



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 # 2047407
Permit # 00394-2022INS
Request Rec'd 04/13/2022
Amended Date 08/09/2022 DS
Approval Date 4/17/2022 DS
Permit Expires 10/18/2022

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) OWNER OF TANKS - Corporation, partnership, or other business entity: City of Highland Park 1150 Half Day Road Highland Park, IL 60035 Contact: Tom Brennan (847) 203-6527	(2) FACILITY - name and address where tanks are located: Highland Park Municipal Fueling Station 1180 Half Day Road Highland Park, IL 60035 Contact: Ron Bannon (847) 926-1146
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(3) INSTALLATION OF TANKS:

- (a) Number and size of tanks being installed: (TK # 1) - 10,000, (TK # 2) - 12,000*
- (b) Type of tank(s): (TK # 1, 2) Tank - Composite Double Wall Lannon*
- (c) Type of piping: (TK # 1, 2) Piping - Fiberglass Single Wall Piping Ameron Dualoy 3000L, (TK # 1, 2) Piping - Flexible Double Wall OmegaFlex DoubleTrac, (TK # 1, 2) Piping - Other Submersible Pump, (TK # 1, 2) Piping - Ball Valves, (TK # 1, 2) Piping - Positive Shutoff Valves, (TK # 1, 2) Piping - Shear Valves, (TK # 1, 2) Piping - Single Wall STP/Tanktop Sump*
- (d) Product to be stored in each tank: (TK # 1) - Diesel Fuel, (TK # 2) - Gasoline - Regular*
- (e) Type of leak detection being used:*
 - Tank: (TK # 1, 2) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 450 Plus, (TK # 1, 2) Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors*
 - Piping: (TK # 1, 2) Leak Detect - Piping - Electronic Pressurized Line Leak Detection, (TK # 1, 2) Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown*
- (f) Corrosion Protection being used:*
 - Tank: (TK # 1, 2) Corrosion Prot - Tank - Composite Non-Corrosive*
 - Piping: (TK # 1, 2) Corrosion Prot - Piping - Flexible Non-Corrosive*
- (g) Spill containment devices, piping and dispenser containment devices: (TK # 1, 2) Spill Contain Device - Double Wall Spill Bucket Remote Fill*
- (h) Overfill prevention devices: (TK # 1, 2) Overfill Prev Device - Overfill Drop Tube Valve, (TK # 1, 2) 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 or 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** :

TANKS:

Installing (1) 10,000 gallon double wall composite tank 12,000 gallons for gasoline, 10,000 gallons for diesel. manufactured by Lannon Tank.

ISLANDS/DISPENSERS

Installing (1) island measuring 4' x 36' with crash protection for fuel dispensing. There will be dispenser pans installed beneath dispensers at islands and each will have liquid sump sensor with positive shutdown.

OVERSPILL MANHOLE & OVERFILL VALVE

Installing (2) remote fill double wall overspill manholes.

Installing (2) OPW 71SO overfill prevention valves for remote fill application.

PIPING:

Product Lines: Omegaflex double wall piping to all islands.

Remote fill lines: Ameron double wall piping. There is a sensor within the containment where the remote fill connects to the tank.

Vent lines: Ameron single wall fiberglass and will run to riser area north of tanks.

SUBMERSIBLE PUMPS:

Installing FE Petro brand 1.5 horsepower submersible pumps for gasoline & 2.0 horsepower submersible pump for diesel with electronic line leak detectors by Veeder Root.

LEAK DETECTION:

Veeder Root TLS 450 Plus will be installed with liquid sensors as follows:

- (1) Liquid sensor within the tank interstice each tank with positive shut down.
- (1) Liquid sensor within each piping sump at tank top – Total of (4) with positive shut down.
- (1) Liquid sensor under each dispenser within dispenser pans at ALL islands – Total of (3) for leak detection with positive shut down.
- (2) In-Tank Level only probes monitoring levels.

Concrete & Canopy:

Concrete pads will cover tanks and surround island.

New Canopy will be furnished and installed.

Amendment Reason: Original design called for overspill manholes to be installed within the tank top containment sump for both diesel and gasoline tanks. This design will create challenges to connect the fill hose within the sump. Decision has been made to relocate the overspill manholes for both tanks outside the tank top containment so the design will now be a remote fill within 3 feet of the containment sump. For both tanks: the remote fill pipes will be 3" double wall fiberglass pipe and the spill bucket will be an OPW 101 BG-2100 series below grade manhole. There will be a liquid sensor within the containment sump where the remote fill pipe is piped to. Total pipe length is approximately 3 feet.

(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. 5/16/2022

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File