



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: October 15, 2007
RE: Aramark Uniform Services / 167-25247-00132
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

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 from 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
FNPER-AM.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
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October 15, 2007

Mr. Jim Roetker
Aramark Uniform Services
3752 North Fruitridge Avenue
Terre Haute, IN 47804

Re: Notice-Only Change No. R167-25247-00132
Registered Construction and Operation Status

Dear Mr. Roetker:

Aramark Uniform Services was issued a Registration No. R167-16062-00132 on November 3, 2003 for a stationary commercial laundry facility located at 3752 North Fruitridge Avenue, Terre Haute, IN 47804. A letter notifying the Office of Air Quality of a notice-only change to the registration was received on September 5, 2007. The source plans to remove one (1) boiler with a heat input rate of 16.8 MMBtu/hr and replace it with one (1) boiler with a heat input rate of 10.5 MMBtu/hr, that has potential emissions of regulated criteria pollutants and hazardous air pollutants of less than the threshold levels specified in 326 IAC 2-5.5-6(d)(10) and 326 IAC 2-5.5-6(d)(12), respectively. The removal of the one (1) 16.8 MMBtu/hr boiler and addition of the one (1) 10.5 MMBtu/hr boiler is considered a notice-only change pursuant to 326 IAC 2-5.5-6(d). No new state rules are applicable to this source. This source is not a major PSD stationary source 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 source categories listed in 326 IAC 2-2-1(gg)(1). The requirements of 40 CFR Part 60 Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units) is included for the new 10.5 MMBtu/hr boiler. These are the same requirements the old 16.8 MMBTU/hr boiler was subject to. There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) or National Emission standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in this notice-only change.

In addition, IDEM updated the emission calculations in order to clarify the source's potential to emit before and after controls. Finally, IDEM has begun implementing a new procedure and will no longer list the name or title of the Authorized Individual (AI) in permits. These changes are considered notice-only changes pursuant to 326 IAC 2-5.5-6. Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

- 1. The source description is changed to reflect the removal of the 16.8 mmBtu/hr boiler, identified as Boiler 1, and the installation of a 10.5 mmBtu/hr boiler, also identified as Boiler 1, as follows:

...

(c) ~~One (1) boiler with a heat input of 16.8 MM-BTU/hr.~~

(d) **One (1) natural gas-fired boiler, identified as Boiler 1, approved for installation in 2007, with a maximum heat input capacity of 10.5 million Btu per hour (MMBtu/hr), uncontrolled and exhausting to stack 6.**

...

The source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the revised registration.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Hannah Desrosiers, at (800) 451-6027, press 0 and ask for extension 4-5374, or dial (317) 234-5374.

Sincerely,

Original signed by Matt Stuckey for
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

NS/hld

Attachment: Revised Registration

cc: File – Vigo County
Vigo County Health Department
Vigo County Air Pollution Control - George Needham
Air Compliance Section – Cynthia Holladay
Permit Review Section 5 – Hannah Desrosiers
Compliance Data Section
Permits Administrative and Development
Billing, Licensing and Training Section – Dan Stamatkin



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Mr. Jim Roetker
Aramark Uniform Services
3752 North Fruitridge Avenue
Terre Haute, IN 47804

October 15, 2007

Re: Notice-Only Change No. R167-25247-00132
Registered Construction and Operation Status

Dear Mr. Roetker:

Aramark Uniform Services was issued a Registration No. R167-16062-00132 on November 3, 2003 for a stationary commercial laundry facility located at 3752 North Fruitridge Avenue, Terre Haute, IN 47804. A letter notifying the Office of Air Quality of a notice-only change to the registration was received on September 5, 2007. The source plans to remove one (1) boiler with a heat input rate of 16.8 MMBtu/hr and replace it with one (1) boiler with a heat input rate of 10.5 MMBtu/hr, that has potential emissions of regulated criteria pollutants and hazardous air pollutants of less than the threshold levels specified in 326 IAC 2-5.5-6(d)(10) and 326 IAC 2-5.5-6(d)(12), respectively. The removal of the one (1) 16.8 MMBtu/hr boiler and addition of the one (1) 10.5 MMBtu/hr boiler is considered a notice-only change pursuant to 326 IAC 2-5.5-6(d). No new state rules are applicable to this source. This source is not a major PSD stationary source 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 source categories listed in 326 IAC 2-2-1(gg)(1). There are no New National Emission standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in this notice-only change.

Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following stationary commercial laundry facility, located at 3752 North Fruitridge Avenue, Terre Haute, IN 47804, is classified as registered:

- (a) Four (4) dryers with a combined heat input of 8.43 MM BTU/hr,
- (b) One (1) finishing tunnel with a heat input of 0.4 MM BTU/hr, and
- (c) One (1) natural gas-fired boiler, identified as Boiler 1, approved for installation in 2007, with a maximum heat input capacity of 10.5 million Btu per hour (MMBtu/hr), uncontrolled and exhausting to stack 6.

The following conditions shall be applicable:

- 1 Pursuant to 326 IAC 6-2-4 (Particulate Emissions Limitations for Sources of Indirect Heating), particulate emissions from the one (1) natural gas-fired boiler, identified as Boiler 1, and the four (4) dryers, with a combined heat input of 8.43 MM BTU/hr, and the one (1), finishing tunnel with a heat input of 0.4 MM BTU/hr, shall not exceed 0.5 pounds per million Btu (lbs/MMBtu), as determined by the following equation:

$$Pt = 1.09/Q^{0.26}$$

Where: Pt = Pounds of Particulate Matter emitted per million Btu (lb/mmBtu) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

- 2 The total potential PM emission must be less than 25 tons per year, in order to maintain registration status.
 - (a) The Source shall cease operation of and remove the one (1) 16.8 mmBtu/hr boiler once operation of the one (1) newly installed 10.5 mmBtu/hr boiler starts.
 - (b) Any change or modification which may increase the potential NO_x emissions to twenty-five (25) tons per year or more from the equipment covered in this registration must be approved by Vigo County Air Pollution Control (VCAPC) or the Indiana Department of Environmental Management (IDEM) before such change may occur.

- 3 40 CFR Part 60 Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units) is applicable to the one (1) natural gas-fired boiler, identified as Boiler 1. Pursuant to 40 CFR 60 Subpart Dc, Part 60.48c, the following reporting and record keeping is required:
 - (a) The owner/operator of each affected facility shall submit notification of the date of construction or reconstruction, postmarked no later than 30 days after such date, date of anticipated startup, postmarked not more than 60 days nor less than 30 days prior to such date, and date of actual startup, postmarked within 15 days after such date of actual startup.
 - (b) This notification shall include:
 - (1) The design heat input capacity of the affected facility and identification of fuels to be combusted;
 - (2) The annual capacity factor at which the owner/operator anticipates operating the affected facility based on the fuels fired;
 - (3) The owner/operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each month; and
 - (4) All records required under this section shall be maintained by the owner/operator of the affected facility for a period of two years following the date of such record.Said reports shall be sent to:

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

- 4 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:
 - (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.
 - (a) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period 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.

- 5 Pursuant to 326 IAC 1-6-3 (Preventive Maintenance Plan), any person responsible for operating any facility required to obtain a Permit shall prepare and maintain a Preventive Maintenance Plan which includes the following:

- (a) Identification of responsible individuals for inspecting, maintaining and repairing emission control devices.
- (b) Description of items and conditions that will be inspected and an inspection schedule.
- (c) Identification of replacement parts in inventory for quick replacement.

The Preventive Maintenance Plan shall be submitted upon request and subject to review and approval by Vigo County Air Pollution Control.

This source remains a registered 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 2-5.5-4(a)(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

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.

