HazMat 38-07
Revised 8/2012

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
Telephone: (502) 573-1702 Fax: (502) 573-1695

PERMIT APPLICATION TO INSTALL ABOVEGROUND STORAGE TANKS (AGST) FOR PETROLEUM PRODUCTS OR HAZARDOUS SUBSTANCE

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

Owner of Tanks

_____
OWNER/OPERATOR/COMPANY NAME

_____
STREET ADDRESS

_____
CITY STATE ZIP CODE

( ) _____
TELEPHONE NUMBER COUNTY

Installation Contractor

_____
COMPANY NAME

_____
STREET ADDRESS

_____
CITY STATE ZIP CODE

( ) ( )
TELEPHONE NUMBER FAX NUMBER

_____
CONTACT PERSON EMAIL ADDRESS

Type of Facility

☐ Commercial ☐ Private Use ☐ Government

☐ Heating Oil ☐ Bulk Plant

☐ Other (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):_____

Tank Type Codes:

01 UL 142	04 ASME	07 API 12D	10 Sti 921
02 UL 80	05 API 650	08 API 12F	11 Other
03 UL 2085	06 API 12B	09 DOT	

NOTE: Tank numbers shall correspond with the tank numbers on the accompanying site plan.

1. Tank Information –

TANK #1:

Tank Type: _____ Compartmented: ☐ Yes ☐ No **If yes, number of compartments: ____

Product(s) Content in Tank: _____ Capacity of Tank: _____

Name of Tank Manufacturer: _____ Model of Tank: _____

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

Fill Connection Diameter (indicate inches): _____ Diameter of Working Vents (indicate inches): _____

Diameter of Emergency Vents – if equipped (indicate inches): _____

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam? ☐ Yes ☐ No

TANK #2:

Tank Type: _____ Compartmented: ☐ Yes ☐ No **If yes, number of compartments: ____

Product(s) Content in Tank: _____ Capacity of Tank: _____

Name of Tank Manufacturer: _____ Model of Tank: _____

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

Fill Connection Diameter (indicate inches): _____ Diameter of Working Vents (indicate inches): _____

Diameter of Emergency Vents – if equipped (indicate inches): _____

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam? ☐ Yes ☐ No

1. **Tank Information (Continued) –**

TANK #3:

Tank Type: _____ Compartmented: ☐ Yes ☐ No **If yes, number of compartments: ____

Product(s) Content in Tank: _____ Capacity of Tank: _____

Name of Tank Manufacturer: _____ Model of Tank: _____

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

Fill Connection Diameter (indicate inches): _____ Diameter of Working Vents (indicate inches): _____

Diameter of Emergency Vents – if equipped (indicate inches): _____

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam? ☐ Yes ☐ No

TANK #4:

Tank Type: _____ Compartmented: ☐ Yes ☐ No **If yes, number of compartments: ____

Product(s) Content in Tank: _____ Capacity of Tank: _____

Name of Tank Manufacturer: _____ Model of Tank: _____

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

Fill Connection Diameter (indicate inches): _____ Diameter of Working Vents (indicate inches): _____

Diameter of Emergency Vents – if equipped (indicate inches): _____

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam? ☐ Yes ☐ No

TANK #5:

Tank Type: _____ Compartmented: ☐ Yes ☐ No **If yes, number of compartments: ____

Product(s) Content in Tank: _____ Capacity of Tank: _____

Name of Tank Manufacturer: _____ Model of Tank: _____

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

Fill Connection Diameter (indicate inches): _____ Diameter of Working Vents (indicate inches): _____

Diameter of Emergency Vents – if equipped (indicate inches): _____

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam? ☐ Yes ☐ No

1. Tank Information (Continued) –
TANK #6:

Tank Type: _____ Compartmented: ☐ Yes ☐ No **If yes, number of compartments: ____

Product(s) Content in Tank: _____ Capacity of Tank: _____

Name of Tank Manufacturer: _____ Model of Tank: _____

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

Fill Connection Diameter (indicate inches): _____ Diameter of Working Vents (indicate inches): _____

Diameter of Emergency Vents – if equipped (indicate inches): _____

If the tanks do not have emergency vents, are they designed with a weak roof to shell seam? ☐ Yes ☐ No

a) From the tanks, what are the distances to nearest important buildings? _____ feet

b) From the tanks, what are the distances to property lines? _____ feet

c) Will the tanks be near any L.P. containers? ☐ Yes ☐ No If yes, how far away will they be? _____ feet

d) What type of spillage control facilities will be used? ☐ Dike ☐ Double-Wall Tank ☐ Remote Impoundment

e) What will be the capacity of the spillage control facilities? _____ gallons

2. Aboveground Piping -

a) Will the aboveground piping be substantially supported and protected against physical damage and excessive stresses? ☐ Yes ☐ No

b) Will the aboveground piping be provided with pressure relief devices that discharge to a suitable location? ☐ Yes ☐ No

c) Will the aboveground piping meet the requirements of ANSI B31, American National Standard Code for Pressure Piping? ☐ Yes ☐ No

d) Will there be a tank top dispenser on the aboveground storage tank? ☐ Yes ☐ No

3. Underground Piping -

The volume of which (including the volume of the underground pipes connected thereto) is ten percent (10%) or more beneath the surface, the underground piping on an aboveground storage tank must be permitted and installed by a Kentucky certified UPST Contractor and comply with NFPA.

