
TITLE 326 AIR POLLUTION CONTROL BOARD

LSA Document #00-68(F)

DIGEST

Amends 326 IAC 15-1-2 concerning source-specific provisions for the control of lead emissions. Amends 326 IAC 15-1-3 concerning control of fugitive lead dust. Adds 326 IAC 20-13 concerning national emissions standards for hazardous air pollutants (NESHAP) for secondary lead smelters. Effective 30 days after filing with the secretary of state.

HISTORY

First Notice of Comment Period: August 1, 1996, Indiana Register (19 IR 3219).

Second Notice of Comment Period and Notice of First Hearing: April 1, 1999, Indiana Register (22 IR 2342).

Notice of Rescheduled Hearing: June 1, 1999, Indiana Register (22 IR 2893).

Notice of Rescheduled Hearing: August 1, 1999, Indiana Register (22 IR 3498).

Notice of Rescheduled Hearing: October 1, 1999, Indiana Register (23 IR 38).

Notice of Hearing: January 1, 2000, Indiana Register (23 IR 833).

Date of First Hearing: February 2, 2000.

Third Notice of Comment Period and Notice of Second Hearing: April 1, 2000, Indiana Register (23 IR 1678).

Second Hearing: June 7, 2000

326 IAC 15-1-2

326 IAC 15-1-3

326 IAC 20-13

SECTION 1. 326 IAC 15-1-2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 15-1-2 Source-specific provisions

Authority: IC 13-14-8; IC 13-17-3-4

Affected: IC 13-17

Sec. 2.

(c) Operation and maintenance programs shall be designed to prevent deterioration of control equipment performance. For sources listed in subsection (a)(1) through (a)(7), these programs shall be submitted to the department of environmental management, office of air management, on or before June 1, 1987. For sources listed in ~~subsections (a)(8) through subsection~~ (b), these programs shall be submitted to the office of air management on or before February 1, 1988. These programs will be incorporated into the individual source operation permits.

**Copies of the Code of Federal Regulations (CFR) may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana 46206-6015. (Air

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Pollution Control Board; 326 IAC 15-1-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2564; errata filed Jul 6, 1988, 1:00 p.m.: 11 IR 3921; filed Jun 14, 1989, 5:00 p.m.: 12 IR 1850; filed Aug 8, 1991, 10:00 a.m.: 14 IR 2203; filed Dec 17, 1992, 5:00 p.m.: 16 IR 1379; errata filed Mar 10, 1993, 5:00 p.m.: 16 IR 1832; filed Mar 28, 1994, 5:00 p.m.: 17 IR 1878; errata, 17 IR 2080; filed May 31, 1994, 5:00 p.m.: 17 IR 2233; errata filed Jun 10, 1994, 5:00 p.m.: 17 IR 2356; filed Jan 6, 1999, 4:23 p.m.: 22 IR 1427; filed Dec 1, 2000, 2:22 p.m.: 24 IR 954)

SECTION 2. 326 IAC 15-1-3 IS AMENDED TO READ AS FOLLOWS:

326 IAC 15-1-3 Control of fugitive lead dust

Authority: IC 13-14-8; IC 13-17-3-4
Affected: IC 13-11; IC 13-17

Sec. 3. All sources listed in section 2 of this rule shall comply with the following requirements:

(1) No source shall create or maintain outdoor storage of bulk materials containing more than one percent (1.0%) lead by weight of less than two hundred (200) mesh size particles.

(2) All materials containing more than one percent (1.0%) lead by weight of less than two hundred (200) mesh size particles shall be transported in closed containers or shall be transported by enclosed conveying systems that are vented to the atmosphere through particulate matter control equipment or shall be transported wet.

(3) Control programs shall be designed to minimize emissions of lead from all nonprocess fugitive emission points. The programs shall include good housekeeping practices for the cleanup of spills and for minimizing emissions from loading and unloading areas as applicable. For sources listed in section 2(a)(1) through 2(a)(7) 2(a) of this rule, these programs shall be submitted to the department of environmental management, office of air management, on or before June 1, 1987. For sources listed in section 2(a)(8) through 2(b) of this rule, these programs shall be submitted to the department of environmental management, office of air management, on or before February 1, 1988. These programs will be incorporated into the individual source operation permits.

