piping	Flex Connector Steel
Piping	Single Wall STP/Tanktop Sump
Piping	Ball Valves
Piping	Shear Valves

Tank 3

Equipment Type	Equipment
Leak Detect - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring
Leak Detect - Piping	Electronic Pressurized Line Leak Detection
Leak Detect - Piping	Non-Discriminating Sump Sensor with positive shutdown
Spill Contain Device	Double Wall Spill Bucket
Overfill Prev Device	Overfill Drop Tube Valve
Corrosion Prot - Tank	Fiberglass Non-Corrosive
Corrosion Prot - Piping	Fiberglass Non-Corrosive
Tank	Fiberglass Double Wall Containment Solutions
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX
Piping	Flex Connector Steel
Piping	Single Wall STP/Tanktop Sump
Piping	Ball Valves
Piping	Shear Valves

Tank 4

Equipment Type	Equipment
Leak Detect - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring
Leak Detect - Piping	Electronic Pressurized Line Leak Detection
Leak Detect - Piping	Non-Discriminating Sump Sensor with positive shutdown
Spill Contain Device	Double Wall Spill Bucket
Overfill Prev Device	Overfill Drop Tube Valve
Corrosion Prot - Tank	Fiberglass Non-Corrosive
Corrosion Prot - Piping	Fiberglass Non-Corrosive
Tank	Fiberglass Double Wall Containment Solutions
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX
Piping	Flex Connector Steel
Piping	Single Wall STP/Tanktop Sump
Piping	Ball Valves
Piping	Shear Valves

Tank 5

Equipment Type	Equipment
Leak Detect - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detect - Tank	Non-Discriminating Sensors Interstitial Monitoring
Leak Detect - Piping	Non-Discriminating Sump Sensor with positive shutdown
Corrosion Prot - Tank	Fiberglass Non-Corrosive
Tank	Fiberglass Double Wall Containment Solutions
Piping	Single Wall STP/Tanktop Sump
Piping	Ball Valves
Spill Contain Device	Single Wall Spill Bucket Horizontal Cabinet
Overfill Prev Device	Overfill Alarm
Corrosion Prot - Piping	Flexible Non-Corrosive
Corrosion Prot - Piping	Polyethylene Chase
Piping	Flexible Double Wall OmegaFlex DoubleTrac

Summary of Work

Installing new site per attached

Islands/Canopy/Dispensers

Islands:	<input type="radio"/> Existing to remain	<input checked="" type="radio"/> Installing new	<input type="radio"/> Reconstructing (explain below)	<input type="radio"/> None
Canopy:	<input type="radio"/> Existing to remain	<input checked="" type="radio"/> Installing new	<input type="radio"/> Reconstructing (explain below)	<input type="radio"/> None
Dispensers:	<input type="radio"/> Existing to remain	<input checked="" type="radio"/> Installing new	<input type="radio"/> Reconstructing (explain below)	<input type="radio"/> None

Islands/Canopy/Dispensers Work Explanation

Installing new station per attached.

Minimum Setbacks

Clearance distances must be given on the site plans in dimensions from the UST system to all buildings, structures and objects with a setback requirement. The minimum setback requirements for all tanks and all piping are at least:

Yes	No	
<input checked="" type="radio"/>	<input type="radio"/>	20 feet to property lines or right of way lines
<input type="radio"/>	<input checked="" type="radio"/>	20 feet to storm sewer lines, sanitary sewer lines or similar underground drainage systems
<input checked="" type="radio"/>	<input type="radio"/>	20 feet to basements or similar underground structures both on and off property
<input checked="" type="radio"/>	<input type="radio"/>	300 feet to any mine shaft, air or escape shaft to a mine
<input checked="" type="radio"/>	<input type="radio"/>	85 feet to any school, institution, public assembly or theater occupancy
<input checked="" type="radio"/>	<input type="radio"/>	400 feet to any potable wells on or near the facility. If no, contact IEPA Groundwater section at (217) 78514787

Is facility operated as a Motor Fuel Dispensing Facility?

