



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Michael R. Pence*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: February 26, 2013

RE: Central Indiana Ethanol, LLC/053-32842-00062

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision: Approval - Effective Immediately

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 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, 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  
FNPER-MOD.dot 12/3/07



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Norm Currey  
Central Indiana Ethanol, LLC  
2955 West Delphi Pike  
Marion, IN 46952

Re: 053-32842-00062  
Minor Source Modification to  
Part 70 No.: T053-32070-00062 (pending)

Dear Mr. Currey:

Central Indiana Ethanol, LLC was issued a FESOP Renewal on September 27, 2010 for a stationary ethanol production plant. The source submitted an application to transition to a Part 70 Operating Permit on June 29, 2012. A letter requesting changes to the source was received on February 19, 2013. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

- (e) One (1) receiving and transfer system, approved for construction in 2011, consisting of:
  - (1) One (1) unloading area, consisting of:
    - (C) One (1) fork truck unloading area, identified as EU075, with a maximum capacity of 25 tons of material per hour, approved in 2013 for modification, with particulate emissions vented through either of the following:
      - (i) One (1) manual conveyance system, controlled by baghouse CE016, exhausting to stack EP016.
      - (ii) One (1) pneumatic conveyance system, controlled by baghouse CE022, exhausting to stack EP022.

Note: The raw material is confidential information.

The following construction conditions are applicable to the proposed project:

- General Construction Conditions
1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13 17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(j), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

The source may begin construction when this minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit in accordance with 326 IAC 2-7-10.5(m)(3). Operation is not approved until the Part 70 Operating Permit has been issued.

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 John Haney, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or call at (800) 451-6027, and ask for John Haney or extension 4-5328, or dial (317) 234-5328.

Sincerely,



Jenny Acker, Section Chief  
Permits Branch  
Office of Air Quality

Attachments

JLA/jeh

cc: File - Grant County  
U.S. EPA, Region V  
Grant County Health Department  
Compliance and Enforcement Branch



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**Minor Source Modification to a Part 70 Source  
OFFICE OF AIR QUALITY**

**Central Indiana Ethanol, LLC  
2955 West Delphi Pike  
Marion, Indiana 46952**

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Minor Source Modification No.: 053-32842-00062	
Issued by:  Jenny Acker, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 26, 2013

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)] [326 IAC 2-7-1(22)]

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The Permittee owns and operates a stationary ethanol production plant.

Source Address:	2955 West Delphi Pike, Marion, Indiana 46952
General Source Phone Number:	(765) 384-4001
SIC Code:	2869
County Location:	Grant
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Minor Source, under Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(14)]

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This stationary source consists of the following emission units and pollution control devices:

- (e) One (1) receiving and transfer system, approved for construction in 2011, consisting of:
  - (1) One (1) unloading area, consisting of:
    - (C) One (1) fork truck unloading area, identified as EU075, with a maximum capacity of 25 tons of material per hour, approved in 2013 for modification, with particulate emissions vented through either of the following:
      - (i) One (1) manual conveyance system, controlled by baghouse CE016, exhausting to stack EP016.
      - (ii) One (1) pneumatic conveyance system, controlled by baghouse CE022, exhausting to stack EP022.

Note: The raw material is confidential information.

### A.3 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

**SECTION B GENERAL CONDITIONS**

- B.1 Advanced Source Modification Approval [326 IAC 2-7-5(15)] [326 IAC 2-7-10.5]**  
Pursuant to 326 IAC 2-7-10.5(f)(3), the emission units specified in Section A.2 are hereby approved for construction.
- B.2 Permit No Defense [IC 13-11 through 13-20] [IC 13-22 through 13-25]**  
This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
- B.3 Effective Date of the Permit [IC 13-15-5-3]**  
Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.
- B.4 Revocation of Permits [326 IAC 2-1.1-9(5)] [326 IAC 2-7-10.5(j)]**  
Pursuant to 326 IAC 2-7-10.5(j), construction must commence within eighteen (18) months of the issuance of this approval.
- B.5 Modification to Construction Conditions [326 IAC 2]**  
All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for revisions pursuant to 326 IAC 2.

