

operator of such plant that the alternative program will provide plant personnel and Agency personnel with an ability equivalent to the monitoring, recordkeeping or reporting requirements of this Part to identify and repair leaking components. The owner or operator utilizing an alternative monitoring program shall submit to the Agency an alternative monitoring program plan consistent with the provisions of Section 215.431.

(Source: Added at 11 Ill. Reg. 20829, effective December 14, 1987)

Section 215.437 Open-Ended Valves

- a) Each open-ended valve shall be equipped with a cap, blind flange, plug, or a second valve, except during operations requiring fluid flow through the open-ended valve.
- b) Each open-ended valve equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.
- c) Open-ended valves which serve as a sampling connection shall be equipped with a closed purge system or closed vent system such that:
 - 1) Purged process fluid shall be returned to the process line with zero VOC emissions to atmosphere, or
 - 2) Purged process fluid shall be collected and recycled to the process line with zero volatile organic material emissions to atmosphere.

(Source: Added at 11 Ill. Reg. 20829, effective December 14, 1987)

Section 215.438 Compliance Date

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Sections 215.430 through 215.438 shall comply with the standards and limitations of those Sections no later than December 31, 1987.

(Source: Added at 11 Ill. Reg. 20829, effective December 14, 1987)

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS

Section 215.441 Petroleum Refinery Waste Gas Disposal

- a) Except as provided in subsection (b) or (c), no person shall cause or allow the discharge of organic materials in excess of 100 ppm equivalent methane (molecular weight 16.0) into the atmosphere from:
 - 1) Any catalyst regenerator of a petroleum cracking system; or
 - 2) Any petroleum fluid coker; or

- 3) Any other waste gas stream from any petroleum or petrochemical manufacturing process.

b) Exception. Existing sources subject to subsection (a)(3) may, alternatively, at their election, comply with the organic material emission limitations imposed by Section 215.301 or 215.302; provided, however, that there shall be no increase in emissions from such sources above the level of emissions in existence on May 3, 1979.

c) New Sources. Sources subject to subsection (a)(3), construction of which commenced on or after January 1, 1977, may, at their election, comply with the following emission limitations:

- 1) A maximum of eight pounds per hour of organic material; or
- 2) Emission of organic material in excess of the limitation of subsection (c)(1) is allowable if such emissions are controlled by air pollution control methods or equipment approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would otherwise be emitted to the atmosphere.

(Source: Amended at 11 Ill. Reg. 124, effective July 28, 1979)

Section 215.442 Vacuum Producing Systems

No owner or operator of a petroleum refinery shall cause or allow the operation of any vacuum producing system unless the condensers, hot wells and accumulators of any such system are equipped with vapor loss control equipment including, but not limited to, piping, valves, flame arrestors and hot well covers to vent any volatile organic material with a vapor pressure of 10.34 kPa (1.5 psia) or greater at 294.3°K (70°F) to a heater, fire box, flare, refinery fuel gas system or other equipment or system of equal emission control as approved by the Agency. This Section shall not apply to vacuum producing systems on-tube units.

(Source: Amended at 12 Ill. Reg. 815, effective December 24, 1987)

Section 215.443 Wastewater (Oil/Water) Separator

No owner or operator of a petroleum refinery shall operate any wastewater (oil/water) separator at a petroleum refinery unless the separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. If no odor nuisance exists, the limitation of this Section shall not apply if the vapor pressure of the organic material is below 10.34 kPa (1.5 psia) at 294.3°K (70°F) at all times.