



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 # 2047496
Permit # 01057-2022INS
Request Rec'd 09/22/2022
Amended Date
Approval Date 9/26/2022 DS
Permit Expires 9/28/2023

Extended

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: Mercyhealth System Corporation 1000 Mineral Point Ave Janesville, WI 53548 Contact: Charles Leff (608) 756-6000	(2) <u>FACILITY</u> - name and address where tanks are located: Mercy Health Hospital and Clinic 851 S. Rt 31 Crystal Lake, IL 60014 Contact: Charles Leff (608) 756-6000
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(3) **INSTALLATION OF TANKS:**

- (a) *Number and size of tanks being installed: (TK # 1) - 20,000*
- (b) *Type of tank(s): (TK # 1) Tank - Composite Double Wall Lannon*
- (c) *Type of piping: (TK # 1) Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX , (TK # 1) Piping - Flexible Double Wall OmegaFlex DoubleTrac , (TK # 1) Piping - Other Submersible Pump, (TK # 1) Piping - Ball Valves , (TK # 1) Piping - Single Wall STP/Tanktop Sump , (TK # 1) Piping - Single Wall Transition Sump*
- (d) *Product to be stored in each tank: (TK # 1) - Diesel Fuel*
- (e) *Type of leak detection being used:*

Tank: (TK # 1) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 450 Plus , (TK # 1) Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors With Monitor

Piping: (TK # 1) Leak Detect - Piping - Electronic Pressurized Line Leak Detection, (TK # 1) Leak Detect - Piping - Non-Discriminating Sump Sensor in submersible and transition sumps

NOTE: Sensors must alarm only

(f) *Corrosion Protection being used:*

Tank: (TK # 1) Corrosion Prot - Tank - Composite Non-Corrosive

Piping: (TK # 1) Corrosion Prot - Piping - Fiberglass Non-Corrosive , (TK # 1) Corrosion Prot - Piping - Flexible Non-Corrosive

(g) *Spill containment devices, piping and dispenser containment devices: (TK # 1) Spill Contain Device - Single Wall Spill Bucket*

(h) *Overfill prevention devices: (TK # 1) Overfill Prev Device - Overfill Drop Tube Valve , (TK # 1) 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** :

TANK:

- (1) 20,000 gallon Elutron brand double wall composite tank (Diesel Fuel).
- (1) 30" manway and (1) 48" sump.

Concrete dead men hold downs, straps & turnbuckles.

OVERSPILL/OVERFILL PREVENTION:

- (1) OPW 5 gallon below-grade level spill containment manhole.
- (1) OPW overfill prevention drop tube.
- (1) OPW fill adapter and cap.

SUMPS:

- (1) 48" fiberglass water-tight piping sump with collar at tank top.
- (2) Fiberglass piping transition sumps at building in system for generators in compound.

PIPING:

- (2) 2" Double wall fiberglass product piping system from tank to transition sumps.
- (2) 2" Omegaflex pipe from last transition sump to building.
- Ameron LCX 3" double wall fiberglass vent piping system.

SUBMERSIBLE MOTOR:

- (2) 1.5 hp submersible supply motors at tank.

LEAK DETECTION:

- (1) Veeder-Root TLS-450+ monitor console.
- (1) Tank level probe.
- (1) Tank interstitial sensor.
- (4) Sump sensors.
- (1) Modbus communications module.
- (1) Overfill alarm and acknowledge button.
- (1) Electronic line leak sensor.

MANHOLES:

- (3) 42" Composite manhole.
- (1) 18" Tank sensor manhole.
- (2) 12" observation well manholes.

(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. 5/16/2024

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File