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

Technical Support Document (TSD) for a  
Part 70 Minor Source Modification

**Source Description and Location**

Source Name:	Central Indiana Ethanol, LLC
Source Location:	2955 West Delphi Pike, Marion, IN 46952
County:	Grant
SIC Code:	2869 (Industrial Organic Chemicals)
Minor Source Modification No.:	053-32842-00062
FESOP No.:	F053-29180-00062
Permit Reviewer:	John Haney

**Existing Approvals**

The source was issued FESOP Renewal No. F053-29180-00062 on September 27, 2010. The source has since received the following approvals:

Permit Type	Permit Number	Issuance Date
Minor Permit Revision	053-30294-00062	April 13, 2011
Administrative Amendment	053-30470-00062	May 27, 2011
Interim Significant Source Modification	053-32519I-00062	January 18, 2013

The source submitted an application relating to the transition of the source's operating permit from a Federally Enforceable State Operating Permit (FESOP) to a Part 70 Operating Permit on June 29, 2012.

**County Attainment Status**

The source is located in Grant County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Attainment effective December 29, 2005, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM <sub>2.5</sub> .	

- (a) Ozone Standards  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) 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<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Grant County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM<sub>2.5</sub>**  
 Grant County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct PM<sub>2.5</sub> significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM<sub>2.5</sub>, NO<sub>x</sub>, and SO<sub>2</sub> 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.
- (c) **Other Criteria Pollutants**  
 Grant County has been classified as attainment or unclassifiable in Indiana for all regulated pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

**Fugitive Emissions**

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

**Source Status**

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

<b>Pollutant</b>	<b>Emissions (tons/yr)</b>
PM	125.50
PM <sub>10</sub>	75.52
PM <sub>2.5</sub>	75.52
SO <sub>2</sub>	37.28
VOC	77.92
CO	97.52
NO <sub>x</sub>	92.12
GHGs as CO <sub>2</sub> e	greater than 100,000
Single HAP (acetaldehyde)	9.91
Total HAPs	13.58

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because the emissions of GHGs are greater than one hundred thousand (100,000) tons of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) per year.  
  
 On July 20, 2011, U.S. EPA issued a deferral of biogenic CO<sub>2</sub> emissions from PSD and Title V. Therefore, these CO<sub>2</sub> emissions were not included in the listed GHG emissions.
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).
- (c) These emissions, excluding the GHG emissions, are based upon the Technical Support Document for Administrative Amendment No. 053-30470-00062, issued on May 27, 2011.

### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Central Indiana Ethanol, LLC on February 19, 2013, relating to the addition of a pneumatic conveyance system for the existing fork truck unloading area (EU075). The following is a list of the modified emission unit and pollution control device:

- (e) One (1) receiving and transfer system, approved for construction in 2011, consisting of:
  - (1) One (1) unloading area, consisting of:
    - (C) One (1) fork truck unloading area, identified as EU075, with a maximum capacity of 25 tons of material per hour, approved in 2013 for modification, with particulate emissions vented through either of the following:
      - (i) One (1) manual conveyance system, controlled by baghouse CE016, exhausting to stack EP016.
      - (ii) One (1) pneumatic conveyance system, controlled by baghouse CE022, exhausting to stack EP022.

### Enforcement Issues

There are no pending enforcement actions related to this modification.

### Stack Summary

Stack ID	Operation	Height (ft)	Diameter (ft)	Flow Rate (acfm)	Temperature (°F)
EP022	Fork Truck Unloading Area (EU075) - Pneumatic	29.5	3.6	22,500	70

### Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

### Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission 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, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

<b>PTE Change of the Modified Process</b>			
<b>Pollutant</b>	<b>PTE Before Modification (tons/yr)</b>	<b>PTE After Modification (tons/yr)</b>	<b>Increase from Modification (tons/yr)</b>
PM	2.77	27.69	24.92
PM <sub>10</sub>	2.77	27.69	24.92
PM <sub>2.5</sub>	2.77	27.69	24.92
SO <sub>2</sub>	0	0	0
VOC	0	0	0
CO	0	0	0
NO <sub>x</sub>	0	0	0
HAPs	0	0	0

This source modification is subject to 326 IAC 2-7-10.5(d)(3)(A) because the potential to emit particulate matter (PM) and particulate matter less than ten microns (PM<sub>10</sub>) is each greater than five (5) tons per year and less than twenty-five (25) tons per year before control.

