

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.
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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)).

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Document Control

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1.1	JA	New Policy	1/26/93
1.2	MCL	Mapping & Updating of Policy	3/13/08

Approval

Name & Title	Signature	Date
Brian Bateman, Director of Engineering	Signed by Brian Bateman	2/28/2008