

TITLE 326 AIR POLLUTION CONTROL BOARD

LSA Document #87-109(F)

DIGEST

Amends 326 IAC 14 to revise the applicability section, 326 IAC 14-1-1, and certain requirements in 326 IAC 14-8, emission standards for equipment leaks. Adds 326 IAC 14-9, which sets emissions limitations for benzene from furnace coke oven by-product recovery plants.

326 IAC 14-1-1	326 IAC 14-8-2
326 IAC 14-1-2	326 IAC 14-8-3
326 IAC 14-1-3	326 IAC 14-8-4
326 IAC 14-1-4	326 IAC 14-8-5
326 IAC 14-8-1	326 IAC 14-9

SECTION 1. 326 IAC 14-1-1, as added at 11 IR 2562, SECTION 1, is amended to read as follows:

326 IAC 14-1-1 Applicability

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 1. (a) The provisions of 326 IAC 14 apply to the owner or operator of any stationary source for which a standard is prescribed under this article (326 IAC 14).

(b) ~~The air pollution control board hereby adopts by reference and incorporates herein 40 Code of Federal Regulations (CFR) Part 61, Subpart A, "General Provisions" concerning emission standards for hazardous air pollutants, as they existed on July 1, 1984 and no later amendments, with the exception of the following sections:~~

- 61.04—Address
- ~~61.11—Waiver of Compliance~~
- 61.11(f)—Administrator's Authority on Waiver of Compliance
- 61.12(d)—Alternative Means of Emission Limitation
- ~~61.15~~ 61.16—Availability of Information
- ~~61.16~~ 61.17—State Authority

and as modified in ~~section 2 below~~ 326 IAC 14-1-2. Provisions of waiver of compliance in 40 CFR 61 Section 61.11, Subpart A, shall not apply to sources subject to the requirements established in 326 IAC 14-9. (*Air Pollution Control Board; 326 IAC 14-1-1; filed Mar 10, 1988, 1:20 pm; 11 IR 2562; filed Apr 13, 1988, 3:30 pm; errata, 11 IR 3047*)

SECTION 2. 326 IAC 14-1-2, as added at 11 IR 2562, SECTION 1, is amended to read as follows:

326 IAC 14-1-2 Definitions

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 2. (a) For the purposes of this article (326 IAC 14), the definitions, ~~except for the substitutions listed in (b) below,~~ abbreviations and units listed in 40 CFR 61, Subpart A, Sections 61.02 and 61.03 ~~Subpart A, 40 CFR 61, July 1, 1984 and no later amendments,~~ shall apply with the exception of subsection (b) of this section.

(b) For the purposes of this article (326 IAC 14), the following substitutions shall be made for terms used in the portions of 40 CFR Part 61 adopted ~~here~~ by reference:

- (1) ~~The word "Administrator" shall mean~~ means the ~~air pollution control board commissioner of the state of Indiana department of environmental management.~~
- (2) ~~The words "U.S. Environmental Protection Agency" or "U.S. EPA" shall mean~~ means the ~~air pollution control board of the state of Indiana department of environmental management.~~

(*Air Pollution Control Board; 326 IAC 14-1-2; filed Mar 10, 1988, 1:20 pm; 11 IR 2562; filed Apr 13, 1988, 3:30 pm; errata, 11 IR 3047*)

SECTION 3. 326 IAC 14-1-3, as added at 11 IR 2562, SECTION 1, is amended to read as follows:

326 IAC 14-1-3 More stringent limitations apply

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 3. If ~~the~~ emission limitations contained in this article (326 IAC 14) conflict with or are inconsistent with any other emission limitations established by title 326, then the more stringent limit shall apply. (*Air Pollution Control Board; 326 IAC 14-1-3; filed Mar 10, 1988, 1:20 pm; 11 IR 2562; filed Apr 13, 1988, 3:30 pm; errata, 11 IR 3047*)

SECTION 4. 326 IAC 14-1-4, as added at 11 IR 2562, SECTION 1, is amended to read as follows:

326 IAC 14-1-4 Federal regulations

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 4. ~~The federal regulations adopted by reference appear in the Code of Federal Regulations, Title 40, Part 61, as revised July 1, 1984 and no later amendments.~~

