



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53 IGCN 1003
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: July 18, 2007 «Date»
RE: Core Tech, Inc. / 003-24642-00344
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FN-REGIS.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
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July 18, 2007

Mike Roselle
CoreTech, Inc
6000 Old Maumee Road
Fort Wayne, Indiana 47803

Re: Registered Construction and Operation Status,
003-24642-00344

Dear Mr. Roselle:

The application from CoreTech, Inc, received on April 20, 2007, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.1, IDEM has determined that the following units, to be located at 6000 Old Maumee Road, Fort Wayne, Indiana 47803, are classified as registered:

- (a) One (1) core molding area, identified as EU-01, containing twenty-eight (28) machines constructed in August 1999, and two (2) machines approved for construction in May 2007, with a total maximum sand throughput of 1,818 pounds per hour.
- (b) Four (4) natural gas-fired space heaters, identified as EU-02, each rated at 60,000 Btu per hour, constructed in 1999.
- (c) One (1) natural gas-fired forced air unit, identified as EU-03, rated at 250,000 Btu per hour, constructed in 1999.

The following conditions shall be applicable:

- (a) Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (b) Pursuant to 326 IAC 6-3-2, particulate emissions from the core molding area, identified as EU-01, shall not exceed 3.85 pounds per hour when operating at a maximum process weight of 1,818 pounds per hour. The pound per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour;} \\ P = \text{process weight rate in tons per hour}$$

- (c) Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), the Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

This registration is the first air approval issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.1-2(f)(3). The annual notice shall be submitted to:

Compliance Data Section
Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Jason Renzaglia, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7893 to speak directly to Mr. Renzaglia. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251 or call (800) 451-6027, ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

ERG/JR

cc: File - Allen County
Allen County Health Department
Air Compliance – Patrick Burton
Permit Tracking
Compliance Data Section
Billing, Licensing, and Training - Dan Stamatkin

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3).

Company Name:	CoreTech, Inc.
Address:	6000 Old Maumee Road
City:	Fort Wayne, IN 47803
Phone #:	260-748-4477
Registration #:	003-24642-00344

I hereby certify that CoreTech, Inc. is still in operation and is in compliance with the requirements of Registration 003-24642-00344.

Name (typed):
Title:
Signature:
Date:

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Registration

Source Background and Description

Source Name:	CoreTech, Inc.
Source Location:	6000 Old Maumee Road, Fort Wayne, IN 47803
County:	Allen
SIC Code:	3543
Operation Permit No.:	003-24642-00344
Permit Reviewer:	ERG/JR

The Office of Air Quality (OAQ) has reviewed an application from CoreTech, Inc. relating to construction and operation of two (2) new molding machines at the existing shell core mold manufacturing plant.

Unpermitted Emission Units and Pollution Control Equipment

The source consists of the following unpermitted emission units and pollution control devices:

- (a) One (1) core molding area, identified as EU-01, containing twenty-eight (28) machines constructed in August 1999, and two (2) machines approved for construction in May 2007, with a total maximum sand throughput of 1,818 pounds per hour.
- (b) Four (4) natural gas-fired space heaters, identified as EU-02, each rated at 60,000 Btu per hour, constructed in 1999.
- (c) One (1) natural gas-fired forced air unit, identified as EU-03, rated at 250,000 Btu per hour, constructed in 1999.

Existing Approvals

The source has been operating under the previous Exemption 003-22843-00344, issued on June 27, 2006. However, the PM potential to emit from the existing source exceeds the 5 tons per year exemption threshold. Since the PM PTE was greater than 5 tons per year, but is less than 25 tons per year, this source should have been issued a registration.

Enforcement Issue

- (a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled "Unpermitted Emission Units and Pollution Control Equipment".
- (b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

Recommendation

The staff recommends to the Commissioner that the construction and operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

A complete application for the purposes of this review was received on April 20, 2007.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 4).

