



**Public Protection Cabinet**  
**Department of Housing, Buildings and Construction**  
**Division of Fire Prevention - Hazardous Materials Section**  
**101 Sea Hero Road, Suite 100**  
**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.: \_\_\_\_\_  
Amount Paid: \_\_\_\_\_

Approved By: \_\_\_\_\_  
Date Approved: \_\_\_\_\_

**Installation Site**

**Owner of Tanks**

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

OWNER/OPERATOR/COMPANY NAME

STREET ADDRESS

STREET ADDRESS

CITY STATE ZIP CODE

CITY STATE ZIP CODE

( )  
TELEPHONE NUMBER COUNTY

( )  
TELEPHONE NUMBER COUNTY

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

**Installation Contractor**

**Type of Facility**

COMPANY NAME LP GAS LICENSE #

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

STREET ADDRESS

CITY STATE ZIP CODE

( )  
TELEPHONE NUMBER CONTACT PERSON

( )  
FAX NUMBER EMAIL ADDRESS

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

- New Site
- Reconfiguration of existing piping
- Adding new tank(s) at existing site
- Replacing an existing tank
- Repair (Tank / Piping)
- 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

**For Official Use Only**  
**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.*