Copies of the Code of Federal Regulations (CFR) ~~or Federal Register (FR)~~ referenced in this article (326 IAC 14) may be obtained from the Government Printing Office, Washington, D.C. 20402. Copies of the said

material are also available from the Indiana Department of Environmental Management, Office of Air Management, 105 South Meridian Street, Indianapolis, Indiana 46225. All citations to the CFR in this article (326 IAC 14) refer to the version cited in 326 IAC 1-1-3. (*Air Pollution Control Board; 326 IAC 14-1-4; filed Mar 10, 1988, 1:30 pm; 11 IR 2562; filed Apr 13, 1988, 3:30 pm; errata, 11 IR 3047*)

SECTION 5. 326 IAC 14-8-1, as added at 11 IR 2564, SECTION 1, is amended to read as follows:

**326 IAC 14-8-1 Applicability**

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 1. (a) The provisions of this rule (326 IAC 14-8) apply to each of the following sources that are intended to operate in volatile hazardous air pollutant (VHAP) service: pumps, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, flanges and other connectors, product accumulator vessels, and control devices or systems required by this rule (326 IAC 14-8).

(b) The air pollution control board adopts by reference and incorporates herein 40 CFR Part 61, Subpart V, Emission Standard for Equipment Leaks (Fugitive Emission Sources), as published in the Code of Federal Regulations on July 1, 1984, and no later amendments with the exception of revisions to sections 61.241, 61.245, 61.246, and 61.247 as specified in 326 IAC 14-8-2 through 326 IAC 14-8-5.

Copies of the Code of Federal Regulations (CFR) may be obtained from the Government Printing Office, Washington, D.C. 20402 or from the Indiana Department of Environmental Management, Office of Air Management, 105 South Meridian Street, Indianapolis, Indiana 46225. (*Air Pollution Control Board; 326 IAC 14-8-1; filed Mar 10, 1988, 1:30 pm; 11 IR 2564; filed Apr 13, 1988, 3:30 pm; errata, 11 IR 3047*)

SECTION 6. 326 IAC 14-8, as added at 11 IR 2564, SECTION 1, is amended by adding a new section to read as follows:

**326 IAC 14-8-2 Definitions**

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 2. (a) For the purposes of this rule (326 IAC 14-8), the definitions, except for those defined in this section, listed in 40 CFR 61, Subpart V, Section 61.241 shall apply.

"Repaired" means that equipment is adjusted, or otherwise altered, to eliminate a leak as indicated by

one of the following: an instrument reading of ten thousand (10,000) ppm or greater, detectable emissions as indicated by an instrument reading of five hundred (500) ppm or greater above a background concentration, indication of liquids dripping, or indication by a sensor that a seal system or barrier fluid system has failed.

"Stuffing box pressure" means the fluid (liquid or gas) pressure inside the casing or housing of a piece of equipment, on the process side of the inboard seal. (*Air Pollution Control Board; 326 IAC 14-8-2; filed Apr 13, 1988, 3:30 pm*)

SECTION 7. 326 IAC 14-8, as added at 11 IR 2564, SECTION 1, is amended by adding a new section to read as follows:

**326 IAC 14-8-3 Test methods and procedures**

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 3. (a) For the purposes of this rule (326 IAC 14-8), the introductory paragraph of 40 CFR 61, Subpart V, Section 61.245(b), Test Methods and Procedures, shall read as follows: "Monitoring, as required in 40 CFR 61, Subpart V, Sections 61.242, 61.243, 61.244 and 326 IAC 14-9-5, shall comply with the following requirements:"

(b) For the purposes of this rule (326 IAC 14-8), the introductory paragraph of 40 CFR 61, Subpart V, Section 61.245(c) shall read as follows: "When equipment is tested for compliance with no detectable emissions, the test shall comply with the following requirements:"

(c) For the purposes of this rule (326 IAC 14-8), 40 CFR 61, Subpart V, Section 61.245(d)(3) shall read as follows: "Samples used in determining the percent VHAP content shall be representative, as determined by the commissioner, of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare." (*Air Pollution Control Board; 326 IAC 14-8-3; filed Apr 13, 1988, 3:30 pm*)

SECTION 8. 326 IAC 14-8, as added at 11 IR 2564, SECTION 1, is amended by adding a new section to read as follows:

**326 IAC 14-8-4 Recordkeeping requirements**

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 4. (a) For the purposes of this rule (326 IAC 14-8), introductory sentences in 40 CFR 61, Subpart V, Section 61.246, Recordkeeping Requirements, (b), (c), and (e), paragraphs (e)(2)(i), (e)(2)(ii), (e)(4)(i), and (h)(1) shall read as in subsections (b), (c), (d), (e), (f), (g), and (h) of this section, respectively.

