HazMat 38-04
Revised 4/12

Public Protection Cabinet
Department of Housing, Buildings and Construction
Division of Fire Prevention - Hazardous Materials Section
500 Mero St 1st FL NW
Frankfort, Kentucky 40601-5405
Telephone: (502) 573-1702 Fax: (502) 573-1695

PERMIT APPLICATION TO INSTALL LIQUEFIED PETROLEUM (LP) GAS & ANHYDROUS AMMONIA (NH3) TANKS

For Office Use Only

Permit No.: _____ **Approved By:** _____

Amount Paid: _____ **Date Approved:** _____

Installation Site

NAME OF BUSINESS/COMPANY (D/B/A)

STREET ADDRESS

CITY STATE ZIP CODE

( ) TELEPHONE NUMBER COUNTY

LP GAS LICENSE # (For LP Gas Resale Only) EXPIRATION DATE

Owner of Tanks

OWNER/OPERATOR/COMPANY NAME

STREET ADDRESS

CITY STATE ZIP CODE

( ) TELEPHONE NUMBER COUNTY

Installation Contractor

COMPANY NAME LP GAS LICENSE #

STREET ADDRESS

CITY STATE ZIP CODE

( ) TELEPHONE NUMBER CONTACT PERSON

( ) FAX NUMBER EMAIL ADDRESS

Type of Facility

- ☐ Industrial Stand-By
- ☐ Bulk Plant
- ☐ Dispensing Station (Filling – Private Use only)
- ☐ Dispensing Station (Filling for Resale)
- ☐ Other (Please specify): _____

Installation Activities To Be Completed Under This Permit (check all that apply):

☐ New Site ☐ Adding new tank(s) at existing site ☐ Repair (Tank / Piping)
☐ Reconfiguration of existing piping ☐ Replacing an existing tank ☐ Other (Specify):_____

1. Tank Information -

Tank #1

Tank Type: ☐ ASME ☐ API-ASME Legible Data Plates: ☐ Yes ☐ No

Installation is to be: ☐ Permanent ☐ Temporary Tank Usage: ☐ Aboveground ☐ Underground

Product Content in Tank: _____ Tank Capacity (Gallons): _____

Tank National Board Number: _____ Tank Serial Number: _____

Name of Tank Manufacturer: _____ Manufactured Year of Tank: _____

Relief Valve Capacity: _____ CFM Type of tank relief device: ☐ Internal ☐ External

Diameter of Tank: (Length) _____ x (Diameter) _____

Tank #2

Tank Type: ☐ ASME ☐ API-ASME Legible Data Plates: ☐ Yes ☐ No

Installation is to be: ☐ Permanent ☐ Temporary Tank Usage: ☐ Aboveground ☐ Underground

Product Content in Tank: _____ Tank Capacity (Gallons): _____

Tank National Board Number: _____ Tank Serial Number: _____

Name of Tank Manufacturer: _____ Manufactured Year of Tank: _____

Relief Valve Capacity: _____ CFM Type of tank relief device: ☐ Internal ☐ External

Diameter of Tank: (Length) _____ x (Diameter) _____

Tank #3

Tank Type: ☐ ASME ☐ API-ASME Legible Data Plates: ☐ Yes ☐ No

Installation is to be: ☐ Permanent ☐ Temporary Tank Usage: ☐ Aboveground ☐ Underground

Product Content in Tank: _____ Tank Capacity (Gallons): _____

Tank National Board Number: _____ Tank Serial Number: _____

Name of Tank Manufacturer: _____ Manufactured Year of Tank: _____

Relief Valve Capacity: _____ CFM Type of tank relief device: ☐ Internal ☐ External

Diameter of Tank: (Length) _____ x (Diameter) _____

Tank #4

Tank Type: ☐ ASME ☐ API-ASME Legible Data Plates: ☐ Yes ☐ No

Installation is to be: ☐ Permanent ☐ Temporary Tank Usage: ☐ Aboveground ☐ Underground

