

**ENVIRONMENTAL QUALITY AND
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PERMITS & COMPLIANCE

TECHNICAL GUIDANCE # TG-003

DATE: May 19, 1993

SUBJECT: Vapor vent/vacuum valves at
bulk plants and terminals

RULE: 350

Section 301.2 requires a tank to have a pressure vacuum valve set to within 10% of the tank's maximum, safe working pressure.

Underwriters Laboratories (UL) Standard 142 dated September 14, 1987 is titled "Steel Aboveground Tanks for Flammable & Combustible Liquids". It states that the design working pressure for these tanks is 0-1/2 PSIG. The Uniform Fire Code states that atmospheric tanks may be used for operating pressures not exceeding 1 PSIG.

We will therefore apply the 1/2 PSIG figure as the required setting for the pressure/vacuum valve. This would also be consistent with the CARB requirement.

This pressure setting requirement does not apply to tanks which are designed to be pressure vessels such as propane tanks.

Please be aware that these pressure/vacuum valves may be adjustable and so the setting should be verified. The same holds true if the tank has a separate emergency vent valve.

Carroll Dekle, Manager
Permits & Compliance

Jo Crumbaker, Manager
Planning