



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 # 3006074
Permit # 00978-2021UPG
Request Rec'd 08/23/2021
Amended Date
Approval Date 8/26/2021 DS
Permit Expires 2/28/2022

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>(1) <u>OWNER OF TANKS</u> - Corporation, partnership, or other business entity:</p> <p>Mac's Convenience Stores, LLC 550 Warrenville Rd., Suite 400 Lisle, IL 60532</p> <p>Contact: Ralitsa Valkanova (919) 986-6149</p>	<p>(2) <u>FACILITY</u> - name and address where tanks are located:</p> <p>Circle K #1222 603 South East 3rd Street Aledo, IL 61231</p> <p>Contact: Toni Beck (812) 379-9227</p>
--	--

(3) UPGRADE OR REPAIR OF TANKS:

- (a) Number and size of tanks being upgraded or repaired: (TK # 5, 6, 7) - 10,000, (TK # 8) - 8,000, (TK # 9) - 4,000*
- (b) Type of tanks:*
- (c) Type of piping: (TK # 5) Piping - Other Steel Riser*
- (d) Product to be stored in each tank: (TK # 5) - Gasoline - Regular, (TK # 6) - Gasoline - Mid-grade, (TK # 7) - Gasoline - Premium, (TK # 8) - Diesel Fuel, (TK # 9) - Kerosene*
- (e) Type of leak detection being used:*
 - Tank: (TK # 9) Leak Detect - Tank - Hydrostatic Reservoir Interstitial Monitoring Sensors*
 - Piping: (TK # 9) Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown*
- (f) Corrosion Protection being used:*
 - Tank:*
 - Piping:*
- (g) Spill containment devices, piping, and dispenser containment devices: (TK # 5, 6, 7, 8, 9) Spill Contain Device - Double Wall Spill Bucket*
- (h) Overfill prevention devices: (TK # 5, 6, 7, 8, 9) Overfill Prev Device - Overfill Drop Tube Valve*
- (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** : 1. Saw cut and remove concrete from around the Nolead, Midgrade, Premium, and Diesel spill buckets.
2. Saw cut and remove concrete across the whole Kerosene tank top. Saw cut back from the tank top to the kerosene dispensers and to the store. Disconnect the kerosene dispenser from product pipe and electrical and set aside.
3. Excavate to the top of the nolead, midgrade, premium, diesel, and kerosene tanks to remove the existing fill risers with drop tubes and spill buckets.
4. Install new fill risers, spill buckets, drop tubes, fill adapters, and fill caps for the nolead, midgrade, premium, diesel, and kerosene tanks. Perform testing spill buckets and fill out appropriate forms for the spill buckets and drop tube

installations and testing. Turn these into ILOFSM.

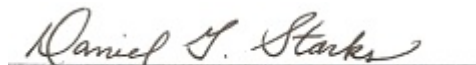
5. Run new conduit run from the ATG inside the store to the trench at corner of the store and through the trench to the kerosene dispenser sump, kerosene STP sump, kerosene probe, and kerosene interstitial sensor. Conduit to the kerosene dispenser sump cannot penetrate the sump so will have to run up the side of the sump and back down into the sump through the sump opening.
6. Pull in new wiring to each item and install new sump sensors, and liquid brine sensor for the interstitial sensor.
7. Make connections to these new sensors and the existing tank probe and verify function of the sensors and positive shut off from the sump sensors. Fill out appropriate forms for these tests and submit to ILOFSM.
8. Install new entry boot on the STP sump and perform hydrostatic testing of the sump. Fill out appropriate form for these test and submit to ILOFSM. Water from test will be pumped into one (1) drum and left on site for CK to properly dispose of.
9. Backfill, install new manways, drill and pin to existing concrete, and replace removed concrete and barricade around new concrete until concrete has cured.
10. Reinstall kerosene dispenser, reconnect to product pipe, and electrical. Purge and verify function of the dispenser.
12. Pump liquid out of dispenser sump #7/8 into drum and lower sensor to correct height.
13. Remove some brine from premium tank's interstitial space and adjust the interstitial sensor to the correct height.

(6) PERSON, FIRM OR COMPANY PERFORMING WORK:

Neumayer Equipment Company, Inc.
5060 Arsenal Street
St. Louis, MO 63139

Contact Person: Jimmy Spiros
Phone: (314) 772-4501
Contractor Registration # IL1502 Exp. 3/26/2022

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist
Division File