CERTIFIED UPST COMPANY _____
NAME OF UPST INDIVIDUAL _____
UPST CERTIFICATION # _____ **EXPIRATION DATE** _____

a) Delivery Method: ☐ Pressurized ☐ Suction

b) Type: ☐ Steel ☐ FRP ☐ Approved Non-Metallic

3. Underground Piping (Continued) -

c) Will FRP and non-metallic piping be listed for use with alcohols and other oxygenated fuels? ☐ Yes ☐ No

d) Type of flexible connections: ☐ Swing Joints ☐ Approved Flexible Connectors

e) Depth of piping: _____ inches

f) Is secondary containment provided for product piping? ☐ Yes ☐ No

g) Indicate type of bedding and backfill around piping: ☐ Sand ☐ Pea Gravel ☐ Crushed Rock

h) Type of steel pipe used: ☐ Galvanized ☐ Black

i) Indicate degree of slope on piping (inches per foot): ☐ Level or ☐ ⅛ ☐ ¼ ☐ ½

j) If suction piping is used, indicate location of check valve: ☐ Tank ☐ Pump/Dispenser

k) If pressurized pipe is used, will approved leak detectors be used: ☐ Yes ☐ No
Type of approved leak detector: ☐ Mechanical ☐ Electronic

l) Indicate method of cathodic protection for steel piping: ☐ Anode ☐ Impressed Current

m) Indicate method of sacrificial anode attachment to piping:
☐ Cadweld ☐ Thermite Weld ☐ Mechanical Clamp

n) Steel pipe to be used for product lines: ☐ Schedule 40 ☐ Schedule 80

o) Steel couplings for product lines will be: ☐ Schedule 40 ☐ Schedule 80

p) Method of leak detection for piping: ☐ Tightness Testing ☐ Ground Water Monitoring
☐ Vapor Monitoring ☐ Interstitial Monitoring

4. Pumps & Dispensers -

a) Where will the pump/dispensers be located in relation to the tanks? ☐ Tank Top
☐ 5 to 49 Feet ☐ 50 Feet and Greater ☐ Directly Adjacent to the Dike Wall

b) Method of tank fill: ☐ Tank Top ☐ Remote

5. Bulk Plants -

a) Please indicate the distance from the load rack to nearest building, property line, and storage tanks:
_____ Feet to Building _____ Feet to Property Line _____ Feet to Storage Tanks

b) If the rack is a top loading type, will the final fuel control valve be of the self-closing type? ☐ Yes ☐ No

c) If the rack is a bottom load configuration, will an automatic overfill prevention system be provided?
☐ Yes ☐ No

Installation Requirements

- A valve shall be installed as close to the tank as practical if a connection is made to the liquid area of the tank.
- Class I liquids to be stored, the vent pipe outlets shall be at least twelve (12) feet above adjacent ground level.
- Class IA liquids to being stored, the tanks shall be equipped with pressure/vacuum venting devices.
- If the liquid being stored is other than a class I liquid, the vent pipe outlet shall be above the fill connection.

- If the tank is double or vaulted, the overfill prevention shall be provided.
- If the liquid being stored is a class I or class II liquid, the fill connection shall terminate within six (6) inches of the tank bottom.
- "**N*o smoking***" signs shall be provided in the area of the tanks.
- If the storage tank supplies a day tank, the day tank shall be provided with return piping that is a continuous run without traps or sags and that is of a larger diameter than the supply piping.
- If the fill connection point is other than at tank top, a check valve shall be provided to prevent back-flow from the system.
- The tanks shall be protected from vehicular damage if placed in a traffic area.
- If the tanks are located at a public facility or remote location, the tanks shall be enclosed in a chain link fence at least six (6) feet high.
- The tank outlets shall be equipped with some sort of anti-siphon device located as close as practical to the tank.
- Flexible connections shall be provided at every change of direction from the vertical to the horizontal, and vice versa.
- Non-metallic piping shall be properly installed per manufacturer's specification.
- Heating fuel dispensers shall be located at least twenty (20) feet from gasoline dispensers.
- Dispenser(s) shall be protected with crash post barriers to include aboveground storage tanks (AGST) if located in the path of vehicular travel.
- Shear valves shall be properly installed on pressurized piping runs.
- The pumps and dispensers shall be UL listed.
- All dispensers and pumps shall be at least: 20 feet from fixed source of ignition, 10 feet from property lines and 5 feet from any building opening.
- Some sort of emergency shut-off device shall be provided more than twenty (20) feet, but less than one hundred (100) feet from the dispensing area.
- The pipe sealant shall be compatible with product to be used.
- All wiring shall be installed in accordance with NFPA 70 (National Electrical Code).
- All electrical installations shall be performed by a Kentucky licensed Electrician and inspected by a Kentucky Certified Electrical Inspector.
- For bulk plants - in the load/unload area, an emergency drainage system shall be provided that will direct leakage or spillage to a safe location.

Fee Schedule

Installation plan review fee of $100.00 for the first tank and $50.00 for each additional tank is required for this specialized review. Piping system plan review fee is $100.00 (piping system includes valves, fill pipes, vents, leak detection, spill and overfill prevention, cathodic protection or associated components.) **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.

Material safety data sheets must accompany this application if the products to be stored are other than gasoline, diesel fuel, fuel oil, kerosene or lubricating oils.

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 and all other applicable standards as required. All answers in this application are true and accurate to the best of my knowledge.

_____ _____

CONTRACTOR (SIGNATURE) DATE

For Official Use Only

APPROVAL BY THE HAZARDOUS MATERIALS SECTION

LOCATION 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. Pursuant to KRS 227.300 and 815 KAR 10:060 the above listed installation is found to have substantially complied with the Kentucky "*Standards of Safety*".

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

Kentucky UNBRIDLED SPIRIT

Site Plan

A site 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.