(Air Pollution Control Board; 326 IAC 15-1-3; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2566; errata filed Jul 6, 1988, 1:00 p.m.: 11 IR 3921; filed Jun 14, 1989, 5:00 p.m.: 12 IR 1853; filed Dec 1, 2000, 2:22 p.m.: 24 IR 958)

SECTION 3. 326 IAC 20-13 IS ADDED TO READ AS FOLLOWS:

Rule 13. Secondary Lead Smelters

326 IAC 20-13-1 Applicability; incorporation by reference of federal standards

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 1. (a) This rule applies to the following affected sources, as defined in 40 CFR 63.542*, at all secondary lead smelters:

- (1) Blast, reverberatory, rotary, and electric melting furnaces.
- (2) Refining kettles.
- (3) Agglomerating furnaces.
- (4) Dryers.
- (5) Process fugitive sources.
- (6) Fugitive dust sources.

(b) This rule does not apply to primary lead smelters, lead refiners, or lead remelters.

(c) The air pollution control board incorporates by reference 40 CFR 63, Subpart X, National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting, 62 FR 32216* (June 13, 1997), with the exception of the following sections:

- (1) 63.543(a) and 63.543(j) concerning lead standards for process sources.
- (2) 63.544(c), 63.544(d), and 63.544(g) concerning lead standards for process fugitive sources.
- (3) 63.545(e) concerning lead standards for fugitive dust emissions.
- (4) 63.543(h) and 63.543(i) concerning compliance demonstrations for process sources.
- (5) 63.544(e) and 63.544(f) concerning compliance demonstrations for process fugitive sources.
- (6) 63.548(e) concerning bag leak detection system requirements.

*Copies of the Code of Federal Regulations (CFR) and Federal Registers (FR) referenced in this rule may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. *(Air Pollution Control Board; 326 IAC 20-13-1; filed Dec 1, 2000, 2:22 p.m.: 24 IR 958)*

326 IAC 20-13-2 Emission limitations; lead standards for Quemetco, Incorporated

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 2. (a) In addition to the requirements under section 1 of this rule, Quemetco, Inc., Indianapolis shall comply with the following emission limitations and operating provisions:

Facility Description	Emission Limitation
	mg/dscm
Stack 100	1.0
Stack 101	0.5
Stack 102	0.5
Stack 103	0.5

Stack 104	0.5
Stack 105	0.5
Stack 106	0.5
Stack 107	0.5
Stack 108	0.5
Stack 109	0.5
Stack 111	1.0

Process fugitive and fugitive dust emissions from stacks 101 through 109 shall be vented to the atmosphere through high efficiency particulate air (HEPA) filters as defined in 40 CFR 63.542*.

(b) New or reconstructed affected sources, as defined in 40 CFR 63.542*, not described in subsection (a), shall comply with the emission limitations under section 4 of this rule.

*Copies of the Code of Federal Regulations (CFR) referenced in this rule may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Board; 326 IAC 20-13-2; filed Dec 1, 2000, 2:22 p.m.: 24 IR 958*)

326 IAC 20-13-3 Emission limitations; lead standards for Exide Corporation

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
 Affected: IC 13-15; IC 13-17

Sec. 3. (a) In addition to the requirements under section 1 of this rule, Exide Corporation, Muncie shall comply with the following emission limitations and operating provisions:

<u>Facility Description</u>	<u>Emission Limitation mg/dscm</u>
Ventilation baghouse	0.5
Refinery baghouse	0.5
Bin room baghouse	0.5
North scrubber	1.0
South scrubber	1.0
Battery breaker scrubber	0.5

(b) New or reconstructed affected sources, as defined in 40 CFR 63.542*, not described in subsection (a), shall comply with the emission limitations under section 4 of this rule, except the requirement for HEPA filters shall not apply if the new or reconstructed sources are vented to control devices operating prior to the effective date of this rule. (*Air Pollution Control Board; 326 IAC 20-13-3; filed Dec 1, 2000, 2:22 p.m.: 24 IR 959*)

326 IAC 20-13-4 Emission limitations; other secondary lead smelters

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
 Affected: IC 13-15; IC 13-17

Sec. 4. In addition to the requirements under section 1 of this rule, the owner or operator of any secondary lead smelter not described under section 2 or 3 of this rule shall comply with the following emission limitations and operating provisions:

<u>Facility Description</u>	<u>Emission Limitation mg/dscm</u>
Process stacks	1.0
Process fugitive stacks	0.5
Stacks venting fugitive dust sources	0.5

Process fugitive emissions and stacks venting fugitive dust sources shall be vented to the atmosphere through high efficiency particulate air (HEPA) filters as defined in 40 CFR 63.542*.

