Date of manufacture _____

(b) [Reserved]

[29 FR 18972, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amdt. 178–67, 46 FR 49906, Oct. 8, 1981]

§ 178.255–15 Report.

(a) A copy of the manufacturer's data report required by the Code (See § 178.245–1(a)) under which the tank is fabricated must be furnished to the owner for each new tank.

Place _____
Date _____
Portable tank
Manufactured for _____ Company
Location _____
Manufactured by _____ Company
Location _____
Consigned to _____ Company
Location _____
Size ____ feet outside diameter by ____long.
Marks on tank as prescribed by § 178.255–14 of this specification are as follows:
Manufacturer's name _____
Serial number _____
Owner's serial number _____
DOT specification _____
ASME Code Symbol (par U–201) _____
Date of manufacture _____
Nominal capacity _____ gallons.
It is hereby certified that this tank is in complete compliance with the requirements of *DOT specification No. 60.*
(Signed) _____
Manufacturer or owner

(b) [Reserved]

[29 FR 18972, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amdt. 178–83, 50 FR 11066, Mar. 19, 1985]

§ 178.270 Specification IM 101 and IM 102 steel portable tanks; general design and construction requirements.

§ 178.270–1 Specification requirements for IM 101 and IM 102 steel portable tanks.

(a) Each IM portable tank must meet the requirements of this section in addition to the requirements of § 178.271 (IM 101) or § 178.272 (IM 102). These requirements apply to IM portable tanks of diameters no greater than 2438 mm (96 inches) that are designed to carry liquids having a vapor pressure of less than 2.97 bar-absolute (43 psia) at a temperature of 50 °C (122 °F).

(b) [Reserved]

[Amdt. 178–65, 46 FR 9895, Jan. 29, 1981]

§ 178.270–2 General.

(a) Each tank, including attachments and service and structural equipment, must be designed to withstand, without loss of contents, the maximum internal pressure that can be anticipated to result from the contents and the static and dynamic stresses incurred in normal handling and transportation.

(b) For the purpose of this subchapter MAWP is the maximum pressure that an IM portable tank may experience during any normal operation (including loading and unloading). The only exception to this limitation is hydrostatic testing.

(c) Each portable tank must have a cross-sectional design that is capable of being stress analyzed either mathematically or by the experimental method contained in UG–101 of the ASME Code, or other method acceptable to the Associate Administrator.

(d) Each portable tank must be designed so that the center of gravity of the filled tank is approximately centered within the points of attachment for lifting devices.

(e) When credit is taken for insulation to reduce the required emergency venting capacity of safety relief devices, the insulation must be jacketed or otherwise protected from the accumulation of moisture or foreign matter that would decrease its efficiency or corrode the tank.

(f) Each portable tank that has a lining must have a lining material that meets the following requirements:

(1) The material used to line the tank must be—

(i) Substantially immune to attack by the hazardous material transported;

(ii) Homogeneous;

(iii) Nonporous;

(iv) Imperforated when applied;

(v) At least as elastic as the material of the tank shell; and

(vi) Have thermal-expansion characteristics compatible with the tank shell.

(2) The lining of the tank, tank fitting and piping must be—

(i) Attached by bonding or other satisfactory means;

(ii) Continuous; and