



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 # 1046842
Permit # 00877-2019INS
Request Rec'd 05/03/2019
Amended Date
Approval Date 5/6/2019 DS
Permit Expires 11/6/2019

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.**

(1) OWNER OF TANKS - Corporation, partnership, or other business entity: Costco Wholesale Corporation P.O. Box 35005 Seattle, WA 98124 Contact: Jay S.Grubb (206) 313-8100	(2) FACILITY - name and address where tanks are located: Costco Gasoline #1353 4000 Stadium Drive Loves Park, IL 61111 Contact: Jay Grubb (206) 313-8100
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(3) INSTALLATION OF TANKS:

- (a) Number and size of tanks being installed: (TK # 1, 2, 3) - 30,000, (TK # 4) - 1,500*
- (b) Type of tank(s): (TK # 1, 2, 3, 4) Tank - Fiberglass Brine Filled Double Wall Containment Solutions*
- (c) Type of piping: (TK # 1, 2, 3, 4) Piping - Flexible Double Wall OPW Flexworks product piping from tanks to dispensers, (TK # 1, 2, 3, 4) Piping - Chase Secondary Containment OPW AXP - 4" secondary chase piping, (TK # 1, 2, 3, 4) Piping - Ball Valves, (TK # 1, 2, 3) Piping - Shear Valves, (TK # 1, 2, 3, 4) Piping - Flex Connector Steel, (TK # 1, 2, 3) Piping - Single Wall STP/Tanktop Sump Containment Solutions Fiberglass, (TK # 1, 2, 3) Piping - Single Wall Transition Sump Bravo B-830 Series, (TK # 4) Piping - Single Wall STP/Tanktop Sump OPW Fibrelite*
- (d) Product to be stored in each tank: (TK # 1, 2) - Gasoline - Regular, (TK # 3) - Gasoline - Premium, (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*

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.*

Piping: *(TK # 1, 2, 3, 4) 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 # 1, 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: Tanks 1 & 2 will be siphoned together as shown in site drawing

(f) Corrosion Protection being used:

Tank: (TK # 1, 2, 3, 4) Corrosion Prot - Tank - Fiberglass Non-Corrosive

Piping: (TK # 1, 2, 3, 4) Corrosion Prot - Piping - Flexible Non-Corrosive

(g) Spill containment devices, piping and dispenser containment devices: (TK # 1, 2, 3, 4) 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, (TK # 4) Overfill Prev Device - Overfill Drop Tube Valve OPW 61 F Stop 2000


- (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 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** : New build site. Installing (3) 30K tanks and (1) 1500 gallon additive tank. New canopy, (12) islands and dispensers, new TLS450Plus. OPW Flexworks piping with OPW Flexworks dispenser sumps.

(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