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

Amended

FOR OFFICE USE ONLY
Facility # 6008692
Permit # 00191-2018UPG
Request Rec'd 02/16/2018
Amended Date 04/18/2018 DS
Approval Date 2/20/2018 DS
Permit Expires 8/21/2018

Permit for UPGRADE or REPAIR of Underground Storage Tank(s) and Piping for Petroleum and Hazardous Substances.

Permission to upgrade or repair underground storage tank(s) or piping is hereby granted. Such upgrade or repair 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 underground piping upgrade, leak detection, spill and overfill prevention of underground storage tank(s) to the Office of the State Fire Marshal, Division of Petroleum and Chemical Safety.

(1) **OWNER OF TANKS** - Corporation, partnership, or other business entity:	(2) **FACILITY** - name and address where tanks are located:
Bi State Development / Metro 211 N. Broadway, Suite 700 Saint Louis, MO 63102 Contact: Marvin Dixon (314) 575-5716	IL Metro Bus Garage 801 N. 47th Street East St. Louis, IL 62205 Contact: Mike Litle (618) 799-8639

(3) UPGRADE OR REPAIR OF TANKS:

(a) Number and size of tanks being upgraded or repaired: (TK # 4, 5, 6) - 20,000

(b) Type of tanks:

(c) Type of piping: (TK # 4, 5, 6) Piping - Fiberglass Single Wall Piping Ameron Dualoy 3000L single wall fiberglass piping, (TK # 4, 5, 6) Piping - Valves Ball Valve, (TK # 4, 5, 6) Piping - Submersible Sumps OPW Fiberglass Single Wall

(d) Product to be stored in each tank: (TK # 4, 5, 6) - Diesel Fuel

(e) Type of leak detection being used:

Tank: (TK # 4, 5, 6) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 450 Plus with CSLD

Piping: (TK # 4, 5, 6) Leak Detect - Piping - Electronic Pressurized Line Leak Detection Veeder Root TLS 450 Plus , (TK # 4, 5, 5, 6, 6) Leak Detect - Piping - Electronic Pressurized Line Leak Detection Veeder Root TLS 450 Plus 8590 DPLLD

(f) Corrosion Protection being used:

Tank:

Piping:

(g) Spill containment devices, piping, and dispenser containmnt devices:

(h) Overfill prevention devices:

(i) Manway accessible at grade:

(4) The owner must notify this Office when completion of tank upgrade/repair has occurred, on the Notification for Underground Storage Tank Form and the licensed contractor must submit the required job schedule for underground piping upgrade, leak detection, spill and overfill prevention 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) SPECIAL CONTINGENCIES :

Excavate as required to remove the existing siphon bridge between tanks 4,5,and 6

Per Veeder Root technical group. We need to modify the original planned solenoid valve and DPLLD layout. We must remove two of the three solenoid valves in the filtration room where the underground piping transitions to above ground piping, relocate one solenoid valve to a point ahead of the filration housing inlet, and manifold all three product lines together. Remove two of the three DPLLD's from two STP's and plug, replace the standard STP check valves in those two units with high pressure check valves to prevent any backflow. Reprogram the

TLS450 so the remaining one DPLLD will see all three lines as one line.

email from Veeder Root Technical Support for reference

Hi Dave,

Thanks for speaking with us yesterday. Based on the past emails and our conversation, the only way the TLS will be able to control the level of the tanks, is to manifold all the lines together and use PLLD to select which STP runs.

- This will require a single solenoid valve at the end of the line before the filter system and disabling or removing the other solenoid valves. This solenoid can only open when a hook signal is present and will be closed during the line test.
- De-program 2 of the PLLD lines and set up a 3-tank line manifold in the TLS.
- A high-pressure check valve (PN 410153-002) must be installed in the 2 pumps that are not assigned to the PLLD Line.
- You can program the line to Alternate tanks or run them down one at a time in the PLLD Setup.

Let me know if you have any other questions on this.

Thanks,

Ted

Ted Ostrowski | Veeder-Root Technical Support

tostrowski@veeder.com | 1-860-651-2887

Tech Support 1-800-323-1799

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Superior Acquisition LLC d/b/a Superior Equipment Company
7525-A Sussex
St. Louis, MO 63143

Contact Person: Larry Scheller
Phone: (314) 644-6000
Contractor Registration # IL002394 Exp. 2/26/2019

Sincerely,

Daniel Starks

cc: Storage Tank Safety Specialist
Division File