(b) "When each leak is detected as specified in 40 CFR 61, Subpart V, Sections 61.242-2, 61.242-3, 61.242-7, 61.242-8, and 326 IAC 14-9-5, the following requirements apply:"

(c) "When each leak is detected as specified in 40 CFR 61, Subpart V, Sections 61.242-2, 61.242-3, 61.242-7, 61.242-8, and 326 IAC 14-9-5, the following information shall be recorded in a log and shall be kept for two (2) years in a readily accessible location:"

(d) "The following information pertaining to all equipment to which a standard applies shall be recorded in a log that is kept in a readily accessible location:"

(e) "A list of identification numbers for equipment that the owner or operator elects to designate for no detectable emissions, as indicated by an instrument reading of less than five hundred (500) ppm above background"

(f) "The designation of this equipment for no detectable emissions shall be signed by the owner or operator"

(g) "The dates of each compliance test required in 40 CFR 61, Subpart V, Sections 61.242-2(e), 61.242-3(i) [sic., 61.242-3(i)], 61.242-4, 61.242-7(f), and 326 IAC 14-9-5(g)"

(h) "Design criterion required in 40 CFR 61, Subpart V, Section 61.242-2(d)(5), 61.242(e)(2), and 326 IAC 14-9-5(e)(4) and an explanation of the design criterion; and". (*Air Pollution Control Board; 326 IAC 14-8-4; filed Apr 13, 1988, 3:30 pm*)

**SECTION 9.** 326 IAC 14-8, as added at 11 IR 2564, SECTION 1, is amended by adding a new section to read as follows:

**326 IAC 14-8-5 Reporting requirements**

**Authority:** IC 13-1-1-4; IC 13-7-7

**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

**Sec. 5.** (a) For the purposes of this rule (326 IAC 14-8), 40 CFR 61, Subpart V, Section 61.247(b)(5), **Reporting Requirements**, shall read as follows: "The results of all performance tests to determine compliance with no detectable emissions and with 40 CFR 61, Subpart V, Sections 61.243-1 and 61.243-2 conducted within the semiannual reporting period."

Copies of the Code of Federal Regulations (CFR) may be obtained from the Government Printing Office, Washington, D.C. 20402 or from the Indiana Department of Environmental Management, Office of Air Management, 105 South Meridian Street, Indianapolis, Indiana 46225. All citations to the CFR in this article (326 IAC 14) refer to the version cited in 326 IAC 1-1-3.

(*Air Pollution Control Board; 326 IAC 14-8-5; filed Apr 13, 1988, 3:30 pm; errata, 11 IR 3047*)

**SECTION 10.** 326 IAC 14, as added at 11 IR 2562, SECTION 1, is amended by adding a new rule to read as follows:

**Rule 9.** Emission Limitations for Benzene from Furnace Coke Oven By-Product Recovery Plants

**326 IAC 14-9-1 Applicability**

**Authority:** IC 13-1-1-4; IC 13-7-7

**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

**Sec. 1.** The provisions of this rule (326 IAC 14-9) apply to each of the following sources at furnace coke by-product recovery plants located in Lake and Porter Counties: light-oil sumps, final coolers, final-cooler cooling towers, and the following equipment that are intended to operate in benzene service: pumps, valves, exhausters, pressure relief devices, sampling connection systems, open-ended valves or lines, flanges or other connectors, and control devices or systems required by 326 IAC 14-9-5, Standards for Equipment Leaks. For the purposes of its volatile organic compound emissions, once a plant becomes a furnace coke by-product recovery plant, it will continue to be considered a furnace coke by-product recovery plant under this rule (326 IAC 14-9), regardless of the type of coke produced in the future. (*Air Pollution Control Board; 326 IAC 14-9-1; filed Apr 13, 1988, 3:30 pm*)

**326 IAC 14-9-2 Definitions**

**Authority:** IC 13-1-1-4; IC 13-7-7

**Affected:** IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

**Sec. 2.** All terms not defined herein shall have the meaning given them in 326 IAC 14-1, in 326 IAC 14-8, and the following terms shall have the specific meanings provided below.

"Annual coke production" means the coke produced in the batteries connected to the coke by-product recovery plant over a twelve (12) month period. The first twelve (12) month period concludes on the first December 31 that comes at least twelve (12) months after the effective date of 326 IAC 14-9, or after the date of initial startup if it is after the effective date.

