



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 # 7-021610
Permit # 01020-2014INS
Request Rec'd 10/22/2014
Amended Date
Approval Date 11/10/2014 JC
Permit Expires 5/11/2015

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: Knapp Oil Company, Inc. 220 Front St., P.O. Box 215 Xenia, IL 62899 Contact: Rick Forth (618) 678-2211	(2) FACILITY - name and address where tanks are located: Metropolis Gas For Less 1117 East 5th Street Metropolis, Massac Co., IL Contact: Jim Brindley (618) 524-7210
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(3) INSTALLATION OF TANKS:

- (a) **Number and size of tanks being installed:** One compartment tank consisting of the following two: (TK # 7) - 12,000 gallons, (TK # 8) - 4,000 gallons
- (b) **Type of tanks:** (TK # 7, 8) - (Installing) Composite Double Wall Glasteel II
- (c) **Type of piping:** (TK # 7, 8) - (Installing) partial Flexible Double Wall A.P.T. Poly Tech P175SC from the submersibles to a transition sump where the new piping will connect to the existing piping leading to the existing dispensers (the contractor has stated the new sections of piping will be less than 20' and less than 50% of each piping run , (TK # 7, 8) - (Installing) Transition Sump FRP fiberglass to connect the new piping with the existing piping from the old tank system , (TK # 7, 8) - (Installing) Submersible Sumps containment FRP
- (d) **Product to be stored in each tank:** (TK # 7) - Gasoline, (TK # 8) - E-85
- (e) **Type of leak detection being used:**
Tank: (TK # 7, 8) - (Installing) Automatic Tank Gauging Veeder Root TLS 450 , (TK # 7, 8) - (Installing) Interstitial Monitoring Veeder Root TLS 450
Piping: (TK # 7, 8) - (Installing) Electronic Pressurized Line Leak Detection Veeder Root TLS 450 , (TK # 7, 8) - (Installing) Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 450 at the submersible sumps and at the transition sump only.
- (f) **Corrosion Protection being used:**
Tank: (TK # 7, 8) - (Installing) non-corrosive fiberglass
Piping: (TK # 7, 8) - (Installing) partial non-corrosive flexible
- (g) **Spill containment devices, piping and dispenser containment devices:** (TK # 7, 8) - (Installing) Manhole Pre-manufactured OPW 1-2100-DEVR
- (h) **Overfill prevention devices:** (TK # 7, 8) - (Installing) Overfill Drop Tube Valve OPW 71-SO 4010 Overfill drop tube to include a 3" fiberglass droptube for the E-85 tank.

- (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:** 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:

Robert Ellis & Sons
1703 North 7th Street
Murphysboro, IL 62966

Contact Person: Bob Ellis

Phone: (618) 713-0765

Contractor Registration # IL-980 Exp. 03/23/2016

Sincerely,

A handwritten signature in cursive script, reading "Jim Coffey", is written over a horizontal line.

Jim Coffey

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