



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL  
Division of Technical Services  
1035 Stevenson Drive  
Springfield, Illinois 62703-4259  
(217)524-7605

FOR OFFICE USE ONLY  
Facility # 2-044901  
Permit # 00328-2011INS  
Request Rec'd 04/19/2011  
Amended Date  
Approval Date 4/19/2011 JC  
Permit Expires 10/19/2011

**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:  Love's Travel Stops & Country Stores, Inc. P.O. Box 26210 Oklahoma City, OK 73126  Contact: Michael Key (405) 302-6640	<b>(2) FACILITY</b> - name and address where tanks are located:  Love's Travel Stop #292 12 W. Northbrook Drive Dwight, Grundy Co., IL  Contact:
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**(3) INSTALLATION OF TANKS:**

- (a) **Number and size of tanks being installed:** One compartment tank consisting of tank # 1 and tank #2. (TK # 1, 8) - 8,000 gallons each, (TK # 2) - 12,000 gallons, (TK # 3, 4, 5, 6, 7) - 20,000 gallons each.
- (b) **Type of tanks:** (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Fiberglass Double Wall XERXES
- (c) **Type of piping:** (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Fiberglass Double Wall Ameron Dualoy 3000/LCX - **(The siphon line between gas tanks 1 & 2 will be 2", and the siphon line between the diesel tanks 4,5,6 will be 3"). (The piping from the diesel tank sumps #4 and #6 to the diesel manifold sump will be 3" primary with 4" secondary). The remainder of all other product piping for the station will be 2". There will be 2" pressurized piping sections from the submersible of the B-99 tank #7 that will flow to the three flow meters (separately) for tanks 4,5,6. Then from the flow meters, the product piping will be piped into the fill line of the diesel tanks - this biodiesel will therefore be injected into the fill line when the tank (4,5,6) is being filled with diesel fuel. This pressurized line from tank #7 is therefore considered a remote fill line for tanks 4,5,6 and must abide by the sections referred to in the contingencies section of this permit concerning factory manufactured spill containment for the junction of the pressurized piping and the fill tubes that must also include interstitial sensors in these fill sumps.**
- (d) **Product to be stored in each tank:** (TK # 1, 2, 3) - Gasoline, (TK # 4, 5, 6) - Diesel Fuel, (TK # 7) - B-99, (TK # 8) - Diesel Exhaust Fluid
- (e) **Type of leak detection being used:**  
**Tank:** (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Interstitial Monitoring Veeder Root TLS 350 Plus, (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Automatic Tank Gauging Veeder Root TLS 350 Plus  
**Piping:** (TK # 1, 3, 4, 6, 7, 8) - (Installing) Electronic Pressurized Line Leak Detection Veeder Root TLS 350 Plus (tanks 2 and 5 will not have a submersible pump due to being slave tanks with a siphon bar attached to other tanks - see contingencies section), (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 350 Plus at all submersible sumps / tank sumps, all dispenser sumps, at the fill sumps for tanks 4,5 and 6, at the flow meter sumps for tanks 4,5 and 6, and at the diesel piping manifold sump which is located just outside the tank field area for tank #8 - see contingencies section and site plan.
- (f) **Corrosion Protection being used:**  
**Tank:** (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Fiberglass Non-Corrosive  
**Piping:** (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Fiberglass Non-Corrosive
- (g) **Spill containment devices, piping and dispenser containment devices:**
- (h) **Overfill prevention devices:**
- (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:**

(7) <b><u>PERSON, FIRM OR COMPANY PERFORMING WORK:</u></b>	Contact Person: Chris Epkins
	Phone:
	Contractor Registration #    Exp.

Sincerely,



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