Potential to Emit of the Source Before Controls

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential to Emit (tons/yr)
PM	14.3
PM10	2.17
SO ₂	1.27
VOC	2.80
CO	0.18
NO _x	2.20

HAPs	Potential to Emit (tons/yr)
Total	2.39

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM, PM10, SO₂, VOC, CO, and NO_x are less than 25 tons per year and the potential to emit of PM is greater than 5 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.5. A registration will be issued.
- (b) Fugitive Emissions
Since this type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and 326 IAC 2-3, and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

County Attainment Status

The source is located in Allen County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

Note: On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability - Entire Source section.
- (b) Allen County has been classified as attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions. See the State Rule Applicability - Entire Source section.
- (c) Allen County has been classified as attainment or unclassifiable in Indiana for the remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	14.3
PM10	2.17
SO ₂	1.27
VOC	2.80
CO	0.18
NO _x	2.20
Single HAP	Less Than 10
Combination HAPs	Less Than 25

- (a) This existing source is not a major stationary source under 326 IAC 2-2 (PSD), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories.
- (b) This existing source is not a major stationary source under 326 IAC 2-3 (Emission Offset), because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater and it is not in one of the 28 listed source categories.
- (c) These emissions were based on the application submitted by the company on April 20, 2007.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this permit 003-24642-00344, is still not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

This status is based on the calculations provided in Appendix A.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this registration.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in this review.

This source is not considered an iron and steel foundry under 40 CFR 63.7765 and the potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, 40 CFR 63, Subpart EEEEE is not included in this registration.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This source is not a major source for Prevention of Significant Deterioration, 326 IAC 2-2. No attainment regulated pollutant has the potential to be emitted at a rate of 250 tons per year or more, and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

326 IAC 2-3 (Emission Offset)

Allen County has been designated as nonattainment for the 8-hour ozone standard. However, since the potential to emit of VOC and NO_x, are each less than 100 tons per year, this source is a minor source under 326 IAC 2-3, Emission Offset.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants)

This source is not subject to 326 IAC 2-4.1-1 (New Source Toxics Control). The source does not have the potential to emit 10 tons per year of any single HAP or 25 tons per year of any combination of HAPs.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake or Porter counties, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, pursuant to 326 IAC 2-6-1(b), the source is only subject to additional information requests as provided in 326 IAC 2-6-5.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

326 IAC 8-6 (Organic Solvent Emission Limitation)

The source is not subject to the requirements of 326 IAC 8-6 (Organic Solvent Emission Limitation) because it does not have the potential to emit VOC of one hundred (100) tons per year, or more.

State Rule Applicability - Core Molding Area

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2, particulate emissions from the core molding area, identified as EU-01, shall not exceed 3.85 pounds per hour when operating at a maximum process weight of 1,818 pounds per hour. The pound per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour;} \\ P = \text{process weight rate in tons per hour}$$

Based on the uncontrolled PM emissions, the core molding area is capable of complying with this rule.

326 IAC 8-1-6 (General VOC Reduction Requirements)

The core molding area, identified as EU-01 is not subject to 326 IAC 8-1-6 (General Reduction Requirements) because the potential to emit volatile organic compounds is less than twenty-five (25) tons per year.

State Rule Applicability - Combustion Units

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

The provisions of 326 IAC 6-3 do not apply to the four (4) natural gas-fired space heaters, identified as EU-02, and the one (1) natural gas-fired forced air unit, identified as EU-03, because these emission units each have potential particulate emissions less than 0.551 pounds per hour. Pursuant to 326 IAC 6-2-1(b)(14), manufacturing process with emissions less than 0.551 pounds per hour are exempt from 326 IAC 6-3.

326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations)

The provisions of 326 IAC 7-1.1-1 do not apply to the four (4) natural gas-fired space heaters, identified as EU-02, and the one (1) natural gas-fired forced air unit, identified as EU-03, because these emission units each do not have potential to emit sulfur dioxide greater than 25 tons per year or 10 pounds per hour.

Conclusion

The operation of this shell core mold manufacturing plant shall be subject to the conditions of the Registration 003-24642-00344.

