



**Office of the Illinois State Fire Marshal  
Division of Petroleum and Chemical Safety**  
1035 Stevenson Drive  
Springfield, IL 62703  
217/785-1020  
www.sfm.illinois.gov  
SFM.DPCS@illinois.gov  
**Extended**

**FOR OFFICE USE ONLY**

Facility #: 4047542  
Permit #: 00098-2023INS  
Request Rec'd: 01/24/2023  
Approval Date: 01/26/2023 DS  
Extension Date: 05/30/2023  
Permit Expires: 01/26/2024

**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 EXTENSION DATE.**

<b>OWNER OF TANKS</b> - Corporation, partnership, or other business entity: Mac's Convenience Stores, LLC 550 Warrenville Road Lisle, IL 605324640 Contact: Cody Thiems 918/615-7304	<b>FACILITY</b> - name and address where tanks are located: QT #7191 1320 N Third Street Effingham, IL 32401 Effingham County Contact: Cody Thiems 918/615-7304
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**Tanks on the Permit**

Tank #	Product	Capacity	Tank Status	Regulated Status
1	Gasoline - Regular	20,000	Installed/Not in Use	Federal
2	Gasoline - Regular	20,000	Installed/Not in Use	Federal
3	Gasoline - Non Ethanol	20,000	Installed/Not in Use	Federal
4	Gasoline - Premium	20,000	Installed/Not in Use	Federal
5	B-99	18,000	Installed/Not in Use	Federal
6	Diesel Fuel	30,000	Installed/Not in Use	Federal
7	Diesel Fuel	30,000	Installed/Not in Use	Federal
8	Diesel Fuel	30,000	Installed/Not in Use	Federal
9	Diesel Fuel	30,000	Installed/Not in Use	Federal

## Tank 1 Equipment

Equipment Type	Permit Equipment	Action
Leak Detection - Tank	Automatic Tank Gauging Veeder Root TLS 450	New
Leak Detection - Piping	Non-Discriminating Sump Sensor with positive shutdown	New
Spill Containment Device	Double Wall Spill Bucket	New
Overfill Prevention Device	Overfill Drop Tube Valve	New
Tank	Fiberglass Double Wall Containment Solutions	New
Leak Detection - Piping	Electronic Pressurized Line Leak Detection	New
Piping	Flexible Double Wall Universal Petro Pipe	New
Piping	Flex Connector Steel	New
Piping	Other Steel Riser	New
Piping	Other Submersible Pump	New
Piping	Single Wall STP/Tanktop Sump	New
Piping	Single Wall Transition Sump	New
Piping	Ball Valves	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Corrosion Protection - Piping	Fiberglass Non-Corrosive	New
Leak Detection - Tank	Hydrostatic Reservoir Interstitial Monitoring Sensors	New
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Piping	Ball Valves	New
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Piping	Ball Valves	New
Corrosion Protection - Tank	Fiberglass Non-Corrosive	New
Corrosion Protection - Piping	Fiberglass Non-Corrosive	New
Leak Detection - Tank	Hydrostatic Reservoir Interstitial Monitoring Sensors	New

### 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.

### Summary of Work Files

See summary of work files attached to the permit application.

### Summary of Work

2. Quote is bid to install the one set of tanks then move over and install the other set of tanks right afterwards. There is only one mob charge in for the equipment for these two (2) tank holes.
3. Form and pour the deadmen on site. (if option is taken)
4. Have a sieve analysis done on the rock that we will use for the tanks as well as have the tank manufacture supply an approval letter.
5. Provide an engineered slide rail shoring system Must have access to all four (4) sides of the hole for the shoring install and removal.
6. Excavate the tank holes, all spoils will be loaded onto trucks and hauled from the site as "clean". Install the slide rail shoring system and line the tank hole with 6 oz. non woven geotextile fabric.
7. Set the deadmen and bed the bottom of the tank hole with 1' of tank manufactures approved rock.
8. Coordinate with the tank manufacture and have the tanks delivered to the site. Supply a crane to set the deadmen in place and to unload and set the tanks into the tank hole.
9. Stockpile backfill materials on site and using a tele belt place the rock in the hole to the tank tops.
10. Ballast the tanks with water from an onsite water supply. If water has to be trucked in additional there will be charges.
11. Dig the petroleum ditch, load and haul all the spoils from the site as "clean". Line the ditches with geotextile fabric.
12. With the QT supplied materials pipe in the tank tops, set islands and sumps, run the product and vent lines per the drawings. Pipe in the bio blenders at the four (4) truck diesel islands.
13. Per QT spec. furnish and install galvanized piping on all the gas tanks and black pipe for the diesel. All of the piping will be 4" and will be coated and wrapped with the Polyken tape and primer.
14. All the exposed metal components within the tank sumps will get two (2) coats of oil resistant (Krylon) royal blue spray paint.
15. Air test all piping for the regulating agencies.
16. Per QT spec. perform a Caldwell water test on all the tank and dispenser sumps with water. Water test the spill 1 of 5 buckets.
17. NO ELECTRIC FOR PETROLEUM INCLUDED IN QUOTE. SITE GC TO SUPPLY THE ELECTRICIAN
18. Backfill the tank hole and product line ditches to sub grade.
19. Over the tanks install the geo grid, sono tube and #57 gravel per the specs.
20. Set the QT supplied manholes. Be on site the day the GC's concrete contractor pours the tank slab.
21. Set and secure the air mover on the canopy I-beam, connect our 4" pipe to the air mover.
22. Furnish and install 1" stainless steel solenoid valve, temp. sensor and stainless steel piping in the end DEF sump.
23. Set dispensers, install the hanging hardware and valances. Remove water from the tanks and dry the tank bottoms. Arrange for an alcohol bath of the tanks. Receive fuel, start up the dispensers, purge fuel thru the lines/dispensers, work with QT-FS technicians to get dispensers on line with there POS.

### Special Contingencies

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18. Backfill the tank hole and product line ditches to sub grade.
19. Over the tanks install the geo grid, sono tube and #57 gravel per the specs.
20. Set the QT supplied manholes. Be on site the day the GC's concrete contractor pours the tank slab.
21. Set and secure the air mover on the canopy I-beam, connect our 4" pipe to the air mover.
22. Furnish and install 1" stainless steel solenoid valve, temp. sensor and stainless steel piping in the end DEF sump.
23. Set dispensers, install the hanging hardware and valances. Remove water from the tanks and dry the tank bottoms. Arrange for an alcohol bath of the tanks. Receive fuel, start up the dispensers, purge fuel thru the lines/dispensers, work with QT-FS technicians to get dispensers on line with there POS.

**NOTE: A motor fuel dispensing permit must be applied for asap**

PERSON, FIRM OR COMPANY PERFORMING WORK:	
Neumayer Equipment Company, Inc. 5060 Arsenal Street St. Louis, MO 63139	Contact Person: Jimmy Spiros Phone: Email: Contractor License # IL1502 Exp. 3/26/2024

Sincerely,



Daniel Starks