



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
Division of Petroleum and Chemical Safety
1035 Stevenson Drive
Springfield, Illinois 62703-4259
(217)785-1020

FOR OFFICE USE ONLY

Facility # 2-020562
Permit # 00265-2014INS
Request Rec'd 04/01/2014
Amended Date
Approval Date 4/2/2014 JC
Permit Expires 10/2/2014

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: St. Charles BP 1446 Franklin Ave. River Forest, IL 60305 Contact: Eugene Anandappa	(2) FACILITY - name and address where tanks are located: St. Charles BP 1745 E. Main Street St. Charles, Kane Co., IL Contact: Garroth Shoemake (630) 513-7292
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(3) INSTALLATION OF TANKS:

- (a) **Number and size of tanks being installed:** (TK # 5) - 12,000 gallons, (TK # 6) - 6,000 gallons, (TK # 7) - 8,000 gallons, (TK # 8) - 4,000 gallons
- (b) **Type of tanks:** (TK # 5, 6) - (Installing) Fiberglass Double Wall Containment Solutions, (TK # 7, 8) - (Installing) Fiberglass Double Wall XERXES
- (c) **Type of piping:** (TK # 5, 6, 7, 8) - (Installing) Submersible Sumps containment FRP, (TK # 5, 6, 7) - (Installing) Transition Sumps (total of two) FRP fiberglass to accommodate connecting the new short sections of piping from the submersibles to the existing single wall piping, (TK # 5, 6, 7, 8) - (Installing) Fiberglass Double Wall Ameron Dualoy 3000/LCX (this piping will be for the entire piping length for tank #8, and for the short sections from the submersible pumps of tanks 5,6,7 to the transition sumps where the new short sections of double wall piping will connect to the existing single wall piping).
- (d) **Product to be stored in each tank:** (TK # 5, 7) - Gasoline, (TK # 6) - Diesel Fuel, (TK # 8) - E-85
- (e) **Type of leak detection being used:**
Tank: (TK # 5, 6, 7, 8) - (Installing) Interstitial Monitoring Veeder Root TLS 350 Plus, (TK # 5, 6, 7, 8) - (Installing) Automatic Tank Gauging Veeder Root TLS 350 Plus (this is an existing ATG console, probes, and printer from previous tanks 1,2,3,4 that will be used for inventory purposes only).
Piping: (TK # 5, 7) - (Installing) Mechanical Pressurized Line Leak Detection FE Petro STP-MLD, (TK # 5, 6, 7, 8) - (Installing) Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 350 Plus at all submersible sumps, at each transition sump, and at the E-85 (tank #8) dispenser sump only., (TK # 6) - (Installing) Mechanical Pressurized Line Leak Detection FE Petro STP-MLD-D, (TK # 8) - (Installing) Mechanical Pressurized Line Leak Detection FE Petro STP-MLD-E
- (f) **Corrosion Protection being used:**
Tank: (TK # 5, 6, 7, 8) - (Installing) Fiberglass Non-Corrosive
Piping: (TK # 5, 6, 7, 8) - (Installing) Fiberglass Non-Corrosive
- (g) **Spill containment devices, piping and dispenser containment devices:** (TK # 5, 6, 7, 8) - (Installing) Manhole Pre-manufactured EBW 705
- (h) **Overfill prevention devices:** (TK # 5, 7) - (Installing) Overfill Drop Tube Valve OPW 71SOC, (TK # 6) - (Installing) Overfill Drop Tube Valve OPW 61SO, (TK # 8) - (Installing) Overfill Drop Tube Valve EBW 708 Auto Limiter II

- (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:** See permit #00264-2014REM for further information regarding this job. The contractor will be connecting these tanks to the existing piping originally used with tanks 1,2,3,4. The contractor will be installing less than 20' sections from the submersibles of tanks 5,6,7 to connect to the existing product piping via two new transition sumps (tank #8 will be an entirely new piping run installation). Strict adherence to section 175.410 and 175.420(b) will apply. The underground storage tank system for tank #8 must be compatible with E-85, as indicated in section 175.415 of Title 41 of the Illinois Administrative Code, and as indicated in the U.S. EPA Federal Register vol.76, no.128, July 5th 2011 notices regarding the storage and dispensing of alternative fuels.

(7) PERSON, FIRM OR COMPANY PERFORMING WORK:

Metro Environmental Contractors, Inc. dba Metro Tank & Pump
Company
1111 West Dundee Road
Wheeling, IL 60090-3906

Contact Person: Larry Cherner
Phone: (847) 465-4000

Contractor Registration # IL-102 Exp. 02/07/2016

Sincerely,



Jim Coffey

cc: Storage Tank Safety Specialist -
Fire Department -
Division File
(Rev. - 9/10)