



TO: Interested Parties / Applicant

RE: McDonald's (Airport) / E097-24310-00599

FROM: Felicia A. Robinson
Administrator
City of Indianapolis
Office of Environmental Services

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 Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

317-327-2234
Fax 327-2274
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June 25, 2007

Ms. Elizabeth Henry
McDonald's (Airport)
6685 Rockville Road
Indianapolis, IN 46214

Dear Ms. Henry:

Certified Mail Number: 7007 0710 0005 3966 0029

Re: Exempt Construction and Operation Status,
E097-24310-00599

The application from McDonald's (Airport), received on February 8, 2007, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-1.1-3, it has been determined that the following fast food restaurant, located at 2500 South High School Road, Indianapolis, Indiana, is classified as exempt from air pollution permit requirements:

- (a) Two (2) electric Fry Master Fryers (Unit ID F1 and F2) and two (2) electric Garland Grills (Unit ID G1 and G2), constructed in 1991, and exhausting to one (1) stack, identified as SV1.

The following conditions shall be applicable:

- (1) 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 thirty percent (30%) 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 15 minutes (sixty (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.
- (2) Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

This exemption is the first air approval issued to this source.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Indiana Department of Environmental Management (IDEM) Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original Signed by

Felicia A. Robinson
Administrator

cc: Files
Air Compliance – Matt Mosier
IDEM, OAQ – Mindy Hahn



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

Technical Support Document (TSD) for an Exemption

Source Background and Description

Source Name:	McDonald's (Airport)
Source Location:	2500 South High School Road
County:	Marion
SIC Code:	5812
Operation Permit No.:	E097-24310-00599
Permit Reviewer:	A. Nguyen

The Indiana Department of Environmental Management (IDEM) Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) have reviewed an application from McDonald's (Airport) relating to the operation of a fast food restaurant.

Exempt Emission Units and Pollution Control Equipment

The source also consists of the following exempt emission units:

- (a) Two (2) electric Fry Master Fryers (Unit ID F1 and F2) and two (2) electric Garland Grills (Unit ID G1 and G2), constructed in 1991, and exhausting to one (1) stack, identified as SV1.

Existing Approvals

The source has not been operating under any previous or existing approvals.

Enforcement Issue

IDEM, OAQ, and OES are aware that equipment has been constructed and operated prior to receipt of the proper permit. However, the air emissions from the source have been evaluated and no air permit is needed. Therefore, no enforcement action is necessary.

Recommendation

The staff recommends to the Administrator that the 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.

An application for the purposes of this review was received on February 8, 2007, with additional information received on June 13, 2007.

Emission Calculations

See Appendix A (page 1 of 1) of this document for detailed emission calculations

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	1.593
PM10	1.286
SO ₂	0
VOC	0.172
CO	0.112
NO _x	0

HAPs	Potential to Emit (tons/yr)
Single	negligible
Total	negligible

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all regulated air pollutants are less than the levels listed in 326 IAC 2-1.1-3(e)(1). Therefore, the source is subject to the provisions of 326 IAC 2-1.1-3. An exemption will be issued.
- (b) 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, the source is subject to the provisions of 326 IAC 2-1.1-3. An exemption will be issued.
- (c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 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 Marion County.

Pollutant	Status
PM10	Attainment
PM2.5	Nonattainment
SO ₂	Maintenance attainment
NO _x	Attainment
8-hour Ozone	Basic nonattainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
 - (b) Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions, pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability - Entire Source section.
 - (c) Marion County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- Fugitive Emissions
- (d) Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 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.
 - (e) 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.

Source Status

New Source PSD 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	1.593
PM10	1.286
SO ₂	0
VOC	0.172
CO	0.112
NO _x	0
Single HAP	negligible
Combination HAPs	negligible

- (a) This new source is **not** a major stationary source because no attainment pollutant is emitted at a rate of 250 tons per year or greater, no nonattainment 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. Therefore, pursuant to 326 IAC 2-2 and 2-3, the PSD and Emission Offset requirements do not apply.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This new source is 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 is the first air approval issued to this source.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this Exemption.
- (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 Exemption.

State Rule Applicability – Entire Source

326 IAC 2-1.1-5 (Air Quality Requirements)

Marion County has been designated as nonattainment for PM_{2.5}. According to an EPA guidance memo dated April 5, 2005, PM₁₀ is to be utilized as a surrogate for PM_{2.5} until the EPA can promulgate the PM_{2.5} implementation rule. PM₁₀ emissions, and therefore PM_{2.5} emissions, from this source are less than one hundred (100) tons per twelve consecutive month period. There have been no modifications to this source such that it is a major source of PM₁₀ emissions. Therefore, this source is not subject to nonattainment new source review requirements for PM_{2.5} emissions.

