

Agenda Item 650-612

Date April 18, 2005

**Title: Floating Roof Penetration Cautions**

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**Purpose: To expand and clarify the intent of the cautionary statement in C.3.4.3.**  
**Source: John Lieb's presentation at April 2005 Special Issues Meeting**

**Impact: Discourage tank owners from using devices that may potentially flood a floating roof with oil or sink it.**

**Rationale: Current wording of C.3.4.3 disallows penetrations that would allow product to flow onto the floating roof. Devices have been used by some tank owners that allow product to flow onto the roof. The proposed additional wording is intended to further clarify the intent of this cautionary statement. Refer to accompanying paper for additional information.**

**Existing Text**

C.3.4.3 Any penetration of the floating roof shall not allow product to flow onto the roof under design conditions.

**Proposed Changes**

C.3.4.3 Any penetration of the floating roof shall not allow product to flow onto the roof under design conditions. ***The sag of the roof deck under design conditions and the minimum design specific gravity (0.7) of the stored liquid shall be considered in establishing the minimum elevations of all roof penetrations.***