



Office of the Illinois State Fire Marshal  
Division of Petroleum and Chemical Safety  
1035 Stevenson Drive  
Springfield, IL 62703  
2177851020

**Amended**

**FOR OFFICE USE ONLY**

Facility # 5038454  
Permit # 01432-2019INS  
Request Rec'd 07/26/2019  
Amended Date 09/05/2019 DS  
Approval Date 7/31/2019 DS  
Permit Expires 1/31/2020

**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><b>(1) <u>OWNER OF TANKS</u></b> - Corporation, partnership, or other business entity:</p> <p>Thorntons LLC 2600 James Thornton Way Louisville, KY 40245</p> <p>Contact: Shawn Orr (502) 425-8022</p>	<p><b>(2) <u>FACILITY</u></b> - name and address where tanks are located:</p> <p>Thorntons #373 3005 S. 6th Street Springfield, IL 62703</p> <p>Contact: Mark Gray (217) 544-1436</p>
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**(3) INSTALLATION OF TANKS:**

- (a) Number and size of tanks being installed: (TK # 6) - 20,000, (TK # 7) - 10,000, (TK # 8, 9) - 6,000*
- (b) Type of tank(s): (TK # 6, 7, 8, 9) Tank - Fiberglass Brine Filled Double Wall XERXES*
- (c) Type of piping: (TK # 6, 7, 8, 9) Piping - Fiberglass Double Wall A.O. Smith from tanks to dispensers as shown in site plan, (TK # 6, 7, 8, 9) Piping - Other submersible pump, (TK # 6, 7, 8, 9) Piping - Ball Valves, (TK # 6, 7, 8, 9) Piping - Extractor Fitting Valves, (TK # 6, 7, 8, 9) Piping - Shear Valves, (TK # 6, 7, 8, 9) Piping - Flex Connector Steel, (TK # 6, 7, 8, 9) Piping - Single Wall STP/Tanktop Sump XERXES Fiberglass*
- (d) Product to be stored in each tank: (TK # 6) - Gasoline - Regular, (TK # 7) - Diesel Fuel, (TK # 8) - Gasoline - Premium, (TK # 9) - E-85*
- (e) Type of leak detection being used:*
  - Tank: (TK # 6, 7, 8, 9) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 350 Plus with CSLD, (TK # 6, 7, 8) Leak Detect - Tank - Interstitial Monitoring Veeder Root TLS 350 Plus, (TK # 9) Leak Detect - Tank - Non-Discriminating Sensors Interstitial Monitoring Veeder Root TLS 350 micro sensor*
  - Piping: (TK # 6, 7, 8, 9) Leak Detect - Piping - Electronic Pressurized Line Leak Detection Veeder Root TLS 350 PLLD leak sensors, (TK # 6, 7, 8) Leak Detect - Piping - Non-Discriminating Sump Sensor Interstitial Monitoring Veeder Root in all submersible and dispenser sumps, (TK # 9) Leak Detect - Piping - Stand Alone Sensor Interstitial Monitoring Veeder Root non discriminating in 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 # 6, 7, 8, 9) Corrosion Prot - Tank - Fiberglass Non-Corrosive*
  - Piping: (TK # 6, 7, 8, 9) Corrosion Prot - Piping - Fiberglass Non-Corrosive*
- (g) Spill containment devices, piping and dispenser containment devices: (TK # 6, 7, 8, 9) Spill Contain Device - Double Wall Spill Bucket Franklin Fueling Systems Defender 705*
- (h) Overfill prevention devices: (TK # 6, 7, 8) Overfill Prev Device - Overfill Drop Tube Valve OPW 71SO-410C, (TK # 6, 7, 8, 9) Overfill Prev Device - Overfill Alarm Veeder Root TLS 350 Plus, (TK # 9) Overfill Prev Device - Overfill Drop Tube Valve OPW 71SOM*

- (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](http://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** :

Removing (5) existing tanks under a separate permit & Installing (2) DW FRP Xerxes Tanks Brime filled (1) - 20K Reg. (1) 22K Split 6K Preim- 10K Diesel- 6K E-85  
Installing (5) FE Petro 4hp IST-M-R-VS4-VL2-17 Achol / gas compatible Veeder TLS 350 Plus w/ CSLD , (5) PLLD Interstitial tank sensors , (12) non Discriminating sump sensors (794380-323) E-85 Compatible Mag 1 probes (1) 846391-410 Alternative Fluids probe for the E-85, (1) 846400-004 E-85 float kit. Veeder Root Overfill alarm & Acknowledgement switch . Xerxes water tight SW FRP tank sumps. Franklin Defender 705 DW spill containment, OPW 71S0-410C 7 OPW 71S0M-412C E-85 Overfill droptubes, Bravo SW FRP Dispenser sumps w/ OPW 10P-0152 & 10P-0152E-85 sheer valves, SS flex connectors, 2" SS Ball Valves Jomar 100-968, Gasolia GE-16 E-85 thread sealant , Smith FRP DW piping 3" over 2"

Xerxes tanks & Tank sumps were installed instead of Containment solutions

The piping is 3" over 2" Smith red thread FRP instead of Ameron 2" - 3000 LCX

**NOTE: Per Fred Schneller, this job is to be done in stages in order to keep the station open**

**(6) PERSON, FIRM OR COMPANY PERFORMING WORK:**

Seneca Companies, Inc.  
4140 East 14th Street PO Box 3360  
Des Moines, IA 50313

Contact Person: Glen Davis  
Phone: (816) 761-1270  
Contractor Registration # IL598 Exp. 2/23/2020

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist  
Division File