Policy: NSPS Requirements for Slotted Gauge Wells and Automatic Bleeder Vents on New External Floating Roof Tanks

Slotted Gauge Well Policy

In order to achieve no visible gap with a slotted gauge well:

- The float in the gauge well must extend from the liquid surface to the gauge well cover.
- The float must also have a flexible wipe-type seal.

Automatic Bleeder Valve Policy

Any pressure/vacuum (P/V) valve used as a bleeder vent must have its set pressure such that it will not relieve under normal operations.

Rationale

These NSPS requirements are more stringent than Regulation 8-5:

Regulation 8-5 allows a ½” gap but NSPS Subpart Ka and Kb require “no visible gap” (Section 60.112a(a)(1)(iii) and 60.112b(a)(2)(ii)).

Regulation 8-5 allows P/V valves to relieve at 0.5 psia or 10% of maximum allowable working pressure. Subpart Ka and Kb do not allow bleeder vents to relieve except when the roof is being floated off or is being landed on the roof leg supports. (Section 60.112a(a)(1)(iii) and 60.112b(a)(2)(ii)).

Effective Date

January 26, 1993

Contact

Pamela Leong, x5186

Document Control

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Approval

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