



Office of the Illinois State Fire Marshal
Division of Petroleum and Chemical Safety
1035 Stevenson Drive
Springfield, IL 62703
217/785-1020
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Extended

FOR OFFICE USE ONLY

Facility #: 2047563
Permit #: 00349-2023INS
Request Rec'd: 03/30/2023
Approval Date: 04/03/2023 DS
Extension Date: 09/27/2023
Permit Expires: 04/03/2024

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 shall establish a date and time certain to perform the UST activity by scheduling the permitted activity through their UST contractor portal account. All testing forms must be submitted prior to the final being conducted. The tank owner must submit a Notification for Underground Storage Tanks form prior to the scheduling of the final schedule at: <https://webapps.sfm.illinois.gov/USTPortal/NotificationForm>.

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

OWNER OF TANKS - Corporation, partnership, or other business entity: Illinois State Tollway Highway Authority 2700 Ogden Avenue Downers Grove, IL 60515 Du Page County Contact: Michael LoPresti 630/241-6800Ext.4841	FACILITY - name and address where tanks are located: ISTHA M5 Maintenance Garage 575 W. Central Road Route 90, MP 64.5 (Central Road) Hoffman Estates, IL 60192 Cook County Contact: Gerry Schauch 847/605-9170
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Tanks on the Permit

Tank #	Product	Capacity	Tank Status	Regulated Status
1	Diesel Fuel	12,000	Installed/Not in Use	Federal
2	Gasoline - Regular	10,000	Installed/Not in Use	Federal
3	E85	10,000	Installed/Not in Use	Federal

Tank 1 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450 Plus with CSLD	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New
Leak Detection - Piping	Sump Sensor with positive shutdown	New
Spill Containment Device	Single Wall Spill Bucket	New
Overfill Prevention Device	Overfill Alarm	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Corrosion Protection - Piping	Fiberglass Non-Corrosive	New
Tank	Fiberglass Double Wall KBK Industries	New
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX	New
Piping	Flex Connector Steel	New
Piping	Single Wall STP/Tanktop Sump	New
Piping	Ball Valves	New
Piping	Shear Valves	New
Leak Detection - Piping	European with No Test Req Suction	New

Tank 2 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450 Plus with CSLD	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New
Leak Detection - Piping	Sump Sensor with positive shutdown	New
Spill Containment Device	Single Wall Spill Bucket	New
Overfill Prevention Device	Overfill Alarm	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Corrosion Protection - Piping	Fiberglass Non-Corrosive	New
Tank	Fiberglass Double Wall KBK Industries	New
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX	New
Piping	Flex Connector Steel	New
Piping	Single Wall STP/Tanktop Sump	New
Piping	Ball Valves	New
Piping	Shear Valves	New
Leak Detection - Piping	European with No Test Req Suction	New

Tank 3 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450 Plus with CSLD	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New
Leak Detection - Piping	Sump Sensor with positive shutdown	New
Spill Containment Device	Single Wall Spill Bucket	New
Overfill Prevention Device	Overfill Alarm	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Corrosion Protection - Piping	Fiberglass Non-Corrosive	New
Tank	Fiberglass Double Wall KBK Industries	New
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX	New
Piping	Flex Connector Steel	New
Piping	Single Wall STP/Tanktop Sump	New
Piping	Ball Valves	New
Piping	Shear Valves	New
Leak Detection - Piping	European with No Test Req Suction	New

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:

(1) 12,000 gallon 10' dia. Xerxes brand double wall fiberglass tank.

(1) 20,000 gallon 10' dia. split 10/10 Xerxes brand double wall fiberglass tank.

Concrete dead men.

OVERSPILL/OVERFILL PREVENTION:

- (3) 5 gallon, grade level overspill containment manholes.
- (3) OPW straight drop tubes.
- (3) OPW Fill adapters and caps.
- (2) Vapor adapters and caps.

SUMPS:

- (4) 42" fiberglass water-tight piping sumps with collar at tank tops.
- (2) Tank sumps on Diesel tank (1 filter supply, 1 filter return)
- (3) Bravo dispenser sumps at islands

PIPING:

- Ameron LCX brand 2" fiberglass double wall product piping system.
- Ameron 2" single wall fiberglass vent piping system.

