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# 40 C.F.R. § 65.104

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## Instrument and sensory monitoring for leaks.

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(a) *Monitoring for leaks.* The owner or operator of a regulated source subject to this subpart shall monitor regulated equipment as specified in paragraph (a)(1) of this section for instrument monitoring and paragraph (a)(2) of this section for sensory monitoring.

(1) *Instrument monitoring for leaks.* (i) Valves in gas/vapor service and in light liquid service shall be monitored pursuant to § 65.106(b).

(ii) Pumps in light liquid service shall be monitored pursuant to § 65.107(b).

(iii) Connectors in gas/vapor service and in light liquid service shall be monitored pursuant to § 65.108(b).

(iv) Agitators in gas/vapor service and in light liquid service shall be monitored pursuant to § 65.109(b).

(v) Pressure relief devices in gas/vapor service shall be monitored pursuant to § 65.111(b) and (c).

(vi) Compressors designated to operate with an instrument reading less than 500 parts per million as described in § 65.103(e) shall be monitored pursuant to § 65.112(f).

(2) *Sensory monitoring for leaks.* (i) Pumps in light liquid service shall be observed pursuant to § 65.107(b)(4) and (e)(1)(v).

(ii) Agitators in gas/vapor service and in light liquid service shall be observed pursuant to § 65.109(b)(3) or (e)(1)(v).

(b) *Instrument monitoring methods.* Instrument monitoring as required under this subpart shall comply with the requirements specified in paragraphs (b)(1) through (6) of this section.

(1) *Monitoring method.* Monitoring shall comply with Method 21 of appendix A of 40 CFR part 60, except as otherwise provided in this section.

(2) *Detection instrument performance criteria.* (i) Except as provided for in paragraph (b)(2)(ii) of this section, the detection instrument shall meet the performance criteria of Method 21 of appendix A of 40 CFR part 60, except the instrument response factor criteria in section 3.1.2(a) of Method 21 shall be for the representative composition of the process fluid not each individual organic compound in the stream. For process streams that contain nitrogen, air, water, or other inerts that are not organic hazardous air pollutants or volatile organic compounds, the response factor shall be determined on an inert-free basis. The response factor may be determined at any concentration for which monitoring for leaks will be conducted. Maintain the record specified by § 65.119(b)(8).

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