



# 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: April 10, 2008

RE: Indalex, Inc. / 039-26331-00581

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



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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April 10, 2008

Aaron M. Miller  
Indalex Inc.  
3406 Reedy Dr.  
Elkhart, Indiana 46514

Re: Registration Notice-Only Change  
No. R039-26331-00581

Dear Mr. Miller:

Indalex Inc. was issued a Registration No. R039-16964-00581 on June 12, 2003 for a stationary aluminum extrusion facility, located at 3406 Reedy Dr., Elkhart, Indiana 46514. On March 28, 2008, the Office of Air Quality (OAQ) received a letter requesting a notice-only change due to the installation of a new Billet furnace #3, replacing the existing Billet Furnace, identified as Billet furnace #3. The new Billet furnace is rated at 10.8 MMBtu per hour maximum capacity, replacing existing furnace rated at 8.3 MMBtu per hour. Additionally, the description of one Age oven, identified as one (1) Age oven #3, rated at 10.8 MMBtu per hour capacity, is corrected to reflect three (3) individual Age ovens, each rated at a maximum heat input capacity of 3.6 MMBtu/hour, for a total combined capacity of 10.8 MMBtu per hour. There is no change in emissions due to this descriptive change of the Age oven #3 because of the same combined rated capacity. Finally, the source requested to correct the heat input capacity for the forced air heater from .75MMBtu per hour to 0.075MMBtu per hour. The new Billet furnace will comply with the same applicable requirements and permit terms and conditions as the existing oven. This change to the registration is considered a notice-only change pursuant to 326 IAC 2-5.5-6(d)(2). The uncontrolled/unlimited potential to emit of the entire source will continue to be within the threshold levels specified in 326 IAC 2-5.5-1(b)(1). No new state rules are applicable to this source. There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) or National Emission standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in this notice-only change. See appendix A for the PTE of the new furnace and the entire source.

Additionally, the emission units in section A.2 and D.1 have been rearranged based on their type of operation.

Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

...

- (f) ~~One (1) Billet Furnace, identified as Billet Furnace #3, rated at (8.3) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #14.~~
- (c) **One (1) log oven, identified as Billet furnace #3, constructed in 2007, rated at 10.8 MMBtu per hour and exhausting at one (1) stack, identified as stack #14.**
- (i) ~~One (1) Age Oven, identified as Age Oven #3, rated at (10.8) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #17.~~
- (f) **Three (3) Age Ovens, identified as Age Ovens #3, #4, and #5, rated at 3.6 MMBtu per hour each and exhausting at three (3) stacks, with a combined rated capacity of 10.8 MMBtu per hour, identified as stacks #17, #36, and #37 respectively.**

...

- (j) One (1) Forced Air Heater, identified as #9, rated at ~~0.75~~ **0.075** million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #9.

The source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the revised registration and emission calculations.

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 Swarna Prabha, at (800) 451-6027, press 0 and ask for Swarna Prabha or extension 4-5376, or dial (317) 234-5376.

Sincerely

Original document signed by

Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

IC/SP

Attachment: Revised Registration and Emission Calculation

cc: File - Elkhart County  
Elkhart County Health Department  
Air Compliance Section  
IDEM North Regional Office  
Compliance Data Section  
Permits Administrative and Development  
Billing, Licensing and Training Section



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## REGISTRATION OFFICE OF AIR QUALITY

**Indalex, Inc.**  
**3406 Reedy Dr.**  
**Elkhart, Indiana 46514**

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. 039-16964-00581	
Issued by/Original signed by: Paul Dubenetzky, Chief Permits Branch Office of Air Quality	Issuance Date: June 12, 2003

First Registration Notice Only -Change No. 039-1806-00581, issued on September 18, 2003

Second Registration Notice-Only Change No. 039-26331-00581	
Issued by: <i>Original document signed by</i> Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 10, 2008

## SECTION A

## SOURCE SUMMARY

This registration is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Registrant to obtain additional permits pursuant to 326 IAC 2.

### A.1 General Information

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The Registrant owns and operates a stationary aluminum extrusion plant.

Source Address:	3406 Reedy Dr., Elkhart, Indiana 46514
Mailing Address:	3406 Reedy Dr., Elkhart, Indiana 46514
General Source Phone Number:	(574) 262-2667
SIC Code:	3354
County Location:	Elkhart County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

### A.2 Emission Units and Pollution Control Equipment Summary

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This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) Open Top Degreaser, identified as #32.
- (b) Two (2) Billet Furnaces, identified as Billet Furnaces #1 and #2, rated at (5.4) million British thermal units (MMBtu) per hour each and each exhausting at one (2) stacks, identified as Stacks #13 and #12 respectively.
- (c) One (1) log oven, identified as Billet furnace #3, constructed in 2007, rated at 10.8 MMBtu per hour and exhausting at one (1) stack, identified as stack #14.
- (d) One (1) Age Oven, identified as Age Oven #1, rated at (2.5) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #15.
- (e) One (1) Age Oven, identified as Age Oven #2, rated at five (5) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #16.
- (f) Three (3) Age Ovens, identified as Age Ovens #3, #4, and #5, rated at 3.6 MMBtu per hour each, with a combined capacity of 10.8 MMBtu per hour, and exhausting at three (3) stacks, identified as stacks #17, #36, and #37 respectively.
- (g) Two (2) Caustic Heaters, identified as #10 and #11, rated at (0.15) million British thermal units (MMBtu) per hour each.
- (h) One (1) Make-up units, identified as #1, rated at four (4) million British thermal units (MMBtu).
- (i) Seven (7) Forced Air Heaters, identified as #2 - #8, rated (0.25) million British thermal units (MMBtu) per hour each and each exhausting at seven (7) stacks, identified as Stacks #2 - #8 respectively.
- (j) One (1) Forced Air Heater, identified as #9, rated at (0.075) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #9.

