



**City of Chicago**  
**Department of Public Health**  
 333 South State Street, Room 200  
 Chicago, IL 60604  
 312/745-3162  
 www.sfm.illinois.gov  
 SFM.DPCS@illinois.gov  
**Revised**

<b>FOR OFFICE USE ONLY</b>	
Facility #:	2047472
Permit #:	00947-2023INS
Request Rec'd:	08/23/2023
Approval Date:	08/23/2023 SB
Extension Date:	08/23/2023
Permit Expires:	02/23/2024

**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 shall establish a date and time certain to perform the UST activity by scheduling the permitted activity through their UST contractor portal account. All testing forms must be submitted prior to the final being conducted. The tank owner must submit a Notification for Underground Storage Tanks form prior to the scheduling of the final schedule at: <https://webapps.sfm.illinois.gov/USTPortal/NotificationForm>.

**THIS PERMIT IS VALID FOR SIX MONTHS FROM THE APPROVAL DATE.**

<p><b>OWNER OF TANKS</b>          - Corporation, partnership, or other business entity:          Rush Hospital          516 S. Loomis Street          Chicago, IL 60607          Cook County          Contact: Anthony DiValerio 847/847-2146</p>	<p><b>FACILITY</b>          - name and address where tanks are located:          Rush Specialty Hospital          516 S. Loomis Street          Chicago, IL 60607          Cook County          Contact: Anthony ViValerio 847/214-6457</p>
---	---

**Tanks on the Permit**

Tank #	Product	Capacity	Tank Status	Regulated Status
1	Diesel Fuel	5,000	Installed/Not in Use	Federal

## Tank 1 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450 Plus	New
Leak Detection - Tank	Non-Discriminating Interstitial Monitoring Sensors	New
Spill Containment Device	Double Wall Spill Bucket Remote Fill	New
Overfill Prevention Device	Overfill Drop Tube Valve	New
Overfill Prevention Device	Overfill Alarm	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Corrosion Protection - Piping	Fiberglass Non-Corrosive	New
Tank	Fiberglass Double Wall Containment Solutions	New
Piping	Fiberglass Double Wall Ameron Dualoy 3000/LCX	New
Piping	Flex Connector Steel	New
Piping	Other Steel Riser	New
Piping	Other Submersible Pump	New
Piping	Single Wall STP/Tanktop Sump	New
↳ Leak Detection - Piping	Discriminating Sump Sensor with positive shutdown	New
Piping	Single Wall Transition Sump	New
↳ Leak Detection - Piping	Discriminating Sump Sensor with positive shutdown	New
Piping	Ball Valves	New
Piping	Extractor Fitting Valves	New
Piping	Fiberglass Single Wall Piping Ameron Dualoy 3000/L	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New

### General Requirements

USTs shall be installed to safeguard against movement by anchoring in accordance with manufacturer's instructions. 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.

### Summary of Work

- Excavate for installation of one 5,000 gallon underground storage tank
- Supply and install concrete hold down deadmen at bottom level of tank
- Supply and install 12" clean stone bedding for tank to be set on
- Supply and install (1) 5,000 gallon double walled dry interstice fiberglass underground fuel tank
- Backfill tank to tank top -Supply and install two tank top piping sumps (One for piping connections and one for remote fill piping connection -Supply and install two transition sumps where piping is to transition from below grade to above grade
- Supply and install double walled 2" fiberglass underground supply and return piping between tank sump and transition sumps
- Supply and install primary and secondary submersible pumps inside of new tank top piping sump
- Supply and install Smart IQ submersible control boxes
- Supply and install remote spill bucket -Supply and install below grade double wall fiberglass piping from remote spill bucket to underground to tank top sump
- Make all necessary piping connections at submersibles and for remote fill -Supply and install Veeder Root TLS-450 plus automatic tank gauge including the following
  - TLS 450 console with printer
  - In tank probe for level monitoring
  - Tank interstice sensor for tank leak detection
  - Piping sump sensors for piping leak detection
  - Network connection capabilities
- Complete backfilling of underground fuel tank and piping
- Supply and install up to 250 square feet of 8" concrete over new tank to hold in place all manholes
- After others supply fuel, return, start up and purge fuel system -rough grade work area

PLEASE NOTE THAT SENSORS WITH POSITIVE SHUT DOWN WAS CHOSEN, DUE TO THAT BEING THE ONLY OPTION. POSITIVE SHUT DOWN IS NOT ALLOWED ON GENERATOR TANKS, SO PLEASE CHANGE TO SUMP SENSORS WITHOUT POSITIVE SHUT DOWN.  
THANKS

**Special Contingencies**

**Revision Reason:**

As this tank is a backup generator tank, the system is NOT required to install a non-discriminating sump sensor with positive shutdown. Only can utilize a non-discriminating sensor.

<b>PERSON, FIRM OR COMPANY PERFORMING WORK:</b>	
Stenstrom Petroleum Services Group 2422 Center Street Rockford, IL 61108	Contact Person: Robert Stenstrom Phone: 630/878-6354 Email: jasonre@rstenstrom.com Contractor License # IL1890 Exp. 4/12/2024

Sincerely,



Shelly Bradley