Product Content in Tank: _____ Tank Capacity (Gallons): _____

Tank National Board Number: _____ Tank Serial Number: _____

Name of Tank Manufacturer: _____ Manufactured Year of Tank: _____

Relief Valve Capacity: _____ CFM Type of tank relief device: ☐ Internal ☐ External

Diameter of Tank: (Length) _____ x (Diameter) _____

a. Distance of nearest tank to closest property line which may be built upon: _____ feet

b. Distance of nearest tank to closest important building on the same property: _____ feet

c. Type of liquid level gauging device: ☐ Slip Tube ☐ Rotary Tube ☐ Float ☐ Combination ☐ Not Applicable

d. Will each tank over 2,000 gallons W.C. have an adequate pressure gauge? ☐ Yes ☐ No

e. Will each aboveground tank be painted a light-reflecting color? ☐ Yes ☐ No
   1. Indicate if tank(s) will be surrounded with industrial type fence with two (2) separate openings: ☐ Yes ☐ No
   2. If no, will the valves and equipment be protected from tampering? ☐ Yes ☐ No

f. Indicate if tank and related piping system will be protected from vehicular damage: ☐ Yes ☐ No

g. Indicate if a temperature gauge will be provided? ☐ Yes ☐ No

2. Piping Information -

a. Indicate type of piping: ☐ Steel ☐ Wrought Iron ☐ Brass ☐ Copper ☐ Polyethylene

b. Indicate type of tubing: ☐ Steel ☐ Brass ☐ Copper ☐ Polyethylene

c. Indicate type of fittings: ☐ Steel ☐ Brass ☐ Copper ☐ Malleable

d. Indicate type of Service: ☐ Liquid ☐ Vapor ☐ Both Liquid & Vapor

e. Liquid service piping to be: ☐ Schedule 40 ☐ Schedule 80

f. Liquid service piping connections to be: ☐ Screwed ☐ Welded ☐ Screwed & Back Welded

g. Will vapor return service piping to be schedule 40 or greater? ☐ Yes ☐ No

h. Specify if swing joints and/or flexible connectors are to be installed: ☐ Swing Joints ☐ Flexible Connectors ☐ Both

i. Specify if tank openings are to be provided with excess-flow valves, if dedicated to liquid service: ☐ Yes ☐ No

j. Specify if tank openings are to be provided with excess-flow protection, if dedicated to vapor service: ☐ Yes ☐ No

2. Piping Information (Continued) -

k. Specify pressure settings on hydrostatic relief valves to be 400-500 PSIG: ☐ Yes ☐ No

l. Indicate if back-flow check valve is to be used in liquid line supplying the tank: ☐ Yes ☐ No

m. Indicate if any piping will be locate underground: ☐ Yes ☐ No
Depth of underground metal piping: _____ inches
1. Will corrosion protection be provided on underground metal piping? ☐ Yes ☐ No
2. If cathodic protection is utilized on underground metal piping, will an insulating fitting be installed at each point where the pipe emerges from the ground? ☐ Yes ☐ No

n. Will there be a tank top dispenser on the LP Gas tank? ☐ Yes ☐ No

3. Utilization Equipment –

a. If vaporizer unit be utilized specify the type: ☐ Direct-fired ☐ Indirect fired ☐ Waterbath

b. Distance requirements:
1. Distance from vaporizer, tank heater, vaporizer-burner, or gas-air mixer to tank - _____feet.
2. Distance of Tank valves - _____ feet.
3. Distance of point of transfer - _____ feet.
4. Distance to nearest important building - _____ feet.
5. Distance to adjoining property line which can be built upon - _____ feet.
6. Distance to any flammable, combustible or hazardous materials storage tank/containers- _____ feet.

