



Ohio Administrative Code

Rule 3745-205-57 Valves in gas or vapor service or in light liquid service - equipment leaks.

Effective: June 12, 2023

(A) Each valve in gas or vapor or light liquid service shall be monitored monthly to detect leaks by the methods specified in paragraph (B) of rule 3745-205-63 of the Administrative Code and shall comply with paragraphs (B) to (E) of this rule, except as provided in paragraphs (F), (G), and (H) of this rule, and rules 3745-205-61 and 3745-205-62 of the Administrative Code.

(B) If an instrument reading of ten thousand parts per million (ppm) or greater is measured, a leak is detected.

(C)

(1) Any valve for which a leak is not detected for two successive months may be monitored the first month of every succeeding quarter, beginning with the next quarter, until a leak is detected.

(2) If a leak is detected, the valve shall be monitored monthly until a leak is not detected for two successive months.

(D)

(1) When a leak is detected, the leak shall be repaired as soon as practicable, but no later than fifteen calendar days after the leak is detected, except as provided in rule 3745-205-59 of the Administrative Code.

(2) A first attempt at repair shall be made no later than five calendar days after each leak is detected.

(E) First attempts at repair include, but are not limited to, the following best practices where practicable:

(1) Tightening of bonnet bolts.



(2) Replacement of bonnet bolts.

(3) Tightening of packing gland nuts.

(4) Injection of lubricant into lubricated packing.

(F) Any valve that is designated, as described in paragraph (G)(2) of rule 3745-205-64 of the Administrative Code, for no detectable emissions, as indicated by an instrument reading of less than five hundred ppm above background, is exempt from the requirements of paragraph (A) of this rule if the valve:

(1) Has no external actuating mechanism in contact with the hazardous waste stream.

(2) Is operated with emissions less than five hundred ppm above background as determined by the method specified in paragraph (C) of rule 3745-205-63 of the Administrative Code.

(3) Is tested for compliance with paragraph (F)(2) of this rule initially upon designation, annually, and at other times as requested by the director.

(G) Any valve that is designated, as described in paragraph (H)(1) of rule 3745-205-64 of the Administrative Code, as an unsafe-to-monitor valve is exempt from the requirements of paragraph (A) of this rule if:

(1) The owner or operator of the valve determines that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraph (A) of this rule.

(2) The owner or operator of the valve adheres to a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times.

(H) Any valve that is designated, as described in paragraph (H)(2) of rule 3745-205-64 of the Administrative Code, as a difficult-to-monitor valve is exempt from the requirements of paragraph



(A) of this rule if:

(1) The owner or operator of the valve determines that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support surface.

(2) The hazardous waste management unit within which the valve is located was in operation prior to June 21, 1990.

(3) The owner or operator of the valve follows a written plan that requires monitoring of the valve at least once per calendar year.