



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

July 9, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Kemiron Great Lakes, LLC / 089-19023-00489

FROM: Paul Dubenetzky
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 9/16/03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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July 9, 2004

Mr. Brian Wodetzki
Kemiron Great Lakes, LLC
3761 Canal Street
East Chicago, Indiana 46312

Re: Exempt Construction and Operation Status,
089-19023-00489

Dear Mr. Wodetzki:

The application from Kemiron Great Lakes, LLC, received on April 19, 2004, 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 Ferrous Chloride (FeCl_2) and Ferric Chloride (FeCl_3) production source, to be located at 3761 Canal Street, East Chicago, Indiana 46312, is classified as exempt from air pollution permit requirements:

One (1) closed-loop Ferrous Chloride production facility, including the following:

- (1) Tanks No. T310 and T311 for storing hydrochloric acid (HCl), with storage capacities of 20,000 gallons each.
- (2) Tanks No. T101 and T102 for storing Spent Pickle Liquor (SPL), with storage capacities of 100,000 gallons each.
- (3) Scrap metal digesters where FeCl_2 is produced in a continuous reaction system, using SPL and scrap iron as raw materials.
- (4) Three (3) chlorinators operated in series where reaction of FeCl_2 and Chlorine produces FeCl_3 .
- (5) One (1) wet scrubber for scrubbing HCl vapor and hydrogen gas produced, with a control efficiency of 80%.
- (6) One (1) filter press for treating unused scrap iron and carbon, which are then shipped out.

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, unless otherwise stated in this permit:
 - (a) Opacity shall not exceed an average of twenty percent (20%) 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.
- (2) Any change or modification that may increase the potential to emit of a single Hazardous Air Pollutant (HAP) to 10 tons per year or greater, or that of Volatile Organic Compounds (VOC) or any combination of HAPs to 25 tons per year or greater, shall require prior approval of the Office of Air Quality (OAQ).

This existing source was issued Exempt Construction and Operation Status 089-18494-00489 on February 19, 2004. This is a revised exemption.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

EAL/MES

cc: File – Lake County
Lake County Health Department
Air Compliance - Rick Massoels/Ramesh Tejuja
Northwest Regional Office
Permit Tracking
Compliance Data Section

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

Technical Support Document (TSD) for a Revised Exemption

Source Background and Description

Source Name:	Kemiron Great Lakes, LLC
Source Location:	3761 Canal Street, East Chicago, Indiana 46312
County:	Lake
SIC Code:	2819
Exemption No.:	089-18494-00489
Exemption Issuance Date:	February 19, 2004
Permit Revision No.:	089-19023-00489
Permit Reviewer:	Edward A. Longenberger

The Office of Air Quality (OAQ) has reviewed an application from Kemiron Great Lakes, LLC relating to the operation of a Ferrous Chloride (FeCl_2) and Ferric Chloride (FeCl_3) production source.

History

Kemiron Great Lakes, LLC was issued an Exempt Construction and Operation Status (089-18494-00489) on February 19, 2004. On April 19, 2004, the Office of Air Quality (OAQ) received an application to make changes to descriptive information. Therefore, this revised exemption will be issued.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

Exemption 089-18494-00489 issued on February 19, 2004

All conditions from previous approvals were incorporated into this permit.

Justification for the Revision

The Exemption is being modified by issuing a revised Exempt Construction and Operation Status letter. The recently issued Exemption letter will be superseded by this revised Exemption pursuant to 326 IAC 2-5.1-1, since the changes are descriptive in nature and will not affect the potential to emit of the source or any of the applicable requirements.

Proposed Changes

The following descriptive changes have been made to the emission units at the source:

One (1) closed-loop Ferrous Chloride production facility, including the following:

- (1) Tanks No. T310 and T311 for storing hydrochloric acid (HCl), with storage capacities of 20,000 gallons each.

- (2) Tanks No. T101 and T102 for storing Spent Pickle Liquor (SPL), with storage capacities of ~~85,000~~ **100,000** gallons each.
- (3) Scrap metal digesters where FeCl_2 is produced in a continuous reaction system, using SPL and scrap iron as raw materials.
- (4) ~~One (1)~~ **Three (3)** chlorinators **operated in series** where reaction of FeCl_2 and Chlorine produces FeCl_3 .
- (5) One (1) wet scrubber for scrubbing HCl vapor and hydrogen gas produced, with a control efficiency of 80%.
- (6) One (1) filter press for treating unused scrap iron and carbon, which are then shipped out.

Conclusion

The operation of this Ferrous Chloride (FeCl_2) and Ferric Chloride (FeCl_3) production source shall be subject to the conditions of the Exemption 089-19023-00489.