Yes No

Facility will be operated as:

An Attended Self-Service Motor Fuel Dispensing Facility

Site Plans

Document Type	Document name	Last Uploaded
Site Plans	Lenny Tinley Drawing.pdf	3/13/2020 10:24:37 AM

Supplemental Documents Uploaded for the Application

Document Type	Document name	Last Uploaded
Miscellaneous	lenny E85 tinley 1.pdf	3/13/2020 10:25:14 AM
Miscellaneous	Lenny E85 tinley 2.pdf	3/13/2020 10:25:28 AM
Miscellaneous	lenny e85 tinley 3.pdf	3/13/2020 10:25:46 AM

Terms and Conditions

Name of the Authorized Representative: Stephen M Kryl

Title or Position: Project Manager

I agree to the Terms and Conditions

Payment**Permit Application Status: Approved**

Bill To Name	Payment Received	Applied Amount	Received	Authorization Code	Transaction ID
Stephen Kryl	\$200.00	(\$200.00)	3/13/2020	20013747	10920_0_p



Office of the Illinois State Fire Marshal
Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, IL 62703
 217/785-1020
 www.sfm.illinois.gov
 SFM.DPCS@illinois.gov
Revised

FOR OFFICE USE ONLY	
Facility #:	2047018
Permit #:	01491-2024UPG
Request Rec'd:	11/14/2024
Approval Date:	11/19/2024 DS
Revision Date:	01/15/2025 DS
Permit Expires:	05/20/2025

Permit for UPGRADE or REPAIR of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances

Permission to upgrade or repair underground storage tank(s) or piping is hereby granted. Such upgrade or repair must be in complete accordance with acceptable materials as specified in the Federal Register, Part II Environmental Protection Agency, 40 CFR Parts 280 and 281, and also with all sections of 41 Illinois Administrative Code, Parts 174, 175 and 176. The contractor the permit was issued to shall establish a date and time certain to perform the UST activity by scheduling the permitted activity through their UST contractor portal account. All testing forms must be submitted prior to the final being conducted.

THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.

OWNER OF TANKS - Corporation, partnership, or other business entity: Lenny's Food N Fuel 183rd Street, LLC 8200 185th Street, Suite K Tinley Park, IL 60487 (None) County Contact: Leonard McEnery 708/444-0117	FACILITY - name and address where tanks are located: Lenny's Food N Fuel 183rd Street, LLC 7451 183rd Street Tinley Park, IL 60487 Cook County Contact: Len McEnery 708/444-0117
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Tanks on the Permit

Tank #	Product	Capacity	Tank Status	Regulated Status
1	Gasoline - Regular	20,000	Currently in use	Federal
2	Gasoline - Premium	6,000	Currently in use	Federal
3	Diesel Fuel	12,000	Currently in use	Federal
4	E85	10,000	Currently in use	Federal

Tank 1 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	Replacing - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Tank 2 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	Replacing - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Tank 3 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	Replacing - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Tank 4 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	Replacing - Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors

Summary of Work

Remove CSLD from site and use sensors as form of Leak Detection,

Special Contingencies

Revision Reason:

Changed tank interstitial leak detection from new to replaced

PERSON, FIRM OR COMPANY PERFORMING WORK:

Anderson Pump Service, Inc.
19659 South 97th Avenue
Mokena, IL 60448

Contact Person: Ron Anderson
Phone: 708/243-9081
Email: Steve@andersonpump.com
Contractor License # IL002275 Exp. 5/21/2026

Sincerely,



Daniel Starks



Office of the Illinois State Fire Marshal
Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, IL 62703
 217/785-1020
 www.sfm.illinois.gov
 SFM.DPCS@illinois.gov

FOR OFFICE USE ONLY	
Facility #:	2047018
Permit #:	01491-2024UPG
Request Rec'd:	11/14/2024
Approval Date:	11/19/2024 DS
Permit Expires:	05/20/2025

Permit for UPGRADE or REPAIR of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances

Permission to upgrade or repair underground storage tank(s) or piping is hereby granted. Such upgrade or repair must be in complete accordance with acceptable materials as specified in the Federal Register, Part II Environmental Protection Agency, 40 CFR Parts 280 and 281, and also with all sections of 41 Illinois Administrative Code, Parts 174, 175 and 176. The contractor the permit was issued to shall establish a date and time certain to perform the UST activity by scheduling the permitted activity through their UST contractor portal account. All testing forms must be submitted prior to the final being conducted.

THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.

OWNER OF TANKS - Corporation, partnership, or other business entity: Lenny's Food N Fuel 183rd Street, LLC 8200 185th Street, Suite K Tinley Park, IL 60487 (None) County Contact: Leonard McEnergy 708/444-0117	FACILITY - name and address where tanks are located: Lenny's Food N Fuel 183rd Street, LLC 7451 183rd Street Tinley Park, IL 60487 Cook County Contact: Len McEnergy 708/444-0117
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Tanks on the Permit

Tank #	Product	Capacity	Tank Status	Regulated Status
1	Gasoline - Regular	20,000	Currently in use	Federal
2	Gasoline - Premium	6,000	Currently in use	Federal
3	Diesel Fuel	12,000	Currently in use	Federal
4	E85	10,000	Currently in use	Federal

Tank 1 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	Removing
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	New

Tank 2 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	Removing

Tank 3 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	Removing

Tank 4 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 350 Plus	Replacing - Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors With Monitor	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	Removing

Summary of Work

Remove CSLD from site and use sensors as form of Leak Detection,

Special Contingencies

PERSON, FIRM OR COMPANY PERFORMING WORK:	
Anderson Pump Service, Inc. 19659 South 97th Avenue Mokena, IL 60448	Contact Person: Ron Anderson Phone: 708/243-9081 Email: Steve@andersonpump.com Contractor License # IL002275 Exp. 5/21/2026

Sincerely,



Daniel Starks



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

Upgrade Permit Application - 2047018 - Anderson Pump Service, Inc. - State ID: IL002275 - Permit Number: 01491-2024UPG

Permit Application Summary

Permit Application Status: Approved

Last Submit Date: 11/14/2024

Owner - U0041033

Owner Name	Lenny's Food N Fuel 183rd Street, LLC
Address	8200 185th Street, Suite K Tinley Park, IL 60487
Contact Person	Leonard McEnergy
Phone Number	(708) 444-0117

Owner Information is different

Facility - 2047018 (Active)

Facility Name	Lenny's Food N Fuel 183rd Street, LLC
Address	7451 183rd Street Tinley Park, IL 60487
County	Cook
Contact Person	Len McEnergy
Phone Number	(708) 444-0117

Facility Information is different

Tanks on Permit

Tank #	Capacity	Product	Tank Status	Regulated Status	Pre-1974	Last Used Date
1	20,000	Gasoline - Regular	Currently in use	Federal	No	
2	6,000	Gasoline - Premium	Currently in use	Federal	No	
3	12,000	Diesel Fuel	Currently in use	Federal	No	
4	10,000	E85	Currently in use	Federal	No	

Tank Equipment on Permit

Tank 1 Equipment

Equipment Type	Permit Equipment	Permit Action
Leak Detection - Tank	Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor	New

Tank 2 Equipment

Equipment Type	Permit Equipment	Permit Action
Leak Detection - Tank	Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor	New

Tank 3 Equipment

Equipment Type	Permit Equipment	Permit Action
Leak Detection - Tank	Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor	New

Tank 4 Equipment

Equipment Type	Permit Equipment	Permit Action
Leak Detection - Tank	Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors	Removing
Leak Detection - Tank	Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor	New

Identical Tank Equipment Descriptions

Identical Equipment for Tank 1

Summary of Work (in Terms and Conditions)

Remove CSLD from site and use sensors as form of Leak Detection,

Supplemental Information

Product Piping and Containment Sump Penetrations

This upgrade does NOT cause product piping to be broken, or affect containment sump penetrations.

Vents and Risers

Vents and/or risers were NOT repaired or replaced due to water ingress.