"In benzene service" means a piece of equipment, other than an exhauster, that either contains or contacts a fluid (liquid or gas) that is at least ten percent (10%) benzene by weight or any exhauster that either contains or contacts a fluid (liquid or gas) at least one percent (1%) benzene by weight as determined by the provisions of 326 IAC 14-9-8(b).

"Coke by-product recovery plant" means any facility designed and operated for the separation and recovery

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of coal tar derivatives (by-products) evolved from coal during the coking process of a coke oven battery.

"Direct-water final cooler" means a final cooler in which the recirculating water, the cooling medium, is in direct contact with the coke oven gas.

"Equipment" means each pump, valve, exhauster, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in benzene service.

"Exhauster" means a fan located between the inlet gas flange and outlet gas flange of the coke oven gas line that provides motive power for coke oven gases.

"Final cooler" means an equipment used to reduce the temperature of the coke oven gas to improve light-oil absorption in the light-oil scrubber.

"Final-cooler cooling tower" means an equipment used to cool the final cooler water.

"Foundry coke" means coke that is produced from raw materials with less than twenty-six percent (25%) volatile material by weight and that is subject to a coking period of twenty-four (24) hours or more.

"Foundry coke by-product recovery plant" means a by-product recovery plant connected to coke batteries whose annual coke production is at least seventy-five percent (75%) foundry coke.

"Furnace coke" means coke produced in by-product ovens that is not foundry coke.

"Furnace coke by-product recovery plant" means a coke by-product recovery plant that is not a foundry coke by-product recovery plant.

"Light-oil sump" means any tank, pit, enclosure, or slop tank in light-oil recovery operations that functions as a wastewater separation device for hydrocarbon liquids on the surface of the water.

"Semiannual" means a six (6) month period; the first semiannual period concludes on the last day of the last full month during the one hundred eighty (180) days following initial startup for new sources; and the first semiannual period concludes on the last day of the last full month during the one hundred eighty (180) days after the promulgation of this rule (326 IAC 14-9) for existing sources.

"Tar-bottom final cooler" means a final cooler in which the water, after it has cooled the coke oven gas, is forced through a pool of tar.

"Wash-oil circulation tank" means any vessel that functions to hold the wash oil used in light-oil recovery operations or the wash oil used in the wash-oil final cooler.

"Wash-oil decanter" means any vessel that functions to separate, by gravity, the condensed water from the wash oil received from a wash-oil final cooler or from a light-oil scrubber.

"Wash-oil final cooler" means a final cooler in which wash-oil is used as the cooling medium. (*Air Pollution Control Board: 326 IAC 14-9-2; filed Apr 13, 1988, 3:30 pm*)

### 326 IAC 14-9-3 Light-oil sumps

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 3. (a) The provisions of this section apply to the owner or operator of light-oil sumps.

(1) Each owner or operator of a light-oil sump shall enclose and seal the liquid surface in the sump to form a closed system to contain the emissions.

(2) Subdivision (1) shall not apply if, the owner or operator elects to install, operate, and maintain a vent on the light-oil sump cover. Each vent pipe must be equipped with a water leg seal, a pressure relief device, or vacuum relief device.

(3) Subdivision (1) shall not apply if, the owner or operator elects to install, operate, and maintain an access hatch on each light-oil sump cover. Each access hatch must be equipped with a gasket and a cover seal or lid that must be kept in a closed position at all times, unless in actual use.

(4) The light-oil sump cover may be removed for periodic maintenance but must be replaced with a seal at completion of the maintenance operation.

(b) The venting of steam or other gases from the by-product process to the light-oil sump is not permitted.

(c) Following the installation of any control equipment used to meet the requirements of subsection (a), the owner or operator shall monitor semiannually the connections and seals on each control system to determine if it is operating with no detectable emissions, using 40 CFR Part 60, Appendix A, Method 21, and the procedures specified in 326 IAC 14-8-3(b) and 40 CFR Part 61, Subpart V, Section 61.245(c). The owner or operator also shall conduct on a semiannual basis a visual inspection of each source including sealing materials for evidence of visible defects such as gaps or tears.

(1) If an instrument reading indicates an organic chemical concentration of more than 500 ppm above a background concentration, as measured by 40 CFR Part 60, Appendix A, Method 21, a leak is detected.

