



Arkansas Liquefied Petroleum Gas Board

CYLINDER FILLING EXAM

(Study Guide)

This study guide should be used by individuals seeking certification in DOT/ASME cylinder filling as preparation for taking the required exam. Prior to taking this exam, individuals must complete a minimum of 30 days of supervised on the job training and have a working understanding of the equipment utilized in filling both DOT and ASME cylinders as well as the proper filling procedures.

Study material is taken from both the Arkansas LP-Gas code book and the most recent addition of NFPA 58. A copy of the code book can be obtained by request from your inspector, contacting the agency office 501-683-4100, or by download from the agency website.

www.arkansaslpgasboard.com

The most recent edition of NFPA 58 can be obtained by contacting the National Fire Prevention Association either by phone 800-344-3555 or through their website.

www.nfpa.org

Arkansas Code Book:

- * PG 41: Section 10 sub (C)
- * PG 42: Section 10 sub (1)
- * PG 54: Section 13 sub (C)
- * PG 57: Section 13 sub (A1) Section 14 sub (A & B)
- * PG 69: Section 17 sub (U)
- * PG 76: Section 19 sub (H3b)
- * PG 97: All

NFPA 58: (2017 edition)

- * PG 73: Section 9.3.2.4 sub (C)
- * PG 123: Section Annex A.5.2.8.2
- * PG 135: Section Annex C.3.2.4.3
- * PG 142: Section F.5.2.2
- * PG 151: Section Index (A)
- * PG 154: Section Index (D)

Individuals taking the exam should be familiar with the following:

1. Characteristics of propane.
2. What effect ambient temperatures have in relation to the expansion of propane.
3. The formula used to set the scale for proper filling:

$$W.C. \text{ (water capacity)} \times .42 + T.W. \text{ (Tare Weight)}$$

4. What affect anhydrous ammonia has on brass.
5. The proper procedures for filling a RV.
6. Proper procedures to follow in the event of a fire.
7. The term P.O.L.
8. DOT CFR 49 180.209