*Copies of the Code of Federal Regulations (CFR) referenced in this rule may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Board; 326 IAC 20-13-4; filed Dec 1, 2000, 2:22 p.m.: 24 IR 959*)

326 IAC 20-13-5 Operational and work practice standards

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
 Affected: IC 13-15; IC 13-17

Sec. 5. The owner or operator of a secondary lead smelter must install and continuously operate a bag leak detection system for all baghouses controlling process and process fugitive sources. In accordance with 40 CFR 63.548(g)* and 40 CFR 63.548(h), baghouses equipped with HEPA filters or used exclusively for the control of fugitive dust emissions are exempt from this requirement. The owner or operator must maintain and operate each baghouse controlling process and process fugitive sources such that the following conditions are met:

- (1) The alarm on the system does not activate for more than five percent (5%) of the total operating time in a six (6) month reporting period.
- (2) Procedures to determine the cause of the alarm are initiated within one (1) hour of the alarm according to the standard operating procedures manual for corrective action required under 40 CFR 63.548*.

*Copies of the Code of Federal Regulations (CFR) referenced in this rule may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Environmental Management, Office of Air Management, Indiana Government Center-North, Tenth Floor, 100 North

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Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Board; 326 IAC 20-13-5; filed Dec 1, 2000, 2:22 p.m.: 24 IR 959*)

326 IAC 20-13-6 Compliance testing

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 6. (a) Except as provided in subsection (b), the owner or operator of a secondary lead smelter shall conduct a compliance test for lead compounds from process stacks on an annual basis, no later than twelve (12) calendar months following the previous compliance test.

(b) If a compliance test demonstrates a source emitted lead compounds from process stacks less than or equal to fifty percent (50%) of the applicable limit under this rule during the compliance test, the owner or operator of a secondary lead smelter shall be allowed up to twenty-four (24) calendar months from the previous compliance test to conduct the next compliance test for lead compounds.

(c) The owner or operator of a secondary lead smelter shall conduct a compliance test for lead compounds from process fugitive stacks and fugitive dust stacks on the following schedule:

(1) Process fugitive stacks shall be tested on a biennial basis, no later than twenty-four (24) months following the previous compliance test.

(2) Fugitive dust stacks shall conduct an initial compliance test only and shall not be required to conduct testing on an annual or biennial basis.

Nothing in this subsection shall prohibit the department from requesting a compliance test in accordance with 326 IAC 2-1.1-11.

(d) The following shall apply to tests conducted to demonstrate compliance with the emission limitations under sections [*sic.*, section] 2, 3, or 4 of this rule:

(1) The owner or operator shall use the appropriate test methods under 40 CFR 63.547*.

(2) Test notification and reporting shall comply with 326 IAC 3-6.

(e) Performance testing of process sources conducted prior to the effective date of this rule shall be subject to the testing schedule of 40 CFR 63.543(i)*. Performance testing of sources conducted within twenty-four (24) months prior to the effective date of this rule that demonstrates compliance with the emission limitations in sections 2 through 4 of this rule shall be considered valid compliance tests for purposes of this rule.

*Copies of the Code of Federal Regulations (CFR) referenced in this rule may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Environmental Manage-

ment, Office of Air Management, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Board; 326 IAC 20-13-6; filed Dec 1, 2000, 2:22 p.m.: 24 IR 960*)

326 IAC 20-13-7 Compliance requirements

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 7. (a) Owners and operators of secondary lead smelters shall maintain purchasing records and manufacturer's specifications of all high efficiency particulate air (HEPA) filters installed on process fugitive and fugitive dust stacks demonstrating the filters have been certified by the manufacturer to meet the definition of HEPA filters in 40 CFR 63.542*. The records and manufacturer's specifications shall be maintained on site for three (3) years and shall be available for an additional two (2) years.

(b) The owner or operator of any secondary lead smelter shall comply with the following opacity limitations:

(1) Stacks exhausting process, process fugitive emissions, or fugitive dust emissions shall not exceed five percent (5%) opacity from particulate matter emissions for any one (1) six (6) minute averaging period as measured by 40 CFR 60, Appendix A, Reference Method 9*.

