

REGULATION 7.14 Standard of Performance for Selected New Petroleum Refining Processes and Equipment

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 hydrocarbon emissions from selected new petroleum refining processes and equipment.

SECTION 1 Applicability

This regulation applies to each affected facility commenced on or after the effective date of this regulation.

SECTION 2 Definitions

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

- 2.1 "Affected facility" means vacuum producing systems and process unit turnarounds associated with a petroleum refinery.
- 2.2 "Process unit turnaround" means the shutting down, depressurization, and purging of a process unit or vessel.
- 2.3 "Vacuum producing systems" means equipment which produces a partial vacuum in a vessel.

SECTION 3 Standard for Hydrocarbons

The owner or operator of an affected facility shall install, operate, and maintain all equipment necessary to accomplish the following:

- 3.1 Vacuum producing systems. All gaseous hydrocarbons emitted from condensers, hot wells, vacuum pumps, and accumulators shall be collected and vented to a firebox, flare or other control device of equivalent efficiency as determined by the District; and
- 3.2 Process unit turnaround. The gaseous hydrocarbons purged from a process unit or vessel shall be vented to a firebox, flare, or other control device of equivalent efficiency as determined by the District until the pressure in the process unit is less than 5 psig.

SECTION 4 Monitoring and Reporting Requirements

- 4.1 The owner or operator shall:
 - 4.1.1 Keep a record of each process unit turnaround,
 - 4.1.2 Record the approximate hydrocarbon concentration when the hydrocarbons were first discharged to the atmosphere, and
 - 4.1.3 Record the approximate total quantity of hydrocarbons emitted to the atmosphere.
- 4.2 The owner or operator shall retain the records for at least two years and submit them to the District upon request.

Adopted v1/7-14-76; effective 6-13-79.

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