c. Specify if liquid storage system will be used in a gas distribution facility: ☐ Yes ☐ No

d. Will liquid storage system be used in an industrial plant facility: ☐ Yes ☐ No

e. Specify if facility will utilize L.P. gas cylinders on exchange basis only: ☐ Yes ☐ No

f. Is there a scale and pump enclosure at the end of the tank or close to tank proximity? ☐ Yes ☐ No

g. Indicate if system will be used for D.O.T. cylinder filling or motor fuel container filling? ☐ Yes ☐ No
Type of filling: ☐ D.O.T. cylinders ☐ Motor Fuel ☐ Both

Installation Requirements

- *"No Smoking"* sign be conspicuously posted in the transfer area.
- An excess-flow valve (ESV) shall be provided in the steel piping at the point of the dispensing hose attachment.
- A listed emergency breakaway device shall be installed in the dispensing hose if the installation of tank is at a motor fuel station.
- Structures housing LPG transfer operations shall comply with Chapter 7 of NFPA 58.
- A hydrostatic relief valve shall be provided for hoses which normally contain liquid (wet hose).
- All electrical installations shall be performed by a Kentucky licensed Electrician and inspected by a Kentucky Certified Electrical Inspector.
- All electrical wiring and conduit in hazardous locations shall conform to the National Electrical Code, Class 1, Division 1 and 2 requirements and be inspected by a Certified Electrical Inspector.
- After assembly, piping system (including hose) shall be tested at not less than the normal operating pressure and be proven free of leaks.
- Properly-sized excess-flow valves shall be installed where piping size is significantly reduced.
- If a bulkhead will be installed, at transfer points on system utilizing over 4,000 gallons water capacity.
- An emergency shut-off valve shall be located at transfer points where applicable.
- Aboveground liquid and vapor piping shall be properly supported between the tank, transfer points, and utilization points.
- If vaporizer, tank heater, vaporizer-burner, or gas-air mixer is to be utilized, specifications on the unit shall be submitted with permit application.
- If the vaporizer is direct-fired, an emergency shut-off valve (ESV) shall be provided in the inlet piping.
- The point of transfer be at least: 10 feet from buildings with 1 hour fire resistive walls, 25 feet from buildings with other than fire resistive walls, 25 feet from wall openings or pits below the level of transfer where vapors can collect, 25 feet from adjoining property which can be built upon and 25 feet from public ways (streets, sidewalks, thoroughfares, etc.
- If a remote electrical shut-off shall be provided for transfer equipment.
- Remote electrical shut-off shall be conspicuously marked.

Fee Schedule

A charge of $100.00 for the first tank and $50.00 for each additional tank and piping system plan review fee is $100.00 is required for this specialized review. **The required fee must accompany your application for permit.** Your check or money order should be made payable to the *"Kentucky State Treasurer"*. The name and location of the project must be indicated on the check or money order.

I, the undersigned, do hereby agree that this installation shall comply with all applicable requirements of the "Standards of Safety" promulgated in 815 KAR 10:060, KRS 234.180 and all other applicable standards as required. All answers in this application are true and accurate to the best of my knowledge. In accordance with KRS 234.180, a copy of the original boiler inspector's report of inspection (U1A) of the tank or tanks to be used shall be submitted for liquefied petroleum gas installation(s).

_____ _____

Contractor (Signature) Date

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APPROVAL BY THE HAZARDOUS MATERIALS SECTION

_____

PROJECT NAME

_____

IF THE NAME HAS CHANGED, WHAT WAS IT PREVIOUSLY CALLED

_____

STREET ADDRESS

_____ _____

CITY COUNTY

_____

PERMIT NUMBER

This storage tank system was tested on _____ with satisfactory results. The above listed permitted installation is found to have complied with the Kentucky Standards of Safety (815 KAR 10:060), and KRS Chapter 234.

_____ _____ _____

Hazardous Materials Field Inspector **Badge #** **Date**

Comments: _____

_____

Site Plan

In accordance with KRS 234.180(1)(c), a plot plan showing dimensions of the area proposed to be used for the tank and/or piping, distances to the nearest property lines and the location and construction of any buildings.