§ 63.1004 Instrument and sensory monitoring for leaks.

(a) Monitoring for leaks. The owner or operator of a regulated source subject to this subpart shall monitor all 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 and vapor service and in light liquid service shall be monitored pursuant to §63.1006(b).

(ii) Pumps in light liquid service shall be monitored pursuant to §63.1007(b).

(iii) Connectors in gas and vapor service and in light liquid service shall be monitored pursuant to §63.1008(b).

(iv) Agitators in gas and vapor service and in light liquid service shall be monitored pursuant to §63.1009(b).

(v) Pressure relief devices in gas and vapor service shall be monitored pursuant to §63.1011(c).

(vi) Compressors designated to operate with an instrument reading less than 500 parts per million as described in §63.1003(e), shall be monitored pursuant to §63.1012(f).

(2) Sensory monitoring for leaks. (i) Pumps in light liquid service shall be observed pursuant to §63.1007(b)(3) and (e)(1)(v).

(ii) Compressors designated to operate with an instrument reading less than 500 parts per million as described in §63.1003(e), shall be monitored pursuant to §63.1012(f).

§ 63.1004 Identification of equipment. The identity of equipment designated as no detectable emissions shall be recorded.

§ 63.1004 Identification of compressors operating under no detectable emissions. Identify the compressors that the owner or operator elects to designate as operating with an instrument reading of less than 500 parts per million above background, under the provisions of §63.1012(f).

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methane in air or n-hexane in air may be used if the instrument does not respond to methane or n-hexane or if the instrument does not meet the performance criteria specified in paragraph (b)(2)(i) of this section. In such cases, the calibration gas may be a mixture of one or more compounds to be measured in air.

(5) Monitoring performance. Monitoring shall be performed when the equipment is in regulated material service or is in use with any other detectable material.

(6) Monitoring data. Monitoring data obtained prior to the regulated source becoming subject to the referencing subpart that do not meet the criteria specified in paragraphs (b)(1) through (b)(5) of this section may still be used to initially qualify for less frequent monitoring under the provisions in §63.1006(a)(2), (b)(3) or (b)(4) for valves or §63.1012(f) (compressors). If an owner or operator elects to adjust instrument readings for background, the owner or operator shall monitor the equipment according to the procedures specified in paragraphs (c)(1) through (c)(4) of this section.

1. The requirements of paragraphs (b)(1) through (b)(5) of this section shall apply.

2. The background level shall be determined, using the procedures in Method 21 of 40 CFR part 60, appendix A.

3. The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible (as described in Method 21 of 40 CFR part 60, appendix A).

4. The arithmetic difference between the maximum concentration indicated by the instrument and the background level shall be compared to the applicable leak definitions for the monitored equipment to determine whether there is a leak or to determine compliance with §63.1011(b) (pressure relief devices in gas and vapor service) or §63.1012(f) (compressors).

(d) Sensory monitoring methods. Sensory monitoring, as required under this subpart, shall consist of detection of a potential leak to the atmosphere by visual, audible, olfactory, or any other detection method.

(e) Leaking equipment identification and records. (1) When each leak is detected pursuant to the monitoring specified in paragraph (a) of this section, a weatherproof and readily visible identification, marked with the equipment identification, shall be attached to the leaking equipment.

2. When each leak is detected, the information specified in §63.1005(e) shall be recorded and kept pursuant to the referencing subpart.

§63.1005 Leak repair.

(a) Leak repair schedule. The owner or operator shall repair each leak detected no later than 15 calendar days after it is detected, except as provided in paragraphs (c) and (d) of this section. A first attempt at repair shall be made no later than 5 calendar days