



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 # 2019445
Permit # 00096-2018INS
Request Rec'd 01/24/2018
Amended Date
Approval Date 1/25/2018 DS
Permit Expires 7/25/2018

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.**

(1) <u>OWNER OF TANKS</u> - Corporation, partnership, or other business entity: Dept of Veteran Affairs Edward Hines Jr. Hospital 5th & Roosevelt Road, Bldg 218 P.O. Box 5000-138S Hines, IL 60140 Contact: Lawrence Koneicki (708) 202-8387	(2) <u>FACILITY</u> - name and address where tanks are located: Edward Hines Jr. Hospital 5th & Roosevelt Road, Building 218 Hines, IL 60140 Contact: Lawrence Koneicki (708) 202-8387
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(3) INSTALLATION OF TANKS:

- (a) Number and size of tanks being installed: (TK # 26, 27, 28, 29, 30) - 40,000*
- (b) Type of tank(s): (TK # 26, 27, 28, 29, 30) Tank - Fiberglass Double Wall XERXES*
- (c) Type of piping: (TK # 26, 27, 28, 29, 30) Piping - Fiberglass Double Wall NOV Fiberglass Systems Red Thread IIA fiberglass piping, (TK # 26, 27, 28, 29, 30) Piping - Extractor Fitting Valves, (TK # 26, 27, 28, 29, 30) Piping - Valves Ball Valve, (TK # 26, 27, 28, 29, 30) Piping - Valves Foot Valve, (TK # 26, 27, 28, 29, 30) Piping - Submersible Sumps Bravo B-400 Series*
- (d) Product to be stored in each tank: (TK # 26, 27, 28, 29, 30) - Diesel Fuel*
- (e) Type of leak detection being used:*
 - Tank: (TK # 26, 27, 28, 29, 30) Leak Detect - Tank - Interstitial Monitoring Veeder Root TLS 350 Plus*
 - Piping: (TK # 26, 27, 28, 29, 30) Leak Detect - Piping - American with Sensors/No Test Suction, (TK # 26, 27, 28, 29, 30) Leak Detect - Piping - Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 350 Plus*
- (f) Corrosion Protection being used:*
 - Tank: (TK # 26, 27, 28, 29, 30) Corrosion Prot - Tank - Fiberglass Non-Corrosive*
 - Piping: (TK # 26, 27, 28, 29, 30) Corrosion Prot - Piping - Fiberglass Non-Corrosive*
- (g) Spill containment devices, piping and dispenser containment devices: (TK # 26, 27, 28, 29, 30) Spill Contain Device - Manhole Pre-manufactured OPW 101-2100*
- (h) Overfill prevention devices: (TK # 26, 27, 28, 29, 30) Overfill Prev Device - Overfill Drop Tube Valve OPW 71SO, (TK # 26, 27, 28, 29, 30) Overfill Prev Device - Overfill Alarm Veeder Root TLS 350 Plus*

- (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 :

(5) 40,000 gallon underground storage tanks for diesel fuel for back up boiler and generators.

Fuel supply and return piping will be double wall fiberglass.

System is an American Suction system with footvalves at the bottom of the supply suction tubes.

The vent lines are to be 3" fiberglass single wall.

The system will be monitored for level and leak detection by a Veeder Root TLS 350 plus.

There will be tank top pipe sumps for the supply and return pipes with liquid sensors within each sump.

The tanks will have a liquid sensor within the interstice for leak detection.

There will be a Veeder Root Overfill Alarm and OPW 71SO overfill valves for over protection for system.

There will be an OPW 101 BG spill manholes on each tank.

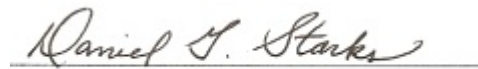
NOTE: Upon the detection of a leak, the leak detection should alarm only per OSFM policy number 13-PCS-001

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Crowne Industries, Ltd.
651 S. Sutton Road #214
Streamwood, IL 60107

Contact Person: Robert Sumoski
Phone: (630) 497-9009
Contractor Registration # IL002345 Exp. 5/16/2018

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File