



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
APPLICATION FOR LPG TANK INSTALLATION

THE COMPLETION AND SUBMITTAL OF THIS APPLICATION IS MANDATORY FOR THE INSTALLATION AND/OR RELOCATION OF ALL LPG TANKS IN EXCESS OF 2,000 GALLONS, IF THE AGGREGATE CAPACITY OF TANKS BEING INSTALLED EXCEEDS 4,000 GALLONS, AND FOR ALL LPG TANKS USED TO RECHARGE SMALLER CYLINDERS, INCLUDING VEHICLE REFUELING OPERATIONS, REGARDLESS OF CAPACITY

SUBMIT ONE COPY OF THIS APPLICATION AND REQUIRED SITE DRAWING TO:

Office Of The Illinois State Fire Marshal
Technical Services Division
100 W. Randolph Street Suite 4-600
Chicago, IL 60601

LOCATION OF TANK INSTALLATION

OWNER OF TANK/TANKS

BUSINESS NAME: ADDRESS: CITY/ZIP CODE: COUNTY/PHONE NUMBER: NAME OF LOCAL FIRE DEPARTMENT:
NAME: ADDRESS: CITY: ZIP:
ADDRESS: CITY: ZIP:

PERSON/COMPANY INSTALLING TANKS

REVIEW LETTER TO BE RETURNED TO:

NAME: ADDRESS: CITY: ZIP: PHONE:
NAME: ADDRESS: CITY: ZIP:

EMAIL ADDRESS:

- 1. NUMBER OF TANKS TO BE INSTALLED AT THIS TIME:
2. CAPACITY OF TANKS TO BE INSTALLED (GALLONS):
3. CONTENTS OF PROPOSED TANKS:
4. ARE THE TANKS TO BE INSTALLED: NEW OR USED: AGE OF TANKS
5. ARE OTHER EXISTING LPG STORAGE TANKS CURRENTLY LOCATED AT THIS FACILITY?
6. PURPOSE OF TANK INSTALLATION (Check all that apply):
7. WILL THE INSTALLATION CONFORM WITH THE REQUIREMENTS OF NFPA #58 (2011)?
8. ARE THE TANK(S) DESIGNED, FABRICATED, TESTED AND MARKED (BY A STAINLESS STEEL NAMEPLATE ATTACHED TO THE TANK) IN ACCORDANCE WITH NFPA 58 AND ASME CODE?
9. IF TANK(S) WAS NOT CONSTRUCTED PER ASME SPECS, TO WHAT SPECIFICATIONS WERE THE TANKS CONSTRUCTED?
10. WILL TANK(S) BE: FABRICATED ON SITE? OR PURCHASED PREFABED?