(2) If visible defects such as gaps in sealing materials are observed during visual inspection, a leak is detected.

(3) A first attempt at repair of any leak or visible defect shall be made no later than five (5) calendar

days after each leak is detected.

(4) When a leak is detected, it shall be repaired as soon as practicable, but not later than fifteen (15) calendar days after it is detected.

*(Air Pollution Control Board; 326 IAC 14-9-3; filed Apr 13, 1988, 3:30 pm)*

**326 IAC 14-9-4 Final coolers and final-cooler cooling towers**

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 4. No benzene emissions are allowed from final coolers and final-cooler cooling towers at coke oven by-product recovery plants. *(Air Pollution Control Board; 326 IAC 14-9-4; filed Apr 13, 1988, 3:30 pm)*

**326 IAC 14-9-5 Equipment leaks**

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 5. (a) Each owner or operator of equipment in benzene service shall comply with the requirements of 326 IAC 14-8 and 40 CFR 61, Subpart V, except as provided in this section.

(b) The provisions of 40 CFR 61, Subpart V, Sections 61.242-3 and 61.242-9, do not apply to this rule (326 IAC 14-9).

(c) Each piece of equipment in benzene service to which this rule (326 IAC 14-9) applies shall be marked in such a manner that it can be distinguished readily from other pieces of equipment.

(d) Each exhauster shall be monitored quarterly to detect leaks by the methods specified in 326 IAC 14-8-3(a) and in 40 CFR 61, Subpart V, Section 61.245(b) except as provided in subsections (e), (f), and (g) of this section and in 326 IAC 14-9-6(c).

(1) If an instrument reading of ten thousand (10,000) ppm or greater is measured, a leak is detected.

(2) When a leak is detected, it shall be repaired as soon as practicable, but no later than fifteen (15) calendar days after it is detected, except as provided in 40 CFR 61, Subpart V, Section 61.242-10(a) and (b). A first attempt at repair shall be made no later than five (5) calendar days after each leak is detected.

(e) Each exhauster equipped with a seal system that includes a barrier fluid system and that prevents leakage of process fluids to the atmosphere is exempt from the requirements of subsection (d) provided the following requirements are met:

(1) Each exhauster seal system is:

(A) operated with the barrier fluid at a pressure

that is greater than the exhauster stuffing box pressure: or

(B) equipped with a barrier fluid system that is connected by a closed vent system to a control device that complies with the requirements of 40 CFR 61, Subpart V, Section 61.242-11; or

(C) equipped with a system that purges the barrier fluid into a process stream with zero (0) benzene emissions to the atmosphere.

(2) The barrier fluid is not in benzene service.

(3) Each barrier fluid system shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both.

(4) Each sensor as described in subsection (e)(3) of this section shall be checked daily or shall be equipped with an audible alarm.

(5) The owner or operator shall determine, based on design consideration and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both.

(6) If the sensor indicates failure of the seal system, the barrier system, or both, based on the criterion determined under subsection (e)(5) of this section, a leak is detected.

(7) When a leak is detected, it shall be repaired as soon as practicable, but not later than fifteen (15) calendar days after it is detected, except as provided in 40 CFR 61, Subpart V, Section 61.242-10.

(8) A first attempt at repair shall be made no later than five (5) calendar days after each leak is detected.

(f) An exhauster is exempt from the requirements of subsection (d) of this section if it is equipped with a closed vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of 40 CFR 61, Subpart V, Section 61.242-11 except as provided in subsection (g) of this section.

(g) Any exhauster that is designated, as described in 326 IAC 14-8-4(d), (e), (f), and (g) and in 40 CFR 61, Subpart V, Section 61.246(e) for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of subsection (d) of this section if the exhauster:

(1) is demonstrated to be operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the methods specified in 326 IAC 14-8-3(b) and in 40 CFR 61, Subpart V, Section 61.245(c); and

(2) is tested for compliance with subsection (g)(1) of this section initially upon designation, annually, and at other times requested by the commissioner.

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(h) Any exhauster that is in vacuum service is excluded from the requirements of this rule (326 IAC 14-9) if it is identified as required in 326 IAC 14-8-4(d) and in 40 CFR 61, Subpart V, Section 61.246(e)(5). (*Air Pollution Control Board; 326 IAC 14-9-5; filed Apr 13, 1988, 3:30 pm*)

### 326 IAC 14-9-6 Compliance determinations

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 6. (a) Each owner or operator subject to the provisions of this rule (326 IAC 14-9) shall demonstrate compliance with the requirements of 326 IAC 14-9-3 through 326 IAC 14-9-5 for each new and existing source, except as provided under 40 CFR 61, Subpart V, Sections 61.243-1 and 61.243-2.

