



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 # 2041586  
Permit # 00860-2019UPG  
Request Rec'd 04/29/2019  
Amended Date 06/11/2019 DS  
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.

<p><b>(1) <u>OWNER OF TANKS</u></b> - 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><b>(2) <u>FACILITY</u></b> - name and address where tanks are located:</p> <p>Costco Wholesale #342 1332 South Route 59 Naperville, IL 60564</p> <p>Contact: Sandra Delaquila (630) 328-2900</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 # 3) Piping - Flexible Double Wall OPW Flexworks for siphon line from tank #2 to new 30,000 tank and also to branch off of the existing premium line at existing dispenser 20/21 to feed the 5 new dispensers being installed, (TK # 3) Piping - Chase Secondary Containment OPW AXP - 4" secondary chase piping, (TK # 3) Piping - Ball Valves, (TK # 3) Piping - Shear Valves, (TK # 3) Piping - Flex Connector Steel, (TK # 4) Piping - Fiberglass Double Wall Ameron from the existing Lubrizol piping to branch into the new product piping.*
- (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 - Interstitial Monitoring Veeder Root TLS 450 Plus*
- 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 all 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, 3) Leak Detect - Piping - Siphon Bar for piping from tank #2 to the new 30,000 tank. 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: There will be a total of three tanks siphoned together per site drawing.***

- (f) *Corrosion Protection being used:*

*Tank:*

*Piping:*

- (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) Overfill Prev Device - Overfill Drop Tube Valve OPW 71SO-410C, (TK # 1, 2, 3, 4) Overfill Prev Device - Overfill Alarm Veeder Root TLS 450plus NOTE: Ball floats must be removed or disabled**

**(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](http://www.sfm.illinois.gov) or by calling (217)785-1020.

**(5) SPECIAL CONTINGENCIES :**

Expanding existing canopy to install (5) new dispensers and islands. Existing petroleum tanks get new TLS450Plus, fill manholes, and drop tubes. We will also be installing a new 30,000 gallon tank on an install permit. Existing tank #2 will be siphoned to the new tank. Existing tank #3 (premium) will have new piping from existing dispenser #20/21 to the (5) new dispensers. Existing additive tank will be piped to the new tank. Installing new VST green machine and kiosk. **NOTE: Per NWGLDE (national work group) the Veeder Root TLS 450 Plus has not been evaluated using manifolded tank systems. Therefore, the certification is only applicable when there is a prove used in each tank and the siphon is broken during testing. Tests only portion of the tank containing liquid.**

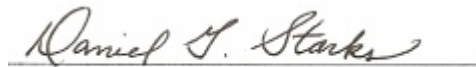
Redesign. New tank will be premium.

**(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