**Appendix A: Emissions Calculations
VOC and HAP Emissions
Core Molding**

Page 1 of 4 of TSD App A

Company Name: CoreTech, Inc
Address City IN Zip: 6000 Old Maumee Road, Fort Wayne, IN 46803
Permit Number: 003-22843-00344
Reviewer: ERG/JR
Date: 05/09/07

Maximum Throughput of Sand per Hour in Pounds: 1818 lbs/hr
Maximum Throughput of Sand per Year in Tons: 7963 tons/yr

Sand Mixture:

Phenol/Formaldehyde Resin: 3.00% by weight of Resin
Hexamethylene Tetramine Catalyst: 0.50% by weight of Catalyst
Resin and Catalyst Use Rate: 1.00% by weight of Sand Mixture

Assumption: 100% of HAP and VOC will be released

PTE Total VOC Emissions:

Potential to Emit = $[(3\% + 0.5\%)] * 1818 \text{ lbs/hr} * 1\% \text{ Resin and Catalyst Use Rate} * 100\% \text{ released} * 8760 \text{ hrs/yr} / 2000 \text{ lbs/tc}$

Potential to Emit = **2.79 tons/yr**

PTE Total HAP Emissions:

Potential to Emit = $3\% * 1818 \text{ lbs/hr} * 1\% \text{ Resin and Catalyst Use Rate} * 100\% \text{ released} * 8760 \text{ hrs/yr} / 2000 \text{ lbs/ton}$

Potential to Emit = **2.39 tons/yr**

**Appendix A: Emissions Calculations
PM, PM10, SOx, and NOx
Core Molding**

Company Name: CoreTech, Inc
Address City IN Zip: 6000 Old Maumee Road, Fort Wayne, IN 46803
Permit Number: 003-22843-00344
Reviewer: ERG/JR
Date: 05/09/07

Emission Unit: core molding area, identified as EU-01
Unit Description: 28 Shell Core Machines

Shell Core Machines

Maximum Capacity 1818 pounds of shell sand per hour
7963 tons of shell sand per year
7963 tons of core per year

PTE Other Criteria Pollutant Emissions:

Core Machines

Pollutants	PM	PM10	SOx	NOx
Em. Factor	3.6	0.54	0.32	0.5
SCC	30400350	30400350	30400370	30400370
Source of Em. Factor	FIRE 6.25	FIRE 6.25	FIRE 6.25	FIRE 6.25
Units of Em. Factor	lbs/ton sand	lbs/ton sand	lbs/ton core	lbs/ton core
Emissions (tons/yr)	14.3	2.15	1.27	1.99

Methodology

Potential Emissions were calculated using the following equations:

Emissions (tons/yr) = (Maximum Capacity, lb sand/hr) x 1 ton/2000 lb x (Emission Factor, lbs/ton sand) x 8760 hr/yr x 1 ton/2000 lb

Emissions (tons/yr) = (Maximum Capacity, ton core/yr) x 1 ton/2000 lb x (Emission Factor, lbs/ton core) x 1 ton/2000 lb

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Boilers**

Company Name: CoreTech, Inc
Address City IN Zip: 6000 Old Maumee Road, Fort Wayne, IN 46803
Permit Number: 003-22843-00344
Reviewer: ERG/JR
Date: 05/09/07

Heat Input Capacity		Potential Throughput
Emission Unit	MMBtu/hr	MMCF/yr
EU-02	0.24	4.21
EU-03	0.25	
Total	0.5	

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	4.00E-03	0.02	1.26E-03	0.21	0.01	0.18

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 7/98)

Potential Emission (tons/yr) = Potential Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000

See next page for HAPs emissions calculations.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Small Boilers
 HAPs Emissions**

Company Name: CoreTech, Inc
 Address City IN Zip: 6000 Old Maumee Road, Fort Wayne, IN 46803
 Permit Number: 003-22843-00344
 Reviewer: ERG/JR
 Date: 05/09/07

Heat Input Capacity		Potential Throughput
Emission Unit	MMBtu/hr	MMCF/yr
EU-02	0.24	4.21
EU-03	0.25	
Total	0.5	

HAPs - Organics					
Emission Factor in lb/MMCF	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	4.42E-06	2.52E-06	1.58E-04	3.79E-03	7.15E-06

HAPs - Metals					
Emission Factor in lb/MMCF	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.05E-06	2.31E-06	2.95E-06	8.00E-07	4.42E-06

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.