(2) Exterior dust handling systems of dry collectors of lead emitting processes (augers, hoppers, transfer points) shall not discharge to the atmosphere visible emissions in excess of five percent (5%) of an observation period consisting of three (3) twenty (20) minute periods, as determined by 40 CFR 60, Appendix A, Reference Method 22*. The provisions under this subdivision for dust handling systems shall not apply during maintenance and repair of the dust handling systems. During maintenance and repair of the dust handling system, the owner or operator shall take reasonable measures to prevent or minimize fugitive dust emissions.

(3) The opacity limitations in this subsection shall only apply to particulate matter emissions.

(c) In addition to the requirements of 40 CFR 63.8*, 40 CFR 63.10*, and 40 CFR 63.547(e)*, an owner or operator of any secondary lead smelter using a total enclosure shall do the following:

(1) Submit a plan describing the installation and operation of a continuous monitoring system that meets the requirements of 40 CFR 63.547(e)(2). The plan shall be postmarked or hand delivered to the department one hundred twenty (120) days prior to installation of the continuous monitoring system.

(2) Within one hundred eighty (180) days after written approval of the monitoring system plan by the department, install and operate a continuous monitoring system to measure and record pressure differential. The continuous monitoring system shall consist of the following:

- (A) A differential pressure sensor capable of measuring pressure within a range of two-hundredths (0.02) to two-tenths (0.2) millimeter of mercury (one-hundredth (0.01) to one-tenth (0.1) inch water).
- (B) A processor.
- (C) An alarm.
- (D) A continuous recording device.

Any changes to the location or operation of the system shall require prior written approval by the department.

- (3) Initiate corrective actions within thirty (30) minutes of a monitoring system alarm.
- (4) Request, if desired, to cease monitoring pressure differential under this subsection twelve (12) months from the commencement date of approved monitoring or the effective date of this rule, whichever is later.
- (5) Notify the department of any physical changes including, but not limited to, ventilation capacity and building size. If the department determines the net affect [*sic., effect*] of any such changes may potentially affect air pressure readings of the building, then the owner or operator shall resume monitoring for an additional twelve (12) months. Monitoring may be discontinued in accordance with the procedures under subdivision (4).
- (6) Maintain the following on site for a period of three (3) years and have available for an additional two (2) years:
 - (A) Records of the pressure differential.
 - (B) Logs of monitoring system alarms, including date and time.
 - (C) Logs of corrective actions, including date and time.

(d) The owner or operator shall demonstrate compliance with the bag leak detection system requirements under section 5 of this rule, if applicable, by submitting reports showing that the alarm on the system does not activate for more than five percent (5%) of the total operating time in a six (6) month period or two hundred nineteen (219) hours, if operated for four thousand three hundred eighty (4,380) hours in the six (6) month period, whichever is less. The percentage of total operating time the alarm on the bag leak detection system activates shall be calculated as follows:

- (1) Do not include alarms that occur due solely to a malfunction of the bag leak detection system in the calculation.
- (2) Do not include alarms that occur during startup, shutdown, and malfunction in the calculation if:
 - (A) the condition is described in the startup, shutdown, and malfunction plan; and
 - (B) the owner or operator follows all the procedures in the plan defined for this condition.
- (3) Count the actual time it takes the owner or operator to identify and correct the cause of the alarm, excluding any time that the process is shut down for repair.
- (4) Calculate the percentage of time the alarm on the bag leak detection system activates as the ratio of the sum of alarm times to the total operating time multiplied by one hundred (100).

(e) The owner or operator of any secondary lead smelter shall install and maintain an ambient air quality monitoring network for lead as follows:

- (1) Unless the owner or operator has received approval prior to the effective date of this rule to operate an ambient air quality monitoring network, the owner or operator shall submit a proposed ambient monitoring and quality assurance plan to the department within ninety (90) days after the effective date of this rule. The plan does not need to be submitted by the owner or operator if an authorized air pollution control agency operates the monitoring network. The owner or operator may submit a plan for an existing monitoring network that predates the effective date of this rule.
- (2) An owner or operator that has not received approval prior to the effective date of this rule shall commence ambient monitoring within thirty (30) days after the department's approval of the proposed ambient monitoring and quality assurance plan. An owner or operator that has received approval prior to the effective date of this rule shall commence monitoring under this rule within thirty (30) days after such date.

