



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: June 29, 2006
RE: Pollution Control Industries, Inc. / 089-23150-00345
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.

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Ms. Tita LaGrimas
Vice President of Regulatory Affairs
Pollution Control Industries
4343 Kennedy Avenue
East Chicago, IN 46312

June 29, 2006

Re: Exemption for an Experimental Operation
EO No. 089-23150-00345

Dear Ms. LaGrimas:

On May 30, 2006, Pollution Control Industries submitted a letter informing the Office of Air Quality (OAQ) of the intention to conduct an additional experimental trial operation of a process which would remove halogens from their liquid waste treatment and storage facility. Exemption EO 089-22953-00345 was issued by the OAQ on April 21, 2006, for the first trial operation of the process. The OAQ agrees that a second trial exemption is warranted due to the need to modify the catalyst bed and the recirculation pump to decrease the caking in the bed in the feed line. The potential to emit of all regulated pollutants are less than the emission thresholds under 326 IAC 2-1.1-3. Pollution Control Industries will be performing this trial operation under contract with OnMaterials, LLC.

Experimental Operation General Information

Unit: The dehalogenation process will occur in a 375 gallon tank which has been installed at the facility.
Location of the Operation: 4343 Kennedy Avenue, East Chicago, IN 46312
County: Lake
County Status: Nonattainment for PM 2.5 and SO2
Severe nonattainment for 1 hour Ozone
Moderate nonattainment for 8 hour Ozone
Attainment for all other criteria pollutants
Purpose of the Experimental Trial: 1) Determine how much halogen content can be removed by this process;
2) Determine the quantity of catalyst necessary to optimize product yield;
3) Determine mix times necessary to achieve desired results; and
4) Evaluate whether the process will require modification or if it can be added to the Title V permit as an insignificant activity.
Starting Date of the Operation: At least seven (7) days from the notification date [326 IAC 2-1.1-3(h)(3)(F)]

Duration of the Operation: Less than 30 days of actual operation

Testing parameters: Hydrogen and any organic gases generated will be directed to a flare. The predominate halogen present is trichloroethylene which will be converted to chloride salt (a precipitate), ethane and methane.

Applicable Requirements

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

1. The potential emissions from the operation are less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation is not a major source or modification as defined under 326 IAC 2-2, 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; or [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 facility or source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
4. The duration of the temporary operation or experimental trial shall be less than 30 days of total operating time. [326 IAC 2-1.1-3(h)(3)(D)]
5. The Permittee shall submit a report containing the following information, at most seven (7) days after the conclusion of the temporary 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.
6. The report shall be submitted to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Expiration Date

This approval expires after 30 days of actual operating time of the dehalogenation process using the 375 gallon tank installed at the facility.

IDEM Contact

If you have any questions regarding this approval, please contact Vickie Cordell of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-1782 or toll free at 1-800-451-6027 extension 3-1782.

Sincerely,

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

Enclosure: Experimental Trial Operation Report (1 page)
cc: File - Lake County
Lake County Health Department
North West Regional Office
Air Compliance Inspector - Rick Massoels / Ramesh Tejuja

**Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue, Indianapolis, IN 46204-2251**

Experimental Trial Operation Report

Source Name: Pollution Control Industries
Source Location: 4343 Kennedy Avenue, East Chicago, IN 46312
County Location: Lake
Experimental Operation No.: 089-23150-00345

Experimental Operation	
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: Air Compliance Inspector - Rick Massoels / Ramesh Tejuja