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Part 23, Section 23.14

Sector: 7040 - Primary Resources, Oil & Gas or Mineral Resources

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Submission:

Proposed guideline G23.15

Regulatory excerpt

23.15 Pressure relief device - when required

- (1) A vessel must have a pressure relief device set to relieve at a pressure not exceeding 103 kpag if the vessel is
- (a) not registered under the Safety Standards Act,
 - (b) connected to a production facility or compressor station, and
 - (c) not directly open to the atmosphere
- (2) A pressurized system, including any line running from the output side of a pressure relief device which may be subject to accidental restriction, must be protected by a pressure relief device.

Purpose of guideline

This guideline describes what is meant by 23.15(1)(c) and outlines what may be considered as providing the equivalent level of safety as a relief device.

Interpretation

Directly open to the atmosphere means no isolating device in the piping connected to the vessel and the piping sized and maintained so that the pressure in the equipment does not exceed its design or 103 kpag.

Design Considerations

1. the exit piping should be designed in accordance with API RP 521, Guide for Pressure Relieving and Depressuring Systems;
 2. Engineering design and procedural safeguards should be in place to eliminate risks with regards to all possible restrictions which could result in the pressure exceeding the system design or 103 kpag.
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