11. WILL TANK(S) BE INSTALLED:  ABOVEGROUND OR  UNDERGROUND?
12. ARE UNDERGROUND TANK(S) LISTED FOR THAT PURPOSE?  YES  NO
13. IF TANK(S) OR PIPING WILL BE INSTALLED UNDERGROUND, IS CORROSION RESISTANCE PROVIDED IN ACCORDANCE WITH NFPA 58?  YES  NO  NOT APPLICABLE
14. ARE TANKS THAT WILL CONTAIN UNODORIZED LPG MARKED "NOT ODORIZED" IN LETTERS AT LEAST 4 INCHES IN HEIGHT WITH A CONTRASTING BACKGROUND?  YES  NO  N.A.
15. IS TAMPER PROTECTION PROVIDED IN ACCORDANCE WITH NFPA #58?  YES  NO
16. WHAT IS THE METHOD OF TAMPER PROTECTION USED:  LOCKABLE CABINET  FENCING  
 OTHER (DESCRIBE): \_\_\_\_\_
17. IF FENCING SURROUNDING THE TANK IS THE METHOD OF TAMPER PROTECTION, INDICATE THE FOLLOWING:
- a) THE FENCING IS AT LEAST 6 FT. HIGH  YES  NO
- b) THE FENCING IS INDUSTRIAL TYPE, CHAIN LENGTH, OR EQUIVALENT  YES  NO
- c) TWO MEANS OF EGRESS ARE PROVIDED FROM THE ENCLOSURE OR THE ENCLOSURE QUALIFIES UNDER NFPA 58 FOR ONLY ONE GATE  YES  NO
- d) AT LEAST 3 FT. CLEAR PATH IS PROVIDED TO GATE  YES  NO
18. IS VEHICLE IMPACT PROTECTION PROVIDED IN ACCORDANCE WITH NFPA 58?  YES  NO
19. WHAT IS THE METHOD OF VEHICLE IMPACT PROTECTION?  FENCING  BOLLARDS  GUARD RAIL  
 OTHER (DESCRIBE): \_\_\_\_\_
20. IS THE DISTANCE FROM THE POINT OF DISCHARGE OF ANY RELIEF VALVE TO ANY BUILDING OPENING BELOW THE LEVEL OF SUCH DISCHARGE AT LEAST 5 FT?  YES  NO
21. IS THE DISTANCE FROM THE POINT OF DISCHARGE OF ANY RELIEF VALVE, THE LIQUID LEVEL GAUGE, AND THE FILL CONNECTION OF THE CONTAINER AT LEAST 10 FT. FROM ANY SOURCE OF IGNITION, INCLUDING DIRECT-VENT APPLIANCES AND MECHANICAL VENTILATION AIR INTAKES?  YES  NO
22. WILL ALL ELECTRICAL WIRING BE OF A TYPE SPECIFIED BY, AND INSTALLED IN ACCORDANCE WITH, NFPA 70 *National Electrical Code*<sup>®</sup>?  YES  NO
23. IS THE TANK(S), AND ANY PARTS, SEPARATED BY A MINIMUM OF 6 FT FROM THE VERTICAL PLANE BENEATH OVERHEAD ELECTRIC POWER LINES THAT ARE OVER 600 VOLTS, NOMINAL?  YES  NO
24. IS THE TANK(S) EQUIPPED WITH SPRING-LOADED PRESSURE RELIEF VALVES CONFORMING WITH ANSI/UL 132 OR OTHER EQUIVALENT PRESSURE RELIEF VALVE STANDARDS AS REQUIRED BY NFPA 58?  YES  NO
25. WHEN WAS THE LAST PRESSURE RELIEF VALVE TEST CONDUCTED?  
 THE VALVE/S ARE NEW  WITHIN THE LAST 10 YRS.  MORE THAN 10 YRS. AGO
26. IF OPERATIONS ARE CONDUCTED DURING OTHER THAN DAYLIGHT HOURS, IS LIGHTING PROVIDED TO ILLUMINATE STORAGE CONTAINERS, CONTAINERS BEING LOADED, CONTROL VALVES, AND OTHER EQUIPMENT?  YES  NO  NOT APPLICABLE
27. IS TANK(S) SECURELY ANCHORED TO PROTECT AGAINST FLOTATION DUE TO POSSIBLE HIGH FLOOD WATERS?  YES  NO IF NO, EXPLAIN:  
 \_\_\_\_\_
28. IF OTHER COMPRESSED GASES ARE TO BE STORED IN THE SAME AREA, IS EACH TANK MARKED WITH THE NAME OF THE PRODUCT CONTAINED?  YES  NO  NOT APPLICABLE
29. IF LIQUIDS WITH FLASH POINTS BELOW 200°F ARE STORED OR USED IN THE AREA OF THE LPG TANK(S), IS THE AREA GRADED OR ARE DIKES/CURBS PROVIDED TO PREVENT ACCUMULATION OF SUCH LIQUIDS UNDER THE LPG TANK(S)?  YES  NO  NOT APPLICABLE<sup>30</sup>.