326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) and 326 IAC 2-3 (Emission Offset)

This existing source is not a major stationary source because no attainment regulated pollutant emissions are equal to or greater than two hundred fifty (250) tons per year, this source is not one of the 28 listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and no nonattainment regulated pollutant emissions are equal to or greater than one hundred (100) tons per year. There have been no modifications or revisions to this source that were major modifications pursuant to 326 IAC 2-2 or 326 IAC 2-3. Therefore, 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) and 326 IAC 2-3 (Emission Offset) are each not applicable to the source.

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

This existing source commenced operation after July 27, 1997. However, this source does not have the potential to emit any individual single hazardous air pollutant (HAP) equal to or greater than ten (10) tons per year nor does this source have the potential to emit HAP of equal to or greater than twenty-five (25) tons per year for any combination of HAP. This source did not undergo construction or reconstruction of a major HAP source after July 27, 1997. Therefore, this source is not subject to 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants).

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1(a)(1), (2), and (3), this source is not subject to 326 IAC 2-6 (Emission Reporting) because, as an Exemption, it is not required to have an operating permit under 326 IAC 2-7, it does not emit lead into the ambient air at levels equal to or greater than five (5) tons per year, and it is not located in Lake or Porter Counties.

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 thirty percent (30%) 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 6.5-1-2 (Particulate Matter Limitations Except Lake County) and 326 IAC 6.5-6 (Marion County)

This source has the potential to emit particulate of less than one hundred (100) tons per year and has actual emissions less than ten (10) tons per year. McDonald's (Airport) is not specifically identified in 326 IAC 6.5-6 (Marion County). Therefore, 326 IAC 6.5-1-2 (Particulate Matter Limitations Except Lake County) and 326 IAC 6.5-6 (Marion County) do not apply to this source.

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

This source is a fast food restaurant and under 326 IAC 2-7-1(40)(C) the fuel use related to food preparation for on-site consumption meets the definition of trivial activity. Therefore, 326 IAC 6-3 does not apply to the source.

326 IAC 6-4 (Fugitive Dust Emission Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

326 IAC 8-1-6 (General Volatile Organic Compound Reduction Requirements)

This source commenced construction and operation after January 1, 1980. Neither the source nor any specific emission unit at this source has the potential to emit twenty five (25) tons per year or more of volatile organic compounds (VOC). Therefore, this source is not subject to 326 IAC 8-1-6 (General Provisions Relating to VOC Rules: General Reduction Requirements for New Facilities).

Conclusion

The construction and operation of this fast food restaurant shall be subject to the conditions of Exemption 097-24310-00599.

Appendix A: Emission Calculations

Company Name: McDonald's (Airport)
Address City IN Zip: 2500 South High School Road, Indianapolis, IN 46241
Permit #: E097-24310-00599
Plt ID: 097-00599
Reviewer: AN
Date: 06/15/07

Electric Fryer

	Max capacity	Max capacity	Emission Factor		PTE	PTE x 2 Fryers
Product	lb/hr	ton/yr	lb/ton		ton/yr	ton/yr
potatoes	58.00	254.04	VOC	0.42	0.053	0.107
			*PM	1.6	0.203	0.406
			*PM10	0.39	0.050	0.099
chicken	14.54	63.69	VOC	0.24	0.008	0.015
fish	6.52	28.56	VOC	0.28	0.004	0.008

Electric Griddle

	Max capacity	Max capacity	Emission Factor		PTE	PTE x 2 griddles
Product	lb/hr	ton/yr	lb/ton			
hamburger	27.10	118.70	PM	10.00	0.593	1.187
			PM10	10.00	0.593	1.187
			CO	0.76	0.045	0.090
			VOC	0.14	0.008	0.017
chicken	5.43	23.78	CO	0.90	0.011	0.021
			VOC	0.80	0.010	0.019
seafood	6.52	28.56	VOC	0.22	0.003	0.006

Summary					
PM	PM10	CO	NOx	VOC	SO₂
1.593	1.286	0.112	0	0.172	0

Methodology

*PM & PM10 emission factors are from FIRE 6.25 (September 2004), SCC 30203601
Emission factors were taken from PECHAN "Methods For Developing a National Emission Inventory for Commercial Cooking Process: Technical Memorandum," dated December 23, 2003
There are no emission factors listed for NOx and SO₂.

Max Capacity (ton/yr) = Max capacity (lb/hr) x 8760 hrs x 1 ton/2000 lb

PTE (ton/yr) = Max capacity (ton/yr) x emission factor (lb/ton) x 1 ton/2000 lb

