



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 # 2047563  
Permit # 00349-2023INS  
Request Rec'd 03/30/2023  
Amended Date  
Approval Date 4/3/2023 DS  
Permit Expires 10/3/2023

**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.**

<b>(1) OWNER OF TANKS</b> - Corporation, partnership, or other business entity:  Illinois State Tollway Highway Authority 2700 Ogden Avenue Downers Grove, IL 60515  Contact: Manar Nashif (630) 241-6800 Ext. 4841	<b>(2) FACILITY</b> - 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  Contact: Gery Schauch (847) 605-9170
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**(3) INSTALLATION OF TANKS:**

- (a) *Number and size of tanks being installed: (TK # 1) - 12,000, (TK # 2, 3) - 10,000*
- (b) *Type of tank(s): (TK # 1, 2, 3) Tank - Fiberglass Double Wall KBK Industries*
- (c) *Type of piping: (TK # 1, 2, 3) Piping - Fiberglass Double Wall Ameron Dualoy 3000/LCX from tanks to dispensers as shown in site plan, (TK # 1, 2, 3) Piping - Ball Valves, (TK # 1, 2, 3) Piping - Shear Valves, (TK # 1, 2, 3) Piping - Flex Connector Steel, (TK # 1, 2, 3) Piping - Single Wall STP/Tanktop Sump*
- (d) *Product to be stored in each tank: (TK # 1) - Diesel Fuel, (TK # 2) - Gasoline - Regular, (TK # 3) - E-85*
- (e) *Type of leak detection being used:*
  - Tank: (TK # 1, 2, 3) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 450 Plus with CSLD, (TK # 1, 2, 3) Leak Detect - Tank - Non-Discriminating Interstitial Monitoring Sensors*
  - Piping: (TK # 1, 2, 3) Leak Detect - Piping - Electronic Pressurized Line Leak Detection, (TK # 1, 2, 3) Leak Detect - Piping - European with No Test Req Suction for filtration system only, (TK # 1, 2, 3) Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown in all submersible and dispenser sumps*
- (f) *Corrosion Protection being used:*
  - Tank: (TK # 1, 2, 3) Corrosion Prot - Tank - Fiberglass Non-Corrosive*
  - Piping: (TK # 1, 2, 3) Corrosion Prot - Piping - Fiberglass Non-Corrosive*
- (g) *Spill containment devices, piping and dispenser containment devices: (TK # 1, 2, 3) Spill Contain Device - Single Wall Spill Bucket*
- (h) *Overfill prevention devices: (TK # 1, 2, 3) 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](http://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:

- (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

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

**(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