SUBMERSIBLE PUMPS:

- (2) Red-Jacket 1.5 HP submersible pumps with Electronic Line Leak Detector.
- (1) Red-Jacket Alcohol compatible (E-85) 1.5 HP submersible pump with Electronic Line Leak Detector.
- (3) Red-Jacket Pump Controllers

LEAK DETECTION:

- Veeder-Root TLS-450+ tank monitor console.
- (3) 10' Tank level probes.
- (2) Hydrostatic tank interstitial sensor.
- (3) Dispenser sump sensors.
- (5) Tank sump sensors.
- (3) Pressurized line leak detectors.

DISPENSERS:

- (1) New E85/Reg Gasoline, Remote Dispenser, Island-Oriented
Enhanced Capacity, Two iMeters, Internal Filter, Pulse Output
Interface, Hose Mast, Stainless Steel Lower Cabinet and
Doors, Black Top
- (1) New Diesel Remote Dispenser, Island-Oriented
Enhanced Capacity, Internal Filter, Pulse Output
Interface, Hose Mast, Stainless Steel Lower Cabinet and
Doors, Black Top

MANHOLES:

- (2) 12" Observation well manhole.
- (3) 42" Fibrelite Composite manholes.
- (2) 36" Fibrelite Composite manholes.
- (3) 18" Fibrelite Composite manholes.
- (3) 18" steel manholes.
- (5) 12" Manhole.

ISLAND FORM:

- (1) 36' 6" x 6' x 13" stainless steel island form.
- (2) Galvanized steel U shape pipe guards for island crash protection.

DIESEL FUEL RECIRCULATION SYSTEM:

- Furnish and install Mdl FRS 11 11 GPM fuel purifier

Special Contingencies

TANKS:

- (1) 12,000 gallon 10' dia. Xerxes brand double wall fiberglass tank.
- (1) 20,000 gallon 10' dia. split 10/10 Xerxes brand double wall fiberglass tank.
- Concrete dead men.

OVERSPILL/OVERFILL PREVENTION:

- (3) 5 gallon, grade level overspill containment manholes.
- (3) OPW straight drop tubes.
- (3) OPW Fill adapters and caps.
- (2) Vapor adapters and caps.

SUMPS:

- (4) 42" fiberglass water-tight piping sumps with collar at tank tops.
- (2) Tank sumps on Diesel tank (1 filter supply, 1 filter return)
- (3) Bravo dispenser sumps at islands

PIPING:

- Ameron LCX brand 2" fiberglass double wall product piping system.
- Ameron 2" single wall fiberglass vent piping system.

SUBMERSIBLE PUMPS:

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LEAK DETECTION:

- Veeder-Root TLS-450+ tank monitor console.
- (3) 10' Tank level probes.
- (2) Hydrostatic tank interstitial sensor.
- (3) Dispenser sump sensors.
- (5) Tank sump sensors.
- (3) Pressurized line leak detectors.

DISPENSERS:

- (1) New E85/Reg Gasoline, Remote Dispenser, Island-Oriented
Enhanced Capacity, Two iMeters, Internal Filter, Pulse Output
Interface, Hose Mast, Stainless Steel Lower Cabinet and
Doors, Black Top
- (1) New Diesel Remote Dispenser, Island-Oriented
Enhanced Capacity, Internal Filter, Pulse Output
Interface, Hose Mast, Stainless Steel Lower Cabinet and
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MANHOLES:

- (2) 12" Observation well manhole.
- (3) 42" Fibrelite Composite manholes.
- (2) 36" Fibrelite Composite manholes.
- (3) 18" Fibrelite Composite manholes.
- (3) 18" steel manholes.
- (5) 12" Manhole.

ISLAND FORM:

- (1) 36' 6" x 6' x 13" stainless steel island form.
- (2) Galvanized steel U shape pipe guards for island crash protection.

DIESEL FUEL RECIRCULATION SYSTEM:

Furnish and install Mdl FRS 11 11 GPM fuel purifier

NOTES: Dispensers must be a full 10' from all buildings and property lines. A motor fuel dispensing permit must be applied for asap

PERSON, FIRM OR COMPANY PERFORMING WORK:

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

Contact Person: Robert Sumoski
Phone:
Email:
Contractor License # IL002345 Exp. 5/16/2024

Sincerely,



Daniel Starks