Sincerely,

Original signed by Matt Stuckey for
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

NS/hld

cc: File – Vigo County
Vigo County Health Department
Vigo County Air Pollution Control - George Needham
Air Compliance Section – Cynthia Holladay
Permit Tracking
Compliance Data Section
Permits Administrative and Development
Billing, Licensing and Training Section – Dan Stamatkin

**Registration
Annual Notification**

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

Company Name:	Aramark Uniform Services
Address:	3752 North Fruitridge Avenue
Phone #:	(812)-466-5295
Registration #:	R167-25247-00132

Certification by the Authorized Individual

I hereby certify that Aramark Uniform Services is still in operation and is in compliance with the requirements of Registration R167-25247-00132.

Name (typed):

Title:

Signature:

Phone Number:

Date:

Appendix A: Emissions Calculations Emission Summary

Company Name: Aramark Uniform Services
Address City IN Zip: 3752 North Fruitridge Avenue
 Terre Haute, IN. 47804
Permit Number: 167-25247-00132
Reviewer: Hannah L. Desrosiers
Date: 9/25/2007

Category	Uncontrolled Potential Emissions (tons/year)				
	Emissions Generating Activity				
	Pollutant	Existing Emission Units		New Emission Unit	TOTAL
		*Existing Boiler 16.8 MMBtu/hr	Existing Units 8.83 MMBtu/hr	Boiler 10.5 MMBtu/hr	
Criteria Pollutants	PM	0.14	0.07	0.09	0.16
	PM10	0.56	0.09	0.35	0.44
	SO2	0.04	0.02	0.03	0.05
	NOx	7.36	3.87	4.60	8.47
	VOC	0.40	0.21	0.25	0.47
	CO	6.18	3.25	3.86	7.11
Hazardous Air Pollutants	Benzene	1.55E-04	5.61E-05	9.66E-05	1.53E-04
	Dichlorobenzene	8.83E-05	3.21E-05	5.52E-05	8.72E-05
	Formaldehyde	5.52E-03	2.00E-03	3.45E-03	5.45E-03
	Hexane	0.13	0.05	8.28E-02	0.13
	Toluene	2.50E-04	9.08E-05	1.56E-04	2.47E-04
	Cadmium	8.09E-05	1.61E-05	5.06E-05	6.67E-05
	Chromium	1.03E-04	2.05E-05	6.44E-05	8.49E-05
	Lead	3.68E-05	7.34E-06	2.30E-05	3.03E-05
	Manganese	2.80E-05	5.58E-06	1.75E-05	2.31E-05
	Nickel	1.55E-04	3.08E-05	9.66E-05	1.27E-04
	Totals	0.14	0.05	0.09	0.1371
				0.1309	

Total emissions based on rated capacity at 8,760 hours/year.

* emissions for original Boiler 1 not counted in totals because unit is being removed/replaced.

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
LAUNDRY BOILER - new
MM BTU/HR <100**

**Company Name: Aramark Uniform Services
Address City IN Zip: 3752 North Fruitridge Avenue
Terre Haute, IN. 47804
Permit Number: 167-25247-00132
Reviewer: Hannah L. Desrosiers
Date: 9/25/2007**

PM/PM10 and VOC Emissions

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
10.5	92.0

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	0.1	0.3	0.0	4.6	0.3	3.9

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 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/1,000 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 3/98)

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

HAPs Emissions

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	9.658E-05	5.519E-05	3.449E-03	8.278E-02	1.564E-04

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	2.300E-05	5.059E-05	6.439E-05	1.748E-05	9.658E-05

Methodology is the same as prior.

TOTAL HAPs	0.0868	tpy
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The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
LAUNDRY BOILER - existing
MM BTU/HR <100**

Company Name: Aramark Uniform Services
Address City IN Zip: 3752 North Fruitridge Avenue
Terre Haute, IN. 47804
Permit Number: 167-25247-00132
Reviewer: Hannah L. Desrosiers
Date: 9/25/2007

PM/PM10 and VOC Emissions

Heat Input Capacity MMBtu/hr 16.8	Potential Throughput MMCF/yr 147.2
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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	0.1	0.6	0.0	7.4	0.4	6.2

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 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/1,000 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 3/98)

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

HAPs Emissions

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.545E-04	8.830E-05	5.519E-03	1.325E-01	2.502E-04

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	3.679E-05	8.094E-05	1.030E-04	2.796E-05	1.545E-04

Methodology is the same as prior.

