



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
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: September 30, 2008

RE: Nature's Fuel / 085-27010-00115

FROM: Matthew Stuckey, Branch 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, Suite N 501E, 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.dot12/3/07



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September 30, 2008

Mr. Bill Sinish  
Nature's Fuel  
421 East Cook Street  
Fort Wayne, IN, 46825

Re: Experimental Operation  
EO No. 085-27010-00115

Dear Mr Sinish,

On September 23, 2008, Nature's Fuel submitted a letter informing the Office of Air Quality (OAQ) that their one (1) existing pyrolysis unit, identified as EU-1, will be temporarily operated using alternative feedstocks, as part of an experimental trial at the existing stationary source that converts wood and wood waste to renewable energy, located at 510 East Main Street, Atwood, IN 46502. Nature's Fuel will be changing the feedstock for the pyrolysis operation, identified as EU-1 from wood and wood waste to Municipal Solid Waste (MSW) for a two to five day period. Directly after the test run of MSW, the feedstock will be changed again, to Automotive Shredder Residue (ASR) for an additional two to five day period.

## Experimental Operation General Information

|                                 |   |
|---------------------------------|---|
| Unit:                           | One (1) pyrolysis unit, identified as EU-1, approved for construction in 2008, with a maximum capacity of 10 tons per hour, using no control, and exhausting to stack S1. |
| Location of the Operation:      | 510 East Main Street, Atwood, IN 46502  |
| County:                         | Kosciusko County  |
| County Status:                  | Attainment for all criteria pollutants  |
| Purpose of the Operation:       | To test separately the use of Municipal Solid Waste (MSW) and Automotive Shredder Residue (ASR) as feedstock in EU-1  |
| Starting Date of the Operation: | Seven days from the notification date [326 IAC 2-1.1-3(h)(3)(F)]  |
| Duration of the Operation:      | 30 days of total allowable operation [326 IAC 2-1.1-3(h)(3)(D)]   |
| Testing Parameters:             | PM, PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , and VOC, but not limited to.   |

## Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h)(3), the above mentioned temporary operation and experimental trial shall satisfy the following requirements:

1. The potential emissions from the operation should be less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation should not be a major source or modification as defined under 326 IAC 2-2, 326 IAC 2-3 or 326 IAC 2-7. [326 IAC 2-1.1-3(h)(3)(B)]
3. The purpose of the operation is to:
  - (a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention. [326 IAC 2-1.1-3(h)(3)(C)(i)]

- (b) temporarily conduct an operation not considered as part of the normal operation or production of the source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
- 4. The experimental trial should not be part of the existing normal operation or production of the source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
- 5. The duration of the experimental operation should not exceed 30 days of actual operation. [326 IAC 2-1.1-3(h)(3)(D)]
- 6. The source shall submit a report containing the following information, seven (7) days after the conclusion of the experimental operation: [326 IAC 2-1.1-3(h)(3)(G)]
  - (a) The actual dates of the construction and operation.
  - (b) The duration of the operation.
  - (c) The actual emissions occurring during the operation.
- 7. The report shall be submitted to:

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

#### **Experimental Trial Expiration Date**

This approval expires after 30 days of actual operating time of the experimental operation.

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 Jason R. Krawczyk, of my staff, at 317-234-5175 or 1-800-451-6027, and ask for extension 4-5175.

Sincerely,

*Original Signed by:*

Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

Enclosure: Experimental Trial Operation Report Form (1 page)

IC/JRK

cc: File - Kosciusko County  
Kosciusko County Health Department  
Air Compliance Section  
IDEM Northern Regional Office  
Compliance Data Section  
Permits Administrative and Development

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

**Experimental Trial Operation Report**

Source Name: Nature's Fuel  
 Source Location: 510 East Main Street, Atwood, IN 46502  
 County: Kosciusko  
 EO No.: 085-27010-00115  
 Approval Reviewer: Jason R. Krawczyk

| Milestone Schedule   |  |
|--|--|
| Type of unit/operation:                                    |  |
| Actual starting date of the construction:                  |  |
| Actual ending date of the construction:                    |  |
| Actual starting date of the operation:                     |  |
| Actual ending date of the operation:                       |  |
| Actual number of days of the operation:                    |  |
| Calculated emissions during the duration of the operation: |  |
| Additional Comments:                                       |  |

I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

cc: IDEM Air Compliance Section  
 IDEM Northern Regional Office