(b) Compliance with this rule (326 IAC 14-9) shall be determined by a review of records, review of performance test results, inspections, or any combination thereof, using the methods and procedures specified in 326 IAC 14-9-8.

(c) For any requests for permission to use an alternative to the work practices required under 326 IAC 14-9-5, the provisions of 40 CFR 61, Subpart V, Section 61.244 shall apply. (*Air Pollution Control Board; 326 IAC 14-9-6; filed Apr 13, 1988, 3:30 pm*)

### 326 IAC 14-9-7 Compliance schedule

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 7. (a) Each owner or operator shall comply with the requirements of 326 IAC 14-9-3 prior to June 30, 1989.

(b) Each owner or operator shall comply with the requirements of 326 IAC 14-9-5 prior to November 30, 1988.

(c) Each owner or operator shall comply with the requirements of 326 IAC 14-9-4 prior to December 31, 1990, and shall accomplish the following tasks according to the schedule provided in subdivisions (1), (2), (3), and (4) of this section.

- (1) Submit by August 31, 1988, a compliance plan to the department of environmental management containing specific control measures for achieving compliance.
- (2) Award contracts for emission control systems or process changes for emission control by August 31, 1989.
- (3) Begin on-site construction of emission control system or process changes by April 1, 1990.
- (4) Complete on-site construction of all emission control systems or process changes and achieve final compliance by December 31, 1990.

(d) Each owner or operator subject to the provisions of this rule (326 IAC 14-9) shall be in compliance with the requirements specified in subsections (a) and (c) of this section if the coke oven by-product recover [sic.] plant is not in operation.

(e) Each owner or operator shall submit a written statement providing evidence to the commissioner within 30 days of each applicable date specified in subsections (a), and (b), subdivisions (c)(1), (c)(2), (c)(3) and (c)(4) of this section that the requirements of this section have been implemented. (*Air Pollution Control Board; 326 IAC 14-9-7; filed Apr 13, 1988, 3:30 pm*)

### 326 IAC 14-9-8 Test methods and procedures

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 8. (a) Each owner or operator subject to the provisions of this rule shall comply with the requirements in 326 IAC 14-8-3 and in 40 CFR 61, Subpart V, Section 61.245.

(b) To determine whether or not a piece of equipment is in benzene service, the methods in 40 CFR 61, Subpart V, Section 61.245(d) and in 326 IAC 14-8-3(c) shall be used, except that, for exhausters, the percent benzene shall be one percent (1%) by weight rather than the ten percent (10%) by weight described in 40 CFR 61, Subpart V, Section 61.245(d). (*Air Pollution Control Board; 326 IAC 14-9-8; filed Apr 13, 1988, 3:30 pm*)

### 326 IAC 14-9-9 Recordkeeping and reporting requirements

Authority: IC 13-1-1-4; IC 13-7-7

Affected: IC 13-1-1-1; IC 13-1-1-4; IC 13-7-1-1; IC 13-7-7-2

Sec. 9. (a) The following information pertaining to the design of control equipment installed to comply with 326 IAC 14-9-3 and 326 IAC 14-9-4 shall be recorded and kept in a readily accessible location:

- (1) Detailed schematics, design specifications, and piping and instrumentation diagrams.
- (2) The dates and descriptions of any changes in the design specifications.

(b) The following information pertaining to sources subject to 326 IAC 14-9-3 shall be recorded and maintained for two (2) years following each semiannual inspection and each annual maintenance inspection:

- (1) The date of the inspection and the name of the inspector.
- (2) A brief description of each visible defect in the source or control equipment and the method and date of repair of the defect.
- (3) The presence of a leak, as measured using the method described in 326 IAC 14-8-3(b) and in 40 CFR 61, Subpart V, Section 61.245(c). The record

shall include the date of attempted and actual repair and method of repair of the leak.

(4) A brief description of any system abnormalities found during the annual maintenance inspection, the repairs made, the date of attempted repair, and the date of actual repair.

(c) Each owner or operator of a source subject to 326 IAC 14-9-5 shall comply with 326 IAC 14-8-4 and 40 CFR 61, Subpart V, Section 61.246.

