**Section 703.210 Process Vents**

Except as otherwise provided in 35 Ill. Adm. Code 724.101, the owner or operator of a facility that has process vents to which Subpart AA of 35 Ill. Adm. Code 724 applies must provide the following additional information:

a) For facilities that cannot install a closed-vent system and control device to comply with Subpart AA of 35 Ill. Adm. Code 724 on the effective date on which the facility becomes subject to that Subpart or Subpart AA of 35 Ill. Adm. Code 725, an implementation schedule, as specified in 35 Ill. Adm. Code 724.933(a)(2).

b) Documentation of compliance with the process vent standards in 35 Ill. Adm. Code 724.932, including the following:

1) Information and data identifying all affected process vents, annual throughput and operating hours of each affected unit, estimated emission rates for the affected vent and for the overall facility (i.e., the total emissions for all affected vents at the facility), and the approximate location within the facility of each affected unit (e.g., identify the hazardous waste management units on a facility plot plan);

2) Information and data supporting estimates of vent emissions and emission reduction achieved by add-on control devices based on engineering calculations or source tests. For the purpose of determining compliance, estimates of vent emissions and emission reductions must be made using operating parameter values (e.g., temperatures, flow rates, or concentrations) that represent the conditions that exist when the waste management unit is operating at the highest load or capacity level reasonably expected to occur; and

3) Information and data used to determine whether or not a process vent is subject to 35 Ill. Adm. Code 724.932.

c) Where an owner or operator applies for permission to use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system to comply with 35 Ill. Adm. Code 724.932, and chooses to use test data to determine the organic removal efficiency or the total organic compound concentration achieved by the control device, a performance test plan as specified in 35 Ill. Adm. Code 724.935(b)(3).

d) Documentation of compliance with 35 Ill. Adm. Code 724.933, including the following:

1) A list of all information references and sources used in preparing the documentation.

2) Records, including the dates of each compliance test required by 35 Ill. Adm. Code 724.933(k).

3) A design analysis, specifications, drawings, schematics, piping, and instrumentation diagrams based on the appropriate sections of "APTI Course 415: Control of Gaseous Emissions", USEPA publication number EPA-450/2-81-005, incorporated by reference in 35 Ill. Adm. Code 720.111(a), or other engineering texts approved by the Agency that present basic control device information. The design analysis must address the vent stream characteristics and control device parameters as specified in 35 Ill. Adm. Code 724.935(b)(4)(C).

4) A statement signed and dated by the owner or operator certifying that the operating parameters used in the design analysis reasonably represent the conditions that exist when the hazardous waste management unit is or would be operating at the highest load or capacity level reasonably expected to occur.

5) A statement signed and dated by the owner or operator certifying that the control device is designed to operate at an efficiency of 95 weight percent or greater, unless the total organic emission limits of 35 Ill. Adm. Code 724.932(a) for affected process vents at the facility can be attained by a control device involving vapor recovery at an efficiency less than 95 weight percent.

BOARD NOTE: Derived from 40 CFR 270.24 (2017).

(Source: Amended at 42 Ill. Reg. 20993, effective November 19, 2018)