OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
SUPPLEMENTAL LPG TANK APPLICATION
FOR INDOOR LPG DISPENSING

THE COMPLETION AND SUBMITTAL OF THIS SUPPLEMENTAL APPLICATION IS MANDATORY FOR THE CONSTRUCTION OR USE OF SEPARATE OR ATTACHED STRUCTURES OR ROOMS IN WHICH LPG WILL BE DISPENSED. THE APPLICATION MUST BE ACCOMPANIED BY PLANS, SHOWING THE BUILDING OR ATTACHED STRUCTURE. IF THE WORK INCLUDES THE INSTALLATION OR RELOCATION OF A LPG TANK THE MULTI-PAGE OSFM *"LPG TANK INSTALLATION APPLICATION"* MUST ACCOMPANY THIS FORM.

LOCATION OF INSTALLATION

BUSINESS NAME: _____

ADDRESS: _____

CITY/ZIP CODE: _____/_____

COUNTY: _____

OWNER OF FACILITY

NAME: _____

ADDRESS: _____

CITY: _____ZIP:_____

PHONE NUMBER (____) _____

NAME OF LOCAL FIRE DEPARTMENT _____

REVIEW LETTER TO BE RETURNED TO:

NAME: _____

ADDRESS: _____

CITY _____ZIP:_____

EMAIL ADDRESS: _____

1. LP-GAS DISPENSING WILL BE CONDUCTED WITHIN (CHECK ALL THAT APPLY):

☐ **A SEPARATE STRUCTURE OR BUILDING** (NOT ATTACHED TO ANOTHER BUILDING) (ANSWER QUESTIONS 2-9).

☐ **AN ATTACHED STRUCTURE** (SPACES WHERE 50% OR LESS OF THE PERIMETER OF THE ENCLOSED SPACE IS COMPRISED OF COMMON WALLS) (ANSWER QUESTIONS 2-5 AND 10).

☐ **A ROOM OR ROOMS WITHIN ANOTHER STRUCTURE** (SPACES WHERE MORE THAN 50% OF THE PERIMETER OF THE SPACE ENCLOSED IS COMPRISED OF COMMON WALLS) (ANSWER QUESTIONS 2-5 AND 11-15)

2. Will only trained employees of the company dispense from this tank? ☐ YES ☐ NO

3. Are walls, floors, ceilings, or roofs of the structure or rooms constructed of noncombustible materials? ☐ YES ☐ NO

4. Will the structure or room be ventilated using air inlets and outlets, the bottom of which shall be not more than 6 in. above the floor, and will ventilation be provided in accordance with the following:
   (a) Where mechanical ventilation is used, the rate of air circulation shall be at least 1 $ft^3/min/ft^2$ of floor area.
   (b) Outlets shall discharge at least 5 ft. from any opening into the structure or any other structure.
   (c) Where natural ventilation is used, each exterior wall shall be provided with one opening for each 20 ft. of length.
   (d) Each opening shall have a minimum size of 50 $in.^2$, and the total of all openings shall be at least 1 $in.^2/ft^2$ floor area?
   ☐ YES ☐ NO

PLEASE CONTINUE (THIS IS A TWO PAGE APPLICATION)

5. Will heating be by steam or hot water radiation or other heating transfer medium, with the heat source located outside of the building or structure or by electrical appliances listed for Class I, Division 1 or 2 as prescribed in NFPA 70, *National Electrical Code* (2011)?. ☐ YES ☐ NO ☐ NOT APPLICABLE

SEPARATE STRUCTURES OR BUILDINGS FOR DISPENSING LP-GAS

6. Will buildings or structures be one story in height? ☐ YES ☐ NO

7. Will the floor of the structure be above ground level? ☐ YES ☐ NO

8. Will any space beneath the floor be of solid fill, or the perimeter of the space be left entirely unenclosed? ☐ YES ☐ NO ☐ NOT APPLICABLE

9. Will the construction of exterior walls, ceilings, and roofs comply with # (a) or # (b) below?:
(a) Exterior walls and ceilings shall be of lightweight material designed for explosion venting.
(b) Walls or roofs of heavy construction, such as solid brick masonry, concrete block, or reinforced concrete construction, shall be provided with explosion venting windows that have an explosion venting area of at least 1 ft^2 for each 50 ft^3 of the enclosed volume.
☐ YES ☐ NO

ATTACHED STRUCTURES FOR DISPENSING LP-GAS

10. Do all common walls with other structures have the following features?
(a) A fire resistance rating of at least one (1) hour
(b) Where openings are required in common walls for rooms used only for storage of LPG, 1½-hour fire-rated doors
(c) A design that withstands a static pressure of at least 100 lb/ft^2
☐ YES ☐ NO

CONSTRUCTION OF ROOMS WITHIN STRUCTURES FOR DISPENSING LP-GAS.

11. Are rooms within structures used for LPG located on the first story?
☐ YES ☐ NO

12. Do rooms have at least one exterior wall with unobstructed free vents for freely relieving explosion pressures? ☐ YES ☐ NO

13. Walls, floors, ceilings, or roofs of the rooms shall be constructed of noncombustible materials ☐ YES ☐ NO

14. Are exterior walls and ceilings of lightweight material designed for explosion venting? ☐ YES ☐ NO

15. Are walls and roofs of heavy construction (such as solid brick masonry, concrete block, or reinforced concrete construction) provided with explosion venting windows or panels that have an explosion venting area of at least 1 ft^2 for each 50 ft^3 of the enclosed volume? ☐ YES ☐ NO ☐ NOT APPLICABLE

16. Do walls and ceilings common to the room and to the building within which it is located have the following features:
(1) A fire resistance rating of at least one (1) hour?
(2) Where openings are required in common walls for rooms used only for storage of LPG, 1½-hour fire-rated doors?
(3) A design that withstands a static pressure of at least 100 lb/ft^2.
☐ YES ☐ NO

NAME OF APPLICANT:_____ SIGNATURE:_____

TITLE:_____ REPRESENTING:_____

DATE: _____

REMINDER: PLANS INDICATING THE BUILDING OR ATTACHED STRUCTURE, ARE REQUIRED TO ACCOMPANY THIS APPLICATION

SUBMIT IN PDF FORMAT TO: SFM.Techservices@illinois.gov