Office of the Illinois State Fire Marshal
Division of Petroleum and Chemical Safety
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Springfield, IL 62703
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FOR OFFICE USE ONLY
Facility #: 2002557
Permit #: 01010-2026INS
Request Rec'd: 07/01/2026
Approval Date: 08/24/2026 DS
Permit Expires: 02/24/2027

Permit for INSTALLATION of Regulated Underground Storage Tanks and Piping

Permission is hereby granted to install the underground storage tank(s) and associated piping identified below. All installation activities must be conducted in accordance with all applicable sections of 41 Ill. Adm. Code Parts 174, 175, and 176. The permitted contractor must schedule specific dates and times for all required activities through their contractor portal account. Both the electronic testing forms and the Notification for Underground Storage Tank form must be submitted before the final inspection can be scheduled.

THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.

OWNER OF TANKS - Corporation, partnership, or other business entity:	**FACILITY** - name and address where tanks are located:
Village of Northbrook 1225 Cedar Lane Northbrook, IL 60062 Cook County Contact: Daniel Juarez 847/664-4112	Public Works Center 655 Huehl Road Northbrook, IL 60062 Cook County 04-05-304-018-0000 Contact: Paul Risinger 847/664-4112

Tanks on the Permit

Tank #	Product	Capacity	Tank Status	Regulated Status
4	Gasoline - Regular	10,000	Tank Not Installed	Federal
5	Diesel Fuel	10,000	Tank Not Installed	Federal

Tank 4 Equipment

Equipment Type	Permit Equipment	Action
Corrosion Protection - Piping	Flexible Non-Corrosive	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450 Plus	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	New
Overfill Prevention Device	Overfill Drop Tube Valve	New
Piping	Ball Valves	New
Piping	Fiberglass Single Wall Piping Vent	New
Piping	Flexible Double Wall Franklin Fueling Systems UPP	New
Piping	Shear Valves	New
Piping	Single Wall STP/Tanktop Sump	New
↳ Leak Detection - Piping	Sump Sensor with positive shutdown	New
Spill Containment Device	Double Wall Spill Bucket	New
Tank	Fiberglass Double Wall XERXES	New

Tank 5 Equipment

Equipment Type	Permit Equipment	Action
Corrosion Protection - Piping	Flexible Non-Corrosive	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450 Plus	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	New
Overfill Prevention Device	Overfill Drop Tube Valve	New
Piping	Ball Valves	New
Piping	Fiberglass Single Wall Piping Vent	New
Piping	Flexible Double Wall Franklin Fueling Systems UPP	New
Piping	Shear Valves	New
Piping	Single Wall STP/Tanktop Sump	New
↳ Leak Detection - Piping	Sump Sensor with positive shutdown	New
Spill Containment Device	Double Wall Spill Bucket	New
Tank	Fiberglass Double Wall XERXES	New

Dispensers on the Permit

Dispenser	Action
1/2	Replacing - 1/2

Dispenser 1/2 Equipment

Equipment Type	Permit Equipment	Action
Dispenser	Single Wall UDC Sump	Replacing - Dispenser - Single Wall UDC Sump
↳ Leak Detection - Piping	Sump Sensor with positive shutdown	Replacing - Leak Detect - Piping - Sump Sensor with positive shutdown

General Requirements

USTs shall be installed to safeguard against movement by anchoring in accordance with manufacturer's instructions.
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.

Summary of Work

TANKS:
(2) 10,000 gallon 8’ diameter double wall fiberglass tanks.
Concrete dead men hold downs, straps & turnbuckles.

OVERSPILL/OVERFILL PREVENTION:
(2) 5 gallon, double wall below grade overspill containment manhole.
(2) Overfill drop tubes.

SUMPS:
(2) 42" fiberglass water-tight single wall piping sumps at tank tops.
(1) under dispenser sump at islands.

PIPING:
2" Double wall UL approved pipe system – UPP Fusion welded pipe.
Ameron single wall fiberglass vent piping system.

SUBMERSIBLE PUMPS:
(2) FE Petro 3/4 HP submersible pump with Electronic Line Leak Detectors.
(2) Pump Controllers.

MANHOLES:
(2) 12" Observation well manhole.
(2) 42" Composite manholes.
(4) 18" Tank sensor manholes.

ISLAND:
(1) 3’ x 12’ x 13” stainless steel island form w/6” radius ends.
(4) 6” steel bollards concrete filled with yellow plastic sleeve covers.
Required Signage.

LEAK DETECTION:
(1) Veeder-Root TLS-450+ monitor console.
(2) 8’ Tank level probe and float kits for Gas & Diesel.
(2) Tank interstitial sensor.
(1) Dispenser sump sensor.
(2) Tank sump sensors.
(2) Pressurized line leak detector.

DISPENSER & HANGING HARDWARE:
(1) Bennett brand High Hose Dispenser – (2) product, (4) hose.
(2) 1” Diesel hose and nozzle assemblies.
(2) ¾” Unleaded hose and nozzle assemblies.

FUEL MANAGEMENT SYSTEM:
(1) Fuel Master FM Live Fuel Management System.
Web based system.
Start-up & Training included.
First year of subscription included (Wireless Modem and FM Live).

Special Contingencies
NOTE: Vents must meet section 175.440 of our rules

PERSON, FIRM OR COMPANY PERFORMING WORK:	
Crowne Industries, Ltd. 325 W. Highland Avenue Elgin, IL 60123	Contact Person: Robert Sumoski Phone: 630/201-4967 Email: yvonne@crownetank.com Contractor License # IL002345 Exp. 5/16/2028

Sincerely,

Daniel Starks