



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 # 4035603  
Permit # 00240-2023UPG  
Request Rec'd 03/06/2023  
Amended Date  
Approval Date 3/6/2023 DS  
Permit Expires 9/6/2023

**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.

<b>(1) OWNER OF TANKS</b> - Corporation, partnership, or other business entity:  Mac's Convenience Stores, LLC 1100 Situs Court, Suite 100 Raleigh, NC 27606  Contact: Elizabeth Patterson (984) 389-1765	<b>(2) FACILITY</b> - name and address where tanks are located:  Circle K #1385 1 Commerce Way Clifton, IL 60927  Contact: Sherri (630) 800-6065
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**(3) UPGRADE OR REPAIR OF TANKS:**

- (a) *Number and size of tanks being upgraded or repaired: (TK # 1, 2, 3, 4) - 10,000*
- (b) *Type of tanks:*
- (c) *Type of piping: (TK # 1, 2, 3, 4) Piping - Flexible Double Wall NUPI Smartflex from existing tanks to dispensers as shown in site plan, (TK # 1, 2, 3, 4) Piping - Ball Valves, (TK # 1, 2, 3, 4) Piping - Shear Valves, (TK # 1, 2, 3, 4) Piping - Flex Connector Steel, (TK # 1, 2, 3, 4) Piping - Single Wall STP/Tanktop Sump*
- (d) *Product to be stored in each tank: (TK # 1) - Gasoline - Regular, (TK # 2) - Gasoline - Mid-grade, (TK # 3) - Gasoline - Premium, (TK # 4) - Diesel Fuel*
- (e) *Type of leak detection being used:*
  - Tank:*
  - Piping: (TK # 1, 2, 3, 4) Leak Detect - Piping - Non-Discriminating Sump Sensor with positive shutdown in all sumps*
- (f) *Corrosion Protection being used:*
  - Tank:*
  - Piping:*
- (g) *Spill containment devices, piping, and dispenser containment devices:*
- (h) *Overfill prevention devices:*
- (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 :**

- 14. Furnish and install four (4) tank mount flanges and four (4) fiberglass STP tank sumps.
- 15. Furnish and install four Red Jacket submersible turbine pumps as follows. three (3) 1.5hp motors for unleaded and premium, and one (1) .75hp motor for diesel.
- 16. Furnish and install five (5) Nupi poly dispenser sumps. Ensure the sumps are 1.5" above the existing finished grade. The dispensers will be re-set islandless. The dispenser sumps will be pre-manufactured with stabilizer bar kits, 1.5" double wall penetration fittings, 1.5" double wall secondary test fittings, 1.5" single wall tee or elbow fittings, 1.5" flex hoses, and Emco shear valves.
- 17. Make necessary STP sump penetrations for conduit entry and product supply piping. Each STP sump will have two (2) 3/4" conduits for power and sumps sensors.

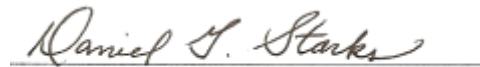
18. Furnish and install approximately 500' of Nupi 1.5" double wall UL listed fuel pipe. Make final connections inside each of the four (4) STP sumps. Include ball valves, flex hoses, and appropriate fittings. Continue piping run to each of the five (5) Nupi dispenser sumps and make final connections.
19. Furnish licensed electrician to run two (2) 3/4" conduits to each of the four (4) STP sumps for power and sump sensors. Make final connections.
20. Furnish licensed electrician to run three (3) 3/4" conduits and wire to each dispenser sump for power, CRIND/pump communication, and sump sensors. Conduits will run on the outside of the dispenser sump.
21. Furnish and install nine (9) universal sump sensor mounting kits and nine (9) non-discriminating sump sensors.
22. With the ILOSFM on site, air test all piping runs and perform hydrostatic tests on the four (4) STP sumps and five (5) dispenser sumps.
23. In the previous location of the removed u-shaped bumper guards, furnish and install twenty (20) 4" x 7' pipe bollards as follows: two (2) bollards 2' outside each canopy column. Ensure bollards are 3' below grade and are 36" apart.
24. Furnish and install twenty (20) red bollard sleeves.
25. Backfill all excavated areas. Drill and pin to the existing concrete. Pour new concrete and finish to grade.
26. Set the existing dispensers back onto the new sumps. Re-connect the product supply lines.
27. Furnish a licensed electrician to make final power connections to the dispensers.
28. Purge and calibrate the dispensers.
29. Ensure proper communication with the site's POS system. Ensure network communication is active.
30. Furnish and install one (1) interface module expansion board kit, two (2) 8-input liquid sensor module, one (1) 2-input/2 relay output interface, and one (1) 4-input pump sense interface module into the existing Veeder-Root Pro Max ATG console.
31. Furnish a licensed electrician to wire in the STP motors to the 2-input/2-relay interface for positive shut down.
32. Connect all sump sensors to the ATG and program accordingly. Test the sensors for proper operation.
33. Circle K to arrange for Tanknology to perform a third party precision line test.
34. Meet the ILOSFM on site for final inspection.
35. Place site in service. Replaced piping exceeds 20 feet or 50% of the total pipe run.

**(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. 3/26/2024

Sincerely,



Daniel Starks

cc: Storage Tank Safety Specialist  
Division File