



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

Revised

FOR OFFICE USE ONLY

Facility # 2044749
Permit # 00858-2019UPG
Request Rec'd 04/30/2019
Amended Date
Approval Date 5/1/2019 DS
Permit Expires 11/1/2019

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.

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| <p>(1) <u>OWNER OF TANKS</u> - Corporation, partnership, or other business entity:</p> <p>Costco Wholesale Corporation P.O. Box 35005 Seattle, WA 98124</p> <p>Contact: Jay S.Grubb (206) 313-8100</p> | <p>(2) <u>FACILITY</u> - name and address where tanks are located:</p> <p>Costco Gasoline #1074 25801 Riverwoods Drive Mettawa, IL 60045</p> <p>Contact: Sue Head (425) 313-8100</p> |
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(3) UPGRADE OR REPAIR OF TANKS:

- (a) *Number and size of tanks being upgraded or repaired: (TK # 1, 2, 3) - 20,000, (TK # 4) - 1,500*
- (b) *Type of tanks:*
- (c) *Type of piping: (TK # 1, 2, 3) Piping - Other submersible pump, (TK # 3, 4) Piping - Fiberglass Double Wall Ameron for siphon line from tank #2 to new 30,000 tank being installed, from existing Lubrizol piping to join with piping from newly installed tank and also branching from existing Premium line and running a line to the 5 new dispenser islands as shown in the site drawing, (TK # 3, 4) Piping - Ball Valves, (TK # 3) Piping - Shear Valves, (TK # 3, 4) Piping - Flex Connector Steel*
- (d) *Product to be stored in each tank: (TK # 1, 2, 3) - Gasoline, (TK # 4) - Lubrizol - Fuel Additive*
- (e) *Type of leak detection being used:*
- Tank: (TK # 1, 2, 3, 4) Leak Detect - Tank - Automatic Tank Gauging Veeder Root TLS 450 Plus, (TK # 1, 2, 3, 4) 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, (TK # 1, 2, 3, 4) Leak Detect - Piping - Non-Discriminating Sump Sensor Interstitial Monitoring Veeder Root in submersible and dispenser sumps. NOTE: Sensors must shut down the submersible pump supplying that line upon detection of a leak per 175.640 a) 1), (TK # 2) Leak Detect - Piping - Siphon Bar from tank #2 to new 30,000 gasoline tank that's being installed. NOTE: Please refer to our rules pertaining to siphon bars, section 175.450 c) Siphon Bars. Siphon bars that are used to transfer petroleum and hazardous substances between tanks by means of gravity or negative atmospheric pressure shall be permitted subject to the following requirements:*
- 1) The height of the tops of all tanks connected by the siphon bars shall be within 6 inches of each other;*
 - 2) Piping shall meet the requirements of Section 175.420; and*
 - 3) Release detection methods for tanks and piping shall be of a type approved for tanks connected by siphon bars, in accordance with Section 175.630.*

NOTE: Per site drawing there will be three tanks siphoned together

- (f) *Corrosion Protection being used:*

Tank:

Piping: (TK # 3, 4) Corrosion Prot - Piping - Fiberglass Non-Corrosive

- (g) *Spill containment devices, piping, and dispenser containmnt devices: (TK # 1, 2, 3) Spill Contain Device - Single Wall Spill Bucket OPW FibreTite Multi-port*

(h) *Overfill prevention devices: (TK # 1, 2, 3, 4) Overfill Prev Device - Overfill Alarm Veeder Root TLS 450plus*

(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 :**

Adding siphon bar to piping section as I only added it in leak detection piping originally. Adding siphon bar to piping section as I only added it in leak detection piping originally and adding ATG info. Expanding canopy to install (5) new dispensers, sumps, and islands. Installing a new 30,000 gallon tank on an install permit. Tying on to existing premium line to feed the (5) new dispensers. Tying on to the existing additive tank to feed the new tank. Installing a new siphon line between new tank and existing tank #2. Installing a new TLS450plus. Installing new multiport manholes on (3) existing gasoline tanks.

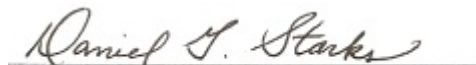
NOTE: Per NWGLDE (national work group) the Veeder Root TLS 450 Plus was not evaluated using manifolded tank systems. Therefore, the certification is only applicable when there is a probe used in each tank and the siphon is broken during testing. Tests only portion of tank containing product.

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Stenstrom Petroleum Services Group
2422 Center Street
Rockford, IL 61108

Contact Person: Robert Stenstrom
Phone: (815) 398-6250
Contractor Registration # IL1890 Exp. 4/12/2020

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File