IDEM

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
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Toll Free (800) 451-6027
www.idem.IN.gov

Mr. Kim Davis
59530 County Road 7
Elkhart, Indiana 46517

October 5, 2010

Re: Experimental Operation
EO No. 039 -29746-00274

Dear Mr. Davis

On September 29, 2010, Elkhart County Landfill, City, Indiana, submitted a letter informing the Office of Air Quality (OAQ) of their intention to perform a one day trial demonstration of their Advanced Thermal Conversion Technology (ATCT) process for converting waste into energy. The test operation will be performed on October 5, 2010 and end the same day.

The purpose of this Advanced Thermal Conversion Technology demonstration is to collect data for experimental purposes, including, but not limited to process improvements, new product development and pollution prevention.

Based on the information provided as part of this notification, the uncontrolled emissions associated with the ATCT demonstration of PM, PM10, VOC, NOx, SO2 and CO are less than the PSD significant levels of 25, 15, 40, 40, 40 and 100 tons per year, respectively.

Experimental Operation General Information

Unit:	Advance Thermal Conversion Technology (ATCT)
Location of the Operation:	59530 CR 7 S Elkhart, Indiana 46517
County:	Elkhart
County Status:	Attainment for all criteria pollutants
Purpose of the Operation:	Indicate the goal: To convert waste into energy
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 actual operation
Testing parameters:	Pollutants: PM, PM10 VOC, NOx, SO_2 and CO

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 Administration and Support Section
   P. O. Box 6015
   Indianapolis, Indiana 46206-6015

Experimental Trial Expiration Date

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

If you have any questions regarding this approval, please contact Josiah Balogun of my staff at 317-234-5257 or at 1-800-451-6027, ext 4-5257.

Sincerely,

Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

JB
Enclosure: Experimental Trial Operation Report (1 page)
cc: File - Elkhart County
Elkhart County Health Department
Compliance and Enforcement Branch
Compliance Data Section

Indiana Department of Environmental Management
Office of Air Quality
Permit Branch

Experimental Trial Operation Report

Source Name:	Elkhart County Landfill
Source Location:	59530 County Road 7, Elkhart, IN 46517
County:	Elkhart
EO No.:	039-29746-00274
Approval Reviewer:	Josiah Balogun

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: Compliance and Enforcement Branch

Mail Code 61-53

IDEM Staff	LPOGOST 10/5/2010 Elkhart County Landfill 039 - 29746 - 00274 final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

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1		Kim Davis Elkhart County Landfill 59530 CR 7 S Elkhart IN 46517 (Source CAATS)									
2		Plant Mgr Elkhart County Landfill 59530 CR 7 S Elkhart IN 46517 *(RO CAATS)*									
3		Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 *(Health Department)*									
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