(d) The provisions of this section apply to an owner or operator of any source to which this rule (326 IAC 14-9) applies.

(1) The owner or operator shall submit a written statement to the commissioner providing information specified in subdivisions (2), (3) and (4) of this subsection.

(2) In the case of an existing source or a new source which has an initial startup date preceding the effective date, the statement shall be submitted within ninety (90) days of the effective date, or on a date specified by the commissioner along with the information required under 40 CFR 61, Subpart A, Section 61.10(a)(1) through 61.10(a)(6).

(3) In the case of new sources that did not have an initial startup date preceding the effective date, the statement shall be submitted with the application for approval of construction, as described in 40 CFR 61, Subpart A, Section 61.07.

(4) The owner or operator shall include in the statement the following information for each source:

(A) Type of source such as a light-oil sump, pump or final cooler.

(B) For equipment in benzene service, equipment identification number and process unit identification; percent by weight benzene in the fluid at the equipment; and process fluid state in the equipment (gas/vapor or liquid).

(C) Method of compliance with the standard such as use of a wash-oil final cooler, monthly leak detection and repair, or equipped with dual mechanical seals.

(e) A report shall be submitted to the commissioner semiannually starting six (6) months after the initial reports required in subsection (d) of this section and 40 CFR 61, Subpart A, Section which includes the following information:

(1) For sources subject to 326 IAC 14-9-3,

(A) a brief description of any visible defect in the source or ductwork,

(B) the number of leaks detected and repaired, and

(C) a brief description of any system abnormalities found during each annual maintenance

inspection that occurred in the reporting period and the repairs made.

(2) For equipment in benzene service subject to 326 IAC 14-9-5(a), information required by 326 IAC 14-8-5(a) and in 40 CFR 61, Subpart V, Section 61.247(b).

(3) For each exhauster subject to 326 IAC 14-9-5 for each quarter during the semiannual reporting period:

(A) the number of exhausters for which leaks were detected as described in 326 IAC 14-9-5(d) and 326 IAC 14-9-5(e)(6);

(B) the number of exhauster [sic.] for which leaks were repaired as required in 326 IAC 14-9-5(d), 326 IAC 14-9-5(e)(7), and 326 IAC 14-9-5(e)(8);

(C) the results of performance tests to determine compliance with 326 IAC 14-9-5(g) conducted within the semiannual reporting period;

(4) A statement signed by the owner or operator stating whether all requirements of 326 IAC 14-9 have been fulfilled during the semiannual reporting period.

(5) Revisions to items reported according to subsection (d) of this section if changes have occurred since the initial report or subsequent revisions to the initial report. Compliance with the requirements of 40 CFR 61, Subpart A, Section 61.10(c), is not required for revisions documented under subsection (e) of this section.

(f) In the first report submitted as required in subsection (d) of this section, the report shall include a reporting schedule stating the months that semiannual reports shall be submitted. Subsequent reports shall be submitted according to that schedule unless a revised schedule has been submitted in a previous semiannual report.

(g) An owner or operator electing to comply with the provisions of 40 CFR 61, Subpart V, Sections 61.243-1 and 61.243-2 shall notify the commissioner of the alternative standard selected 90 days before implementing either of the provisions.

(h) An application for approval of construction or modification, as required under 40 CFR 61, Subpart A, Sections 61.05(a) and 61.07, will not be required for sources subject to 326 IAC 14-9-5 if:

(1) The new or modified source complies with 326 IAC 14-9-5.

(2) In the next semiannual report required by subsection (e) of this section, the information described in subsection (d)(4) of this section is included.

\*Copies of the July 1, 1986, Code of Federal Regulations (CFR) may be obtained from the Government

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## Final Rules

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Printing Office, Washington, D.C. 20402 or from the  
Indiana Department of Environmental Management,  
Office of Air Management, 105 South Meridian Street,  
Indianapolis, Indiana 46225. (*Air Pollution Control  
Board; 326 IAC 14-9-9; filed Apr 13, 1988, 3:30 pm*)

*LSA Document #87-109(F)*

*Proposed Rule Published: August 1, 1987; 10 IR 2512*

*Hearing Held: August 26, 1987*

*Approved by Attorney General: April 4, 1988*

*Approved by Governor: April 12, 1988*

*Filed with Secretary of State: April 13, 1988, 3:30 pm*

*Incorporated Documents filed with Secretary of State:  
40 CFR 61*