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 # 6-045582
Permit # 00321-2014INS
Request Rec'd 04/15/2014
Amended Date
Approval Date 4/15/2014 DS
Permit Expires 10/15/2014

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:	**(2) FACILITY** - name and address where tanks are located:
Love's Travel Stops & Country Stores, Inc. 10601 North Pennsylvania Avenue Oklahoma City, OK 73120 Contact: Michael Franklin (405) 302-6640	Love's Travel Stop #578 9191 State Route 140 Hamel, Madison Co., IL Contact:

(3) INSTALLATION OF TANKS:

(a) Number and size of tanks being installed: (TK # 1) - 8,000 gallons, (TK # 2, 8) - 12,000 gallons, (TK # 3, 4, 5, 6, 7) - 20,000 gallons

(b) Type of tanks: (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Fiberglass Double Wall Containment Solutions

(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 tanks 1 & 3 will be 2", and the siphon line between Diesel tanks 4,5,6 will be 3"). (the piping from the diesel tank sumps #4 & #6 to the diesel manifold sump will be 3" primary with 4" secondary.) The remainder of all other product piping for this station will be 2". There will be 2" pressurized piping sections from tank #7 (B-99) that will flow to the three flow meters (seperately) for tanks 4,5,6 then from the flow meters the piping will be piped into the fill line of the diesel tanks - this biodiesel will therefore be injected into the line when the diesel tanks are being filled with product. The pressurized piping 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 the 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 (Non-Regulated)

(e) Type of leak detection being used:

Tank: (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Interstitial Monitoring Veeder Root TLS 350, (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Automatic Tank Gauging Veeder Root TLS 350 with Mag Plus Probes for inventory control

Piping: (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Electronic Pressurized Line Leak Detection Veeder Root TLS 350 **(tanks 1 and 5 will not have a submersible pump due to being slave tanks with a siphon bar attatched to the other tanks)**, (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 350 at all submersible/tank sumps, all dispenser sumps, at the fill sumps for tanks 4,5,6 and at the flow meter sumps for tanks 4,5,6 as well as at the diesel piping manifold sump which is located just outside the tank field - 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: (TK # 1, 2, 3, 7) - (Installing) Manhole Pre-manufactured EBW 400 CS , (TK # 4, 5, 6, 8) - (Installing) Field Constructed containment sumps with a permanent connection to the tanks, see site drawing pertaining to tank top containment sumps

(h) Overfill prevention devices: (TK # 1, 2, 3, 4, 5, 6, 7, 8) - (Installing) Overfill Alarm Veeder Root TLS 350

(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 lease 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**: **All sewer lines within 20' of the tanks and piping will be at a higher elevation than the tanks and piping. Refer to section 175.405 (spill containment and overfill prevention), section 175.410 (containment sumps), and section 175.445 (fill pipes/remote fills) for further guidance on the fill ports/fill trough for the diesel tanks 4,5,&6. The tops of the tanks being siphoned together (tanks 1 to 3) and (tanks 4,5,&6) must be withing 6" elevation of each other. Before the future siphon bar can be put into use, a written request must be recieved by this office from the owner/contractor, with subsequent approval from this office (at present, this siphon bar will not be put into use, it is for possible future use only. At present both ends wof this siphon bar will be capped at both ends).**

(7) **PERSON, FIRM OR COMPANY PERFORMING WORK**:

Illinois Oil Marketing Equipment, Inc.
850 Brenkman Drive
Pekin, IL 61554

Contact Person: Chris Epkins
Phone: (309) 347-1819

Contractor Registration # IL-1293 Exp. 02/04/2016

Sincerely,

Daniel Starks

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