

REGULATION 7.36 Standard of Performance for New Volatile Organic Compound Water Separators

Air Pollution Control District of Jefferson County Jefferson County, Kentucky

Relates To: KRS Chapter 77 Air Pollution Control

Pursuant To: KRS Chapter 77 Air Pollution Control

Necessity and Function: KRS 77.180 provides that the Air Pollution Control Board may make and enforce all needful orders, rules, and regulations necessary or proper to accomplish the purposes of KRS Chapter 77. This regulation provides for the control of emissions from new water separators.

SECTION 1 Applicability

This regulation applies to each affected facility, which means each oil-effluent water separator that recovers 200 gallons a day or more of any volatile organic compound from any equipment which processes, refines, stores, or handles hydrocarbons with a Reid vapor pressure of 0.5 pounds or greater, commenced construction, modification, or reconstruction after April 19, 1972.

SECTION 2 Definitions

Terms used in this regulation not defined herein shall have the meaning given them in Regulation 1.02.

- 2.1 "Enclosed container" means a vessel which entirely encloses the content except for pressure relief vents.
- 2.2 "Floating roof" means a vessel cover consisting of double deck, pontoon single deck, internal floating cover or covered floating roof, which rests upon and is supported by the liquid being contained, and is equipped with a closure seal or seals to close the space between the roof edge and vessel wall.
- 2.3 "Submerged fill pipe" means any fill pipe the discharge of which is entirely submerged when the liquid level is 6 inches above the bottom of the vessel; or when applied to a vessel which is loaded from the side, shall mean any fill pipe the discharge opening of which is entirely submerged when the liquid level is two times the fill pipe diameter above the tank.
- 2.4 "Vapor recovery system" means a vapor gathering system capable of collecting all hydrocarbon vapors and gases discharged from a vessel and a vapor disposal system capable of processing such hydrocarbon vapors and gases so as to prevent their emission to the atmosphere.
- 2.5 "Volatile organic compound water separator" means any tank box, sump, or other container in which any VOC or product thereof, floating on or entrained or contained in water entering such tank, box, sump, or other container, is physically separated and removed from such water prior to outfall, drainage, or recovery of such water.

SECTION 3 Standard for Hydrocarbon

The emissions of all hydrocarbon vapors and gases shall be reduced 90% by weight. All gauging and sampling devices shall be gas tight except when gauging and/or sampling is in progress.

Standards may be met by employing one or more of the following features: floating roof, submerged fill pipes, or a vapor recovery system.

SECTION 4 Compliance

An affected facility shall be in compliance on start up.

Adopted v1/4-19-72; effective 4-19-72; amended v2/7-14-76 effective 9/1/76; v3/6-13-79, v4/01-17-18.

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2nd Revision:	03/23/18	07/11/19	84 FR 33004