30. IS TANK(S) TO BE MOUNTED:  HORIZONTALLY  VERTICALLY  
**(If tanks are mounted vertically, you must submit the OSFM's one-page "Vertical LPG Tank" supplement to this application).**
31. ARE HORIZONTAL ABOVEGROUND CONTAINERS PLACED ON MASONRY OR OTHER NONCOMBUSTIBLE SUPPORTS COMPLYING WITH NFPA 58?  YES  NO EXPLAIN: \_\_\_\_\_
32. IS THE PART OF THE CONTAINER IN CONTACT WITH SADDLES, FOUNDATIONS OR MASONRY COATED OR PROTECTED TO MINIMIZE CORROSION?  YES  NO EXPLAIN: \_\_\_\_\_
33. WILL ASSOCIATED PIPING COMPLY WITH NFPA 58?  YES  NO
34. ARE ANY PIPE SECTIONS THAT CAN CONTAIN LPG AND THAT CAN BE ISOLATED BY VALVING EQUIPPED WITH RELIEF VALVES?  YES  NO
35. ARE FIRST & SECOND STAGE REGULATORS IN COMPLIANCE WITH NFPA 58?  YES  NO  N/A
36. IF THE TRANSFER LOCATION IS NOT AT THE CONTAINER, DOES THE LOCATION COMPLY WITH NFPA 58?  
 YES  NO  N/A
37. FOR INDUSTRIAL PLANT, BULK PLANT, AND DISTRIBUTING POINT IS AT LEAST ONE APPROVED PORTABLE FIRE EXTINGUISHER HAVING A MINIMUM CAPACITY OF 18 LB OF DRY CHEMICAL WITH A B:C RATING PROVIDED. (FIRE EXTINGUISHERS SHALL BEAR A CURRENT INSPECTION TAG FROM AN OSFM LICENSED COMPANY)   
 YES  NO  N/A
37. WILL ONLY TRAINED INDIVIDUALS BE ALLOWED TO FILL, REFILL, DISPENSE FROM, OR CONDUCT REPAIRS ON THIS/THESE TANKS?  
 YES  NO (**Note: Self-Service of LPG by the general public is prohibited**)
38. LIST THE SEPARATION DISTANCE BETWEEN EACH OF THE PROPOSED LPG TANK/TANKS AND:

|   | LP TANK #1<br>_____ GALS | LP TANK #2<br>_____ GALS | LP TANK #3<br>_____ GALS | LP TANK #4<br>_____ GALS | LP TANK #5<br>_____ GALS |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| FLAMMABLE OR COMBUSTIBLE LIQUID STORAGE TANKS |                          |                          |                          |                          |                          |
| BUILDABLE PROPERTY LINES                      |                          |                          |                          |                          |                          |
| IMPORTANT BUILDINGS                           |                          |                          |                          |                          |                          |
| OTHER LPG TANKS                               |                          |                          |                          |                          |                          |

39. FOR INSTALLATIONS WITH AN AGGREGATE CAPACITY OF MORE THAN 4,000 GALLONS; AS WELL AS FOR ASME CONTAINERS ON ROOFS, IS FIRE PROTECTION PROVIDED IN ACCORDANCE WITH A WRITTEN FIRE SAFETY ANALYSIS?  YES  NO  N/A
40. WILL ANY INDOOR DISPENSING OF LP-GAS BE DONE FROM THIS TANK?  YES  NO  
**(If any indoor dispensing will be done, you must submit the OSFM's two-page "Indoor LPG Dispensing" supplement to this application).**

**THE UNDERSIGNED DEPOSES AND SAYS THAT THE INFORMATION AND STATEMENTS CONTAINED IN THIS APPLICATION ARE TRUE AND CORRECT AND ARE MADE FOR THE PURPOSE OF OBTAINING AN APPROVAL FROM THE OFFICE OF THE STATE FIRE MARSHAL FOR THE INSTALLATION OF LPG STORAGE TANKS. THE INSTALLATION SHALL BE MADE IN FULL ACCORD WITH THE CONDITIONS SET FORTH IN THE SUBMITTED APPLICATION & SITE DRAWINGS.**

NAME OF APPLICANT: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_

TITLE: \_\_\_\_\_ REPRESENTING: \_\_\_\_\_

DATE: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_ EMAIL: \_\_\_\_\_

**REMINDER: SITE PLANS, ARE REQUIRED TO ACCOMPANY ALL APPLICATIONS FOR INSTALLATION OR RELOCATION OF LPG TANKS**