- (3) The ambient monitoring shall be:
 - (A) performed using U.S. EPA-approved methods, procedures, and quality assurance programs, and in accordance with the ambient monitoring and quality assurance plan as approved by the department; or
 - (B) performed by an authorized air pollution control agency having jurisdiction to operate the network.
- (4) The owner or operator shall submit a quarterly report to the department within forty-five (45) days after the end of the quarter in which the data was collected. The report shall include the following:

- (A) Ambient air quality monitoring network data.
- (B) If a violation of the quarterly NAAQS for lead occurred, identification of the cause of the violation and corrective actions taken to address the violation.

- (5) After twenty-four (24) months from the commencement date of monitoring pursuant to the approved monitoring plan, an owner or operator may submit a request to discontinue ambient monitoring. The commissioner may deny the request if a determination is made that continued monitoring is in the interest of public health and the environment.

(f) Ventilation air from the following shall be conveyed or ventilated to a control device:

- (1) All enclosure hoods and total enclosures.
- (2) All dryer emission vents.
- (3) Agglomerating furnace emission vents.

*Copies of the Code of Federal Regulations (CFR) referenced in this rule may be obtained from the Government Printing Office, Washington, D.C. 20402 or are available for copying at the Indiana Department of Envi-

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Environmental Management, Office of Air Management,
Indiana Government Center-North, Tenth Floor, 100 North
Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution
Control Board; 326 IAC 20-13-7; filed Dec 1, 2000, 2:22 p.m.:
24 IR 960*)

*Copies of the Code of Federal Regulations (CFR) and
the U.S. Environmental Protection Agency guidance
document "Fabric Filter Bag Leak Detection Guidance"
(EPA-454/R-98-015) referenced in this rule may be obtained
from the Government Printing Office, Washington, D.C.
20402 or are available for copying at the Indiana Depart-
ment of Environmental Management, Office of Air Man-
agement, Indiana Government Center-North, Tenth Floor,
100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air
Pollution Control Board; 326 IAC 20-13-8; filed Dec 1, 2000,
2:22 p.m.: 24 IR 962*)

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Incorporated Documents Filed with Secretary of State: None

TITLE 326 AIR POLLUTION CONTROL BOARD
LSA DOCUMENT #00-68(F)

NOTICES PUBLISHED:	Date:	Name of Newspaper
	12-22-99	Indianapolis Star
	12-30-99	The Star Press
	05-05-00	The Star Press

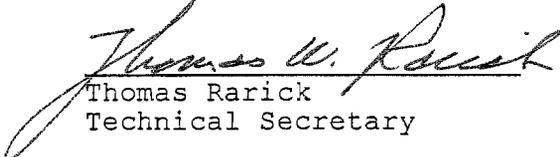
HEARINGS HELD:	Date:	Place:
	02-02-00	IGC-S RM B
	06-07-00	IGC-S RM B

Hearing comments were fully considered by the Board through attendance at the hearing and/or written comments and/or transcripts.

IN ACCORDANCE WITH THE BOARD'S STATUTORY AUTHORITY AND IC 4-22-2, THE ABOVE RULE TEXT WAS ADOPTED ON 06-07-00 IN A FORM THAT DIFFERS FROM THE PROPOSED RULE PUBLISHED IN THE INDIANA REGISTER, BY A 9-0 VOTE OF THE BOARD AT A DULY HELD PUBLIC MEETING AT WHICH A QUORUM WAS PRESENT.

Attest:

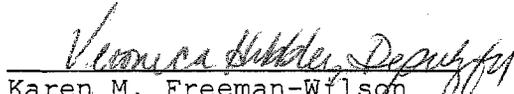
Approved:

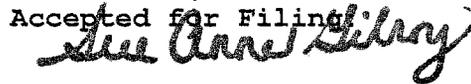

Thomas Rarick
Technical Secretary


Frank O'Bannon
Governor of Indiana

Approved as to Legality:

Date: 11/28/00


Karen M. Freeman-Wilson
Attorney General of Indiana

Accepted for Filing

Sue Anne Gilroy
Secretary of State

Date: 11/22/00

Date: 12/1/00

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