Additionally, this modification will be incorporated into the Part 70 Operating Permit through a minor permit modification issued pursuant to 326 IAC 2-7-12(b)(1) because the modification:

- (a) Does not violate any applicable requirement;
- (b) Does not involve significant changes to existing monitoring, reporting, or record keeping requirements in the Part 70 permit;
- (c) Does not require or change a:
  - (1) case-by-case determination of an emission limitation or other standard;
  - (2) source specific determination for temporary sources of ambient impacts; or
  - (3) visibility or increment analysis;
- (d) Does not seek to establish or change a Part 70 permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. The terms and conditions include the following:
  - (1) A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the CAA; or
  - (2) An alternative emissions limit approved under regulations promulgated under Section 112(i)(5) of the CAA;
- (e) Is not a modification under any provision of Title I of the CAA;
- (f) Is not the addition of a clean unit that was automatically designated as described in 326 IAC 2-2.2-1 or 326 IAC 2-3.2-1;
- (g) Is not the addition of a listed PCP as defined in 326 IAC 2-2-1(II) or 326 IAC 2-3-1(gg); or
- (h) Is not required by the Part 70 program to be processed as a significant modification.

However, because the source is transitioning its operating permit from a Federally Enforceable State Operating Permit (FESOP) to a Part 70 Operating Permit, the issuance of the Part 70 Operating Permit itself will grant the source the appropriate operating approval for the proposed modification. Therefore, there will be no need to issue a distinct minor permit modification for this proposed modification.

<b>Permit Level Determination – PSD</b>
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The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 source modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process / Emission Unit	Potential to Emit (tons/yr)							
	PM	PM <sub>10</sub>	PM <sub>2.5</sub> *	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	GHGs
Fork Truck Unloading Area (EU075) - Pneumatic	24.92	24.92	24.92	0	0	0	0	0
<b>Total for Modification</b>	<b>24.92</b>	<b>24.92</b>	<b>24.92</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PSD Major Source Thresholds	250	250	250	250	250	250	250	N/A
Significant Level	N/A	N/A	N/A	N/A	N/A	N/A	N/A	75,000 CO <sub>2e</sub>

\*PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

On July 20, 2011, U.S. EPA issued a deferral of biogenic CO<sub>2</sub> emissions from PSD and Title V. Therefore, these CO<sub>2</sub> emissions were not included in the listed GHG emissions.

**Federal Rule Applicability Determination**

**NSPS:**

(a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

**NESHAP:**

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20, and 40 CFR Part 63) applicable to this proposed modification.

**CAM:**

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

- (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
- (2) is subject to an emission limitation or standard for that pollutant; and
- (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

CAM Applicability Analysis							
Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/yr)	Controlled PTE (tons/yr)	Part 70 Major Source Threshold (tons/yr)	CAM Applicable (Y/N)	Large Unit (Y/N)
Fork Truck Unloading Area (EU075): PM	Baghouse CE022	Y*	---	---	100	N	---

\* Although a control device is present, it is not necessary in order for the emission unit to comply with the applicable emission limitations. Therefore, CAM is not applicable to this emission unit for this pollutant.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the modified units as part of this modification.

### State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

#### **326 IAC 2-2 (PSD)**

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

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

The operation of the fork truck unloading area (EU075) will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the fork truck unloading area (EU075) shall not exceed 35.4 pounds per hour when operating at a process weight rate of 25 tons per hour. The pound per hour limitation was calculated with 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:

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

This emission unit is capable of complying with this 326 IAC 6-3-2 limit without the use of controls.

### Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no compliance determination and monitoring requirements applicable to this modification.

### Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 053-32842-00062. The staff recommends to the Commissioner that this Part 70 Minor Source Modification be approved.