TOTAL HAPs 0.1389 tpy

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

Appendix A: Emissions Calculations
Natural Gas Combustion Only
LAUNDRY BOILER - existing
MM BTU/HR <100

Company Name: Aramark Uniform Services
Address City IN Zip: 3752 North Fruitridge Avenue
Terre Haute, IN. 47804
Permit Number: 167-25247-00132
Reviewer: Hannah L. Desrosiers
Date: 9/25/2007

PM/PM10 and VOC Emissions

Emission Factor in lb/MMCF	Unit ID	Heat Input Capacity MMBtu/hr	Potential Throughput MMBtu/yr	Pollutant					
				PM*	PM10*	SO2	NOx	VOC	CO
				1.9	7.6	0.6	100.0	5.5	84.0
							**see below		
Potential Emission in tons/yr	Dryer 1	2.7	23.9148	0.022719	0.090876	0.007174	1.195740	0.065766	1.004422
Potential Emission in tons/yr	Dryer 2	2.8	24.09	0.022886	0.000000	0.007227	1.204500	0.066248	1.011780
Potential Emission in tons/yr	Dryer 3	2.8	24.09	0.022886	0.000000	0.007227	1.204500	0.066248	1.011780
Potential Emission in tons/yr	Dryer 4	0.2	1.752	0.001664	0.000000	0.000526	0.087600	0.004818	0.073584
Potential Emission in tons/yr	Colmac Tunnel	0.4	3.504	0.003329	0.000000	0.001051	0.175200	0.009636	0.147168
Totals		8.83	77.35	0.07	0.09	0.02	3.87	0.21	3.25

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 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/1,000 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, and 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

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

HAPs Emissions

Emission Factor in lb/MMcf	Unit ID	HAPs - Organics				
		Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
		2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	Dryer 1	2.511E-05	1.435E-05	8.968E-04	2.152E-02	4.066E-05
Potential Emission in tons/yr	Dryer 2	2.529E-05	1.445E-05	9.034E-04	2.168E-02	4.095E-05
Potential Emission in tons/yr	Dryer 3	2.529E-05	1.445E-05	9.034E-04	2.168E-02	4.095E-05
Potential Emission in tons/yr	Dryer 4	1.840E-06	1.051E-06	6.570E-05	1.577E-03	2.978E-06
Potential Emission in tons/yr	Colmac Tunnel	3.679E-06	2.102E-06	1.314E-04	3.154E-03	5.957E-06
Totals		5.61E-05	3.21E-05	2.00E-03	4.81E-02	9.08E-05

Emission Factor in lb/MMcf	Unit ID	HAPs - Metals				
		Lead	Cadmium	Chromium	Manganese	Nickel
		5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	Dryer 1	5.979E-06	1.315E-05	1.674E-05	4.544E-06	2.511E-05
Potential Emission in tons/yr	Dryer 2	6.023E-06	1.325E-05	1.686E-05	4.577E-06	2.529E-05
Potential Emission in tons/yr	Dryer 3	6.023E-06	1.325E-05	1.686E-05	4.577E-06	2.529E-05
Potential Emission in tons/yr	Dryer 4	4.380E-07	9.636E-07	1.226E-06	3.329E-07	1.840E-06
Potential Emission in tons/yr	Colmac Tunnel	8.760E-07	1.927E-06	2.453E-06	6.658E-07	3.679E-06
Totals		7.34E-06	1.61E-05	2.05E-05	5.58E-06	3.08E-05

Methodology is the same as prior

TOTAL HAPs 0.0504 tpy

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

**326 IAC Article 6
Particulate Emission Limitations for
Sources of Indirect Heating**

$$Pt=1.09/Q^{0.26}$$

where: $Q=B1+ B2...$

New Boiler & Existing Other	
Q =	19.33 MMBtu/hr
Pt =	0.5047 lb/MMBtu