Report of Committee on Foam

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The report was submitted to letter ballot of the committee which consists of 25 members of whom 22 have voted affirmatively, 1 (Mr. Lockwood) has voted negatively, and 2 (Messrs. Lemke and Stentz) have not returned ballots.
Proposed Revisions to Standard for Foam Extinguishing Systems

NFPA No. 11 — 1974

1. Add the following material after the paragraph entitled “For Tanks Containing Other Flammable and Combustible Liquids Requiring Special Foams” in 322 and 422, and in a similar format:

FOR THE EXTINGUISHMENT OF SPILL FIRES

Where the primary purpose of the protection is for extinguishment of spill fires, the minimum discharge time shall be 10 minutes for fixed equipment. For portable equipment, the minimum discharge time shall be 15 minutes. For protection of diked areas designed to contain the contents of a storage tank, see Note 3 of Paragraph 601.

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Where the primary purpose of the protection is for extinguishment of spill fires, the minimum discharge time shall be 10 minutes for fixed equipment. For portable equipment, the minimum discharge time shall be 15 minutes. For protection of diked areas designed to contain the contents of a storage tank, see Note 3 of Paragraph 601.

2. Change the word “should” to “shall” in the first sentence of Paragraph 344, so as to read as follows:

344. Foam System Hydrants: Centralized fixed piping systems shall be provided . . .

3. Change the word “should” to “shall” in the second sentence of Paragraph 3413(a), so as to read: “The swing joint shall consist of a . . .”

4. Change the second “should” to “shall” in the third line of Paragraph 3413(b), so as to read: “When piping is supported above ground, it should have upward and lateral support as needed, but shall not be held down a distance of 50 feet from the tank . . .”

5. Add the words “within this distance” after the word “occur” in the last sentence of Paragraph 3413(b), so as to read: “If threaded connections occur within this distance, they should be back welded for strength.”
6. Revise the first sentence of Paragraph 3415 to read as follows:

3415. In systems with semi-fixed equipment on fixed roof tanks, the foam or solution laterals to each foam chamber shall terminate in connections which are at a safe distance from the tanks; outside of dikes and at least 50 feet from tanks of 50 feet diameter or less, and one tank diameter from the shell of larger tanks.

The remainder of the paragraph remains as printed.

7. Add the words “on fixed roof tanks” after the word “chamber” in the second sentence of Paragraph 343, so as to read: “The laterals to each foam chamber on fixed roof tanks shall be separately valved outside the dike in fixed installations.” The remainder of the paragraph is not changed.