### IDEM Contact

- (a) Questions regarding this proposed permit can be directed to John Haney at the Indiana

Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCM 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5328 or toll free at 1-800-451-6027 extension 4-5328.

- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

**Appendix A: Emission Calculations  
Receiving and Transfer Operations**

**Company Name: Central Indiana Ethanol, LLC**  
**Address: 2955 West Delphi Pike, Marion, IN 46952**  
**Minor Source Modification No.: 053-32842-00062**  
**Reviewer: John Haney**  
**Date: February 21, 2013**

**Potential to Emit PM/PM<sub>10</sub>/PM<sub>2.5</sub> - Captured Emissions:**

Process Description	Baghouse ID	Outlet Grain Loading (gr/dscf)**	Maximum Air Flow Rate (scfm)**	PTE of PM/PM <sub>10</sub> After Control (lb/hr)	PTE of PM/PM <sub>10</sub> After Control (tons/yr)	PTE of PM <sub>2.5</sub> After Control (lb/hr)	PTE of PM <sub>2.5</sub> After Control (tons/yr)	Control Efficiency (%)	PTE of PM/PM <sub>10</sub> /PM <sub>2.5</sub> Before Control (lb/hr)	PTE of PM/PM <sub>10</sub> /PM <sub>2.5</sub> Before Control (tons/yr)
Truck & Railcar Unloading Areas (EU070 & EU073) & Storage Bins (EU076 & EU077)	CE015	0.0000295	3,200	0.0008	0.0035	0.0001	0.0006	99.9%	0.81	3.54
Fork Truck Unloading Area (EU075)	CE016	0.0000295	2,500	0.0006	0.0028	0.0001	0.0005	99.9%	0.63	2.77
	CE022	0.0000295	22,500	0.0057	0.0249	0.0010	0.0042	99.9%	5.69	24.92
Process Feed Area Surge Hoppers (EU078 & EU079)	CE017	0.0000295	1,300	0.0003	0.0014	0.0001	0.0002	99.9%	0.33	1.44
Truck Unloading Area (EU080)	CE018	0.0000295	760	0.0002	0.0008	0.00003	0.0001	99.9%	0.19	0.84

\*\* Specifications of the control devices provided by the source.

Allowable Emissions:

The following calculations determine PM compliance with 326 IAC 6-3-2 for process weight rates less than 30 tons per hour:

$$P = \frac{25 \text{ tons/hr}}{4.1 \times (25)^{0.67}} = 35.4 \text{ lb/hr PM}$$

Each unit is capable of complying with 326 IAC 6-3-2 WITHOUT controls.

Notes:

The raw material handled and transferred has been requested by the source as confidential information.

Assume all PM emissions equal PM<sub>10</sub> emissions.

Assume controlled PM<sub>2.5</sub> emissions equal 17% PM/PM<sub>10</sub> emissions (AP-42 Table 9.9.1-1, Reference 40).

Methodology:

PTE of PM/PM<sub>10</sub> After Control (lb/hr) = Grain Loading (gr/dscf) \* Max. Air Flow Rate (scfm) \* 60 min/hr ÷ 7000 lb/gr

PTE of PM/PM<sub>10</sub> After Control (tons/yr) = PTE of PM/PM<sub>10</sub> After Control (lb/hr) \* 8760 hr/yr ÷ 2000 lb/ton

PTE of PM<sub>2.5</sub> After Control (lb/hr) = PTE of PM/PM<sub>10</sub> After Control (lb/hr) \* 0.17

PTE of PM<sub>2.5</sub> After Control (tons/yr) = PTE of PM<sub>2.5</sub> After Control (lb/hr) \* 8760 hr/yr ÷ 2000 lb/ton

PTE of PM/PM<sub>10</sub>/PM<sub>2.5</sub> Before Control (lb/hr) = PTE of PM/PM<sub>10</sub> After Control (lb/hr) ÷ (1 - Control Efficiency)

PTE of PM/PM<sub>10</sub>/PM<sub>2.5</sub> Before Control (tons/yr) = PTE of PM/PM<sub>10</sub> After Control (tons/yr) ÷ (1 - Control Efficiency)