



*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 24, 2005  
RE: Toppan Photomasks, Inc. / 067-21225-00066  
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 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
*We make Indiana a cleaner, healthier place to live.*

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Mr. Dave Furnish  
Toppan Photomasks, Inc  
1901 East Morgan Street  
P.O. Box 4088  
Kokomo, Indiana 46904-4088

Re: 067-21225-00066  
First Notice Only Change to  
Registration No, 067-14962-00066

Dear Mr. Furnish::

DuPont Photomasks, Inc. was issued a permit on November 15, 2001 for a stationary source that manufactures photomasks (templates for electronic circuit boards), located at 1901 East Morgan Street, Kokomo, Indiana 46904.. A letter notifying the Office of Air Quality of a transfer of ownership was received on May 6, 2005.. Pursuant to the provisions of 326 IAC 2-6.1-6(d)(3) the permit is hereby revised as follows:

DuPont. transferred ownership of the source 1901 East Morgan Street, Kokomo, Indiana effective October 5, 2004. The source will operate under the name of Toppan Photomasks, Inc. The Authorized Individual is identified as Dave Furnish, Site General Manager. Mr. Furnish meets the requirements of an Authorized Individual identified in 326 IAC 2-1.1-1(1). The appropriate reporting form was updated to reflect the new operating name of the source.

All other conditions of the permit shall remain unchanged and in effect. The revised Registration is attached. 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 Gary Freeman, at (800) 451-6027, press 0 and ask for Gary Freeman or extension 3-5334, or dial (317) 233-5334.

Sincerely,

Original signed by  
Nysa L. James, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Updated pages  
NLJ/gkf

cc: File – Howard County  
Howard County Health Department  
Air Compliance Section Inspector: Marc Goldman  
Permit Review Section 1- Gary Freeman  
Billing, Licensing and Training Section - Chet Bohannon



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Mr. Dave Furnish  
Toppan Photomasks, Inc.  
1901 East Morgan Street  
P.O. Box 4088  
Kokomo, Indiana 46904-4088

Re: 067-21225-00066  
First notice Only Change  
Registered Operation Status  
**067-14962-00066**

Dear Mr. Furnish:

The application from Toppan Photomasks, Inc.(TPI), received on May 6, 2005, requested the transfer of ownership from DuPont Photomasks, Inc. (DPI). Toppan will acquire all the outstanding shares of (DPI). Following completion of the merger, DPI has become a wholly owned subsidiary of Toppan to be named Toppan Photomasks, Inc.

Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following equipment used in the manufacture of photomasks (templates for electronic circuit boards), located at 1901 East Morgan Street, Kokomo, Indiana 46904 are still classified as Registered:

- (a) One (1) proposed diesel-fueled emergency generator, rated at 300 kilowatts (kW) (400 horsepower (HP));
- (b) One (1) proposed CORE Process B, which will utilize non-VOC/HAP material;
- (c) One (1) existing natural gas-fired boiler, with a heat input capacity of 4.5 million British thermal units per hour (mmBtu/hr);
- (d) One (1) existing natural gas-fired boiler, with a heat input capacity of 3.5 mmBtu/hr;
- (e) Four (4) existing natural gas-fired space heaters each with a heat input capacity of 0.102 mmBtu/hr;
- (f) One (1) existing Standard Photomasks Process Line A, which consists of the following:
  - (1) Two (2) Ebeam Write processes, where microfine etches are printed on the photomasks, with a total maximum rated capacity of 7.3 masks per hour;
  - (2) Two (2) Develop/Rinse Tanks, each has a capacity of 2 cubic feet (ft<sup>3</sup>). The two (2) tanks have a total maximum usage of 1.19 pound of solvent per hour (mixture of Methyl Isoamyl Ketone and hexanone, used as developer and rinse);

- (3) Two (2) Process Etch Tanks, which are capable of using a maximum of 0.8 gallon of caustic soda and acids per hour each; and
- (4) Three (3) Open Top Vapor Degreasers, identified as VD-1, VD-2 and VD-3, each is capable of using 2.43 gallon of isopropyl alcohol per day.

The following conditions shall be applicable:

1. Visible Emission Limitations [326 IAC 5-1-2]

Pursuant to 326 IAC 5-1-2 (Visible Emission Limitations) except as provided in 326 IAC 5-1-3 (Temporary Exemptions), the visible emissions shall meet the following:

- (a) visible emissions shall not exceed an average of 40% opacity in 24 consecutive readings.
- (b) visible emissions shall not exceed 60% opacity for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period.

2. Particulate Matter Limitation [326 IAC 6-2-3(a)]

Pursuant to 326 IAC 6-2-3(a) (Particulate Emission Limitations for Sources of Indirect Heating), the particulate matter (PM) emissions from the 4.5 million BTU/hour (mmBtu/hr) boiler, V2 and the 3.5 mmBtu/hr boiler, V3 shall each be limited to 0.6 pound per million BTU heat input.

3. Open Top Vapor Degreaser [326 IAC 8-3-3]

Pursuant to 326 IAC 8-3-3, the owner or operator of the three (3) Open Top Vapor Degreasers, identified as VD-1, VD-2 and VD-3 shall:

- (a) equip the vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;
- (b) keep the cover closed at all times except when processing work loads through the degreaser;
- (c) minimize solvent carryout by:
  - (A) racking parts to allow complete drainage;
  - (B) moving parts in and out of the degreaser at less than 3.3 meters per minute (eleven (11) feet per minute);
  - (C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;
  - (D) tipping out any pools of solvent on the cleaned parts before removal; and
  - (E) allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;
- (d) not degrease porous or absorbent materials, such as cloth, leather, wood or rope;
- (e) not occupy more than half of the degreaser's open top area with the workload;
- (f) not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;
- (g) never spray above the vapor level;
- (h) repair solvent leaks immediately, or shut down the degreaser;
- (i) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, such that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;
- (j) not use workplace fans near the degreaser opening;
- (k) not allow visually detectable water in the solvent exiting the water separator; and
- (l) provide a permanent, conspicuous label summarizing the operating requirements.

4. Process Operations [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the Process Etch Tanks shall not exceed 0.551 pounds per hour when operating at a process weight rate of less than 0.05 ton per hour.

This registration is a revised registration which includes the construction of new emission units. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3)). The annual notice shall be submitted to:

**Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
Indianapolis, IN 46204**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

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  
Nysa L. James, Section Chief  
Permits Branch  
Office of Air Quality

NLJ/gkf

cc: File -Howard County  
Howard County Health Department  
Air Compliance - Marc Goldman  
Permit Review Section 1 – Gary Freeman  
Billing, Licensing and Training Section – Chet Bohannon

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3).

<b>Company Name:</b>	<b>Toppan Photomasks, Inc.</b>
<b>Address:</b>	<b>1901 East Morgan Street</b>
<b>City:</b>	<b>Kokomo</b>
<b>Authorized individual:</b>	<b>Dave Furnish, Site General Manager</b>
<b>Phone #:</b>	<b>(765) 854-7500</b>
<b>Registration #:</b>	<b>067-14962-00066</b>

I hereby certify that Toppan Photomasks, Inc. is still in operation and is in compliance with the requirements of **Registration 067-14962-00066**.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>