



**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 # 7-045691  
Permit # 00819-2014INS  
Request Rec'd 09/02/2014  
Amended Date  
Approval Date 9/3/2014 JC  
Permit Expires 3/3/2015

**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.**

<b>(1) OWNER OF TANKS</b> - Corporation, partnership, or other business entity:  Road Ranger, LLC P.O. Box 4745, Rockford, IL 61110  Contact: Hope Collins (815) 387-1700	<b>(2) FACILITY</b> - name and address where tanks are located:  Road Ranger Travel Center IL Rt. 1 & I-64 Grayville, Edwards Co., IL  Contact:
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**(3) INSTALLATION OF TANKS:**

- (a) Number and size of tanks being installed:** (TK # 1, 6) - 12,000 gallons, (TK # 2, 3, 4, 5) - 20,000 gallons
- (b) Type of tanks:** (TK # 1, 2, 3, 4, 5, 6) - (Installing) Fiberglass Double Wall XERXES
- (c) Type of piping:** (TK # 1, 2, 3, 4, 5, 6) - (Installing) Dispenser Sumps containment FRP, (TK # 1, 2, 3, 4, 5, 6) - (Installing) Submersible Sumps containment FRP (there will be two submersible pumps at tanks 4 & 5), (TK # 1, 2) - (Installing) Flexible Double Wall A.P.T. Poly Tech P175SC from tanks to dispensers. , (TK # 3, 4, 5) - (Installing) Transition Sump FRP fiberglass for the bio-diesel blending pump and at a location just outside of the blending shed for bio-diesel / diesel distribution from tanks 3,4,5. , (TK # 3, 4, 5, 6) - (Installing) Fiberglass Double Wall Ameron Dualoy 3000/LCX from tank #6 to the seven truck DEF dispenser islands, and from tanks 3,4,5 to the blending shed, then to the transition sump located just outside the blending shed, then from that transition sump to the seven diesel truck islands and to the two diesel car islands. There will also be a siphon bar between tanks 4 & 5. Further, the piping from tanks 4 & 5 will be manifolded together, and manifolded with the other two submerible pumps for those two tanks (there are two submersible sumps for each for tanks 4 & 5). There is also another line from tank #4 manifolded to the piping coming from tank #3 (there will be ball valves used to allow for alternate submersible pump use for tank 3,4,5 if, and when it is necessary)
- (d) Product to be stored in each tank:** (TK # 1, 2) - Gasoline, (TK # 3) - Bio-Diesel, (TK # 4, 5) - Diesel Fuel, (TK # 6) - Diesel Exhaust Fluid (Non-Regulated)
- (e) Type of leak detection being used:**
  - Tank:** (TK # 1, 2, 3, 4, 5, 6) - (Installing) Automatic Tank Gauging Veeder Root TLS 450 , (TK # 1, 2, 3, 4, 5, 6) - (Installing) Interstitial Monitoring Veeder Root TLS 450 , (TK # 4, 5) - (Installing) SIR and Prec Tightness Testing Warren Rogers Assoc. Petro Network S3 Version D
  - Piping:** (TK # 1, 2) - (Installing) Mechanical Pressurized Line Leak Detection FE Petro STP-MLD , (TK # 1, 2, 3, 4, 5, 6) - (Installing) Piping Sump Sensors Interstitial Monitoring Veeder Root TLS 450 at all submersible sumps, all dispenser sumps, at the blending shed sump, and at the transition sump located just outside of the blending shed., (TK # 3) - (Installing) European with No Test Req Suction , (TK # 4, 5) - (Installing) Mechanical Pressurized Line Leak Detection FE Petro STP-MLD-HCD
- (f) Corrosion Protection being used:**
  - Tank:** (TK # 1, 2, 3, 4, 5, 6) - (Installing) Fiberglass Non-Corrosive
  - Piping:** (TK # 1, 2) - (Installing) Flexible Non-Corrosive , (TK # 3, 4, 5, 6) - (Installing) Fiberglass Non-Corrosive
- (g) Spill containment devices, piping and dispenser containment devices:** (TK # 1, 2, 3, 4, 5) - (Installing) Manhole Pre-manufactured OPW 1C-3112D.
- (h) Overfill prevention devices:** (TK # 1, 2, 3, 4, 5, 6) - (Installing) Overfill Alarm Veeder Root TLS 450 , (TK # 1, 2, 3, 4, 5) - (Installing) Overfill Drop Tube Valve OPW 71SO

**(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:** The tops of the tanks being siphoned together (tanks 4 & 5) must be within 6" elevation of each other. Facilities with Warren Rogers PetroNetwork S3 (Version D) (Continual Reconciliation) tank leak detection systems (tanks 4 & 5) must comply with the following contingencies: (1) OSFM permits must be submitted to install the Warren Rogers software and/or automatic tank gauges in all situations, and (2) Single wall tanks and double wall tanks, not using an interstitial monitoring system, must have an ATG or another approved method of tank detection that is operating in full compliance with its third party evaluation, and (3) Single wall tanks and double wall tanks, not using an interstitial monitoring system, that have a monthly throughput that exceeds the maximum allowable ATG throughput, at any time, must use the WR PetroNetwork S3 Version D system in full compliance with conditions listed in the NWGLDE evaluation. For those tanks, the WR S3 system is considered the primary method of tank leak detection and an annual precision tank tightness test is mandatory. The precision tank tightness test is required to be performed within 30 days of throughput exceeding the ATG maximum limit. A positive shut off valve shall be installed on the product line at the submersible or at the tank for all suction systems, and made accessible at grade. A letter of waiver has been recieved from I.D.O.T. allowing the dispensers to be within 20' of the right of way.

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

Hinderliter Construction & Maint., Inc.  
3601 North St. Joseph Avenue  
Evansville, IN 47720

Contact Person: Mark Hinderliter

Phone: (812) 425-4137

Contractor Registration # IL-646 Exp. 04/02/2016

Sincerely,



Jim Coffey

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