



Office of the Illinois State Fire Marshal
Division of Petroleum and Chemical Safety
1035 Stevenson Drive
Springfield, IL 62703
2177851020

FOR OFFICE USE ONLY

Facility # 1046762
Permit # 01172-2019INS
Request Rec'd 06/19/2019
Amended Date
Approval Date 6/19/2019 DS
Permit Expires 12/19/2019

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.**

<p>(1) OWNER OF TANKS - Corporation, partnership, or other business entity:</p> <p>REG Construction and Technology Group, LLC. 416 South Bell Ave Ames, IA 50010 Contact: Travis Regan (515) 239-8000</p>	<p>(2) FACILITY - name and address where tanks are located:</p> <p>REG Renewal Fuels and Biodiesel 614 East Shipyard Road Seneca, IL 61360 Contact: Travis Regan (515) 239-8000</p>
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(3) INSTALLATION OF TANKS:

- (a) *Number and size of tanks being installed: (TK # 1) - 20,000, (TK # 2) - 15,000, (TK # 3) - 5,000*
- (b) *Type of tank(s): (TK # 1, 2, 3) Tank - Composite Double Wall Permatank*
- (c) *Type of piping: (TK # 1, 2, 3) Piping - Fiberglass Single Wall Piping Ameron Dualoy 3000L single wall fiberglass piping for vent piping, (TK # 1, 2, 3) Piping - Flexible Double Wall OPW Flexworks from tanks to blending shed to dispensers and shown in site drawing, (TK # 1, 2, 3) Piping - Other submersible pump, (TK # 1, 2, 3) Piping - Ball Valves, (TK # 1, 2, 3) Piping - Extractor Fitting Valves, (TK # 1, 2, 3) Piping - Positive Shutoff Valves, (TK # 1, 2, 3) Piping - Shear Valves, (TK # 1, 2, 3) Piping - Flex Connector Steel, (TK # 1, 2, 3) Piping - Single Wall STP/Tanktop Sump OPW Flexworks Poly Sump*
- (d) *Product to be stored in each tank: (TK # 1) - Diesel Fuel, (TK # 2) - B-99, (TK # 3) - Diesel Exhaust Fluid (Non-Regulated)*
- (e) *Type of leak detection being used:*
 - Tank: (TK # 1, 2, 3) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 450 Plus with CSLD, (TK # 1, 2, 3) Leak Detect - Tank - Hydrostatic Reservoir Sensors Interstitial Monitoring Veeder Root TLS 450 Plus Interstitial tank sensor*
 - Piping: (TK # 1, 2, 3) Leak Detect - Piping - Electronic Pressurized Line Leak Detection Veeder Root TLS 450 Plus 8590 DPLLD, (TK # 1, 2, 3) Leak Detect - Piping - Non-Discriminating Sump Sensor Interstitial Monitoring OPW in all submersible, blending and dispenser sumps. NOTE: Sensors must shut down the submersible pump supplying that line upon detection of a leak per 175.640 a) 1)*
- (f) *Corrosion Protection being used:*
 - Tank: (TK # 1, 2, 3) Corrosion Prot - Tank - Composite Non-Corrosive*
 - Piping: (TK # 1, 2, 3) Corrosion Prot - Piping - Isolation Boots Flex Connector, (TK # 1, 2, 3) Corrosion Prot - Piping - Flexible Non-Corrosive*
- (g) *Spill containment devices, piping and dispenser containment devices: (TK # 1, 2, 3) Spill Contain Device - Double Wall Spill Bucket OPW IC-3132D Edge*
- (h) *Overfill prevention devices: (TK # 1, 2, 3) Overfill Prev Device - Overfill Drop Tube Valve OPW 71SO, (TK # 1, 2, 3) Overfill Prev Device - Overfill Alarm Veeder Root TLS 450plus*

(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 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 Acterra Group, Inc. will be installing (1) 20,000 gallon Permatank Double Wall ust diesel and (1) 20,000 gallon Permatank Double wall split compartment ust for bio-fuel and DEF. The tank's will be shop fabricated in Acterra's manufacturing plant, located in Marion, Iowa. A concrete ballast pad will be poured on top of these tanks. Acterra will be excavating an OSHA approved tank hole and will backfill the entire excavation with 3/4" washed rock chips. We will be installing a 100' x 20' x 12" stone driveway for the entire entrance and exits to this fueling facility. Acterra will be installing a new Veeder Root TLS-450 plus tank monitoring system to monitor the product levels in the tanks, give high-level alarms, monitor the monitoring wells, monitor the tank sumps and monitor the dispenser sumps. Acterra will be installing a Fuelmaster wireless fuel management system that accepts local and credit cards. The communications will be done wirelessly to REG's nearest building. All transactions will be monitored remotely from Ames, Iowa. Acterra will be installing an OPW double wall flexible piping from the tanks to the dispensers and will be installing fiberglass single wall vent lines. Acterra will be doing all of the electrical wiring for this new installation which includes wiring the submersible pumps, dispensers, fuel management system, tank monitoring system, canopy lighting, price signs and security cameras. The emergency stop button will be located more than 20' from the dispensers but not further than 100' feet from the dispensers. Acterra will provide site lighting to illuminate the tank fueling area. Acterra will be providing all of the local and state permitting that is required for this installation.

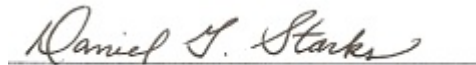
Updated Compatibility Checklist for Blended Fuels Updated Compatibility Checklist for Blended Fuels

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Acterra Group, Inc.
200 35th Street
Marion, IA 52302

Contact Person: Tad Cooper
Phone: (319) 377-6357 Ext. 128
Contractor Registration # IL612 Exp. 10/23/2020

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File