Islands and Canopy

Islands:	<input checked="" type="radio"/> Existing to remain	<input type="radio"/> Installing new	<input type="radio"/> Reconstructing (explain below)	<input type="radio"/> None
Canopy:	<input checked="" type="radio"/> Existing to remain	<input type="radio"/> Installing new	<input type="radio"/> Reconstructing (explain below)	<input type="radio"/> None

Islands and Canopy Work Explanation

Remove CSLD from site and use sensors as form of Leak Detection,

Minimum Setbacks

Clearance distances must be given on the site plans in dimensions from the UST system to all buildings, structures and objects with a setback requirement. The minimum setback requirements for all tanks and all piping are at least:

Yes	No	
<input checked="" type="radio"/>	<input type="radio"/>	20 feet to basements or similar underground structures both on and off property

Motor Fuel Dispensing

Is facility operated as a Motor Fuel Dispensing (MFD) facility?

Yes No

Facility will be operated as:

An Attended Self-Service Motor Fuel Dispensing Facility

Type of Motor Fuel Dispensing changes related to this permit:

No motor fuel dispensing changes

Are substantial Motor Fuel Dispensing modifications being made to the facility?

Yes No

Motor Fuel Dispensing Forms

Form Name	Facility Number	Facility Name	Owner Name	Status	Status Date

Supplemental Documents (in Terms and Conditions)

* I will complete and submit a Blended Fuel Compatibility Form for tank 4

[Click Here to view the Blended Fuel Compatibility Form for tank 4](#)

Document name	Last Uploaded

Terms and Conditions

Contractor Representative

Name of the Authorized Representative: Steve Kryl

Title or Position: Project Manager

Contractor Representative Email: Steve@andersonpump.com

Contractor Representative Phone Number: (708) 243-9081

I agree to the Terms and Conditions

Child Support Certification

In accordance with 5 Illinois Compiled Statutes 100/10-65 , the licensee or applicant shall certify, under penalty of perjury, that he or she is not more than 30 days delinquent in complying with a child support order. **Failure to certify shall result in disciplinary action, and making a false statement may subject the licensee to contempt of court.**

Are you/the company more than 30 days delinquent in complying with a child support order? Yes No

(NOTE: If you/the company are not subject to a child support order, answer "No")

Payment

Permit Application Status: Approved

Bill To Name	Payment Received	Applied Amount	Remaining Balance	Received	Authorization Code	Transaction ID	Action
Stephen Kryl	\$200.00	(\$200.00)	\$0.00	11/14/2024	20059054	19999_0_p	



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Emergency Repair Request Summary

**** APPROVED ****

Contractor Number: IL002275

Contractor Name: Anderson Pump Service, Inc.

Facility Number: 2047018

Facility Name: Lenny's Food N Fuel 183rd Street, LLC

Facility Address: 7451 183rd Street

Facility City/State/Zip: Tinley Park, IL 60487

Facility County: Cook

Emergency Repair Status: Approved

Worked Date: 5/1/2025

Install / Retrofitting

Selected Facility Tanks

Number	Capacity (gal)	Product	Status	Regulated Status
2	6,000	Gasoline - Premium	Currently in use	

Please specify all work that is being requested and the reason for this emergency repair: Pumps 7/8 is leaking under dispenser. We will be replacing the steel for premium line under this dispenser to fix leak.

Submitter Name: Keenan Ary

Submitter Phone Number: (630) 484-7374

Approved Date: 5/1/2025

Approved By User: Daniel Starks



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Emergency Repair Request Summary

**** CANCELLED ****

Contractor Number: IL002275

Contractor Name: Anderson Pump Service, Inc.

Facility Number: 2047018

Facility Name: Lenny's Food N Fuel 183rd Street, LLC

Facility Address: 7451 183rd Street

Facility City/State/Zip: Tinley Park, IL 60487

Facility County: Cook

Emergency Repair Status: **** CANCELLED ****

Worked Date: 5/1/2025

Install / Retrofitting

Selected Facility Tanks

Number	Capacity (gal)	Product	Status	Regulated Status
2	6,000	Gasoline - Premium	Currently in use	

Please specify all work that is being requested and the reason for this emergency repair: Pumps 7/8 is leaking under dispenser. We will be replacing the steel for premium line under this dispenser to fix leak.

Submitter Name: Keenan Ary

Submitter Phone Number: (630) 484-7374

Cancelled Date: 5/14/2025

Cancelled By User: Daniel Starks

Reason for Denial/Cancel: Contractor didn't need the permit