- (k) Thirteen (13) Space Heaters, identified as #18 - #30, rated at (0.2) million British thermal units (MMBtu) per hour each and each exhausting at one (1) stack, identified as Stacks #18 - #30 respectively.
- (l) One (1) Space Heater, identified as #31, rated at (0.15) million British thermal units (MMBtu) per hour and exhausting at one (1) stack, identified as Stack #31.
- (m) Two (2) Torch Cutters, identified as #34 and #35.

## SECTION B

## GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-1.1-1]

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Terms in this registration shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

### B.2 Effective Date of Registration [IC 13-15-5-3]

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Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

### B.3 Registration Revocation [326 IAC 2-1.1-9]

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Pursuant to 326 IAC 2-1.1-9 (Revocation), this registration to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM, the fact that continuance of this registration is not consistent with purposes of this article.

### B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

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- (a) All terms and conditions of permits established prior to Registration No. 039-16964-00581 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

### B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

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Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this registration.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

**B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]**

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Pursuant to 326 IAC 2-5.5-6(a), 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.

**B.7 Registrations [326 IAC 2-5.1-2(i)]**

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Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

**SECTION C**

**SOURCE OPERATION CONDITIONS**

Entire Source

**Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]**

**C.1 Opacity [326 IAC 5-1]**

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 registration:

- (a) Opacity shall not exceed an average of forty percent (40%) 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.

**C.2 Fugitive Dust Emissions [326 IAC 6-4]**

The Registrant shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

## SECTION D.1

## OPERATION CONDITIONS

### Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- (a) One (1) Open Top Degreaser, identified as #32.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

#### D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-3]

Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreaser Operation), Indalex Inc. shall:

- (1) equip the vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;
- (2) keep the cover closed at all times except when processing work loads through the degreaser;
- (3) 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;
- (4) not degrease porous or absorbent materials, such as cloth, leather, wood or rope;
- (5) not occupy more than half of the degreaser's open top area with the workload;
- (6) not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;
- (7) never spray above the vapor level;
- (8) repair solvent leaks immediately, or shut down the degreaser;
- (9) 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;
- (10) not use workplace fans near the degreaser opening;
- (11) not allow visually detectable water in the solvent exiting the water separator; and
- (12) provide a permanent, conspicuous label summarizing the operating requirements.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH**

**REGISTRATION  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

<b>Company Name:</b>	Indalex Inc.
<b>Address:</b>	3406 Reedy Dr.
<b>City:</b>	Elkhart, Indiana 46514
<b>Phone Number:</b>	(765) 262-2667
<b>Registration No.:</b>	039-16964-00581

I hereby certify that Indalex Manufacturing is :

still in operation.

I hereby certify that Indalex Manufacturing is :

no longer in operation.

in compliance with the requirements  
of Registration No. 039-16964-00581.

not in compliance with the requirements  
of Registration No. 039-16964-00581.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Phone Number:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>

**Appendix A: Emissions Calculations  
Emission Summary**

**Company Name: Indalex, Inc.**  
**Address City IN Zip: Elkhart, Indiana 46514**  
**Permit Number: 039-16964-00581**  
**Registration Notice-Only Change No. : 039-26331-00581**  
**Reviewer: Swarna Prabha**

PTE of Criteria pollutants

	<b>PM/PM10</b>	<b>SO2</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>
Combustion Units	1.19	0.13	20.94	1.15	17.59
Degreasing unit	0	0	0	0.08	0
Torch Cutters	0.26	0	0	0	0
<b>Total</b>	<b>1.45</b>	<b>0.13</b>	<b>20.94</b>	<b>1.23</b>	<b>17.59</b>

<b>HAPS</b>	<b>BTU/hr</b>	<b>MMBTU/hr</b>	<b>EF (lb/MMCF)</b>	<b>EF (lb/MMBTU)</b>	<b>PTE (lb/hr)</b>	<b>PTE (t/yr)</b>
<b>Butane</b>	1	46.95	2.1	0.002	0.097	0.42
<b>Ethane</b>	1	46.95	3.1	0.003	0.143	0.62
<b>Hexane</b>	1	46.95	1.8	0.002	0.083	0.36
<b>Pentane</b>	1	46.95	2.6	0.003	0.120	0.52
<b>Propane</b>	1	46.95	1.6	0.002	0.074	0.32
<b>Other</b>	1	46.95	0.08	0.000	0.004	0.02
				Total		<b>2.27</b>
				Single highest		<b>0.62</b>

**Appendix A: Emissions Calculations  
Combustion Units**

**Company Name: Indalex, Inc.**  
**Address City IN Zip: Elkhart, Indiana 46514**  
**Permit Number: 039-16964-00581**  
**Registration Notice-Only Change No. : 039-26331-00581**  
**Reviewer: Swarna Prabha**

Unit	# of units	BTU/ Unit	Total BTU/hr
Make Up Unit	1	4,000,000	4,000,000
Forced Air Heater	7	250,000	1,750,000
Forced Air Heater	1	75,000	75,000
Caustic Heater	2	150,000	300,000
Billet Furnaces	2	5,400,000	10,800,000
*Billet Furnace #3			0
<b>Billet Furnace #3</b>	<b>1</b>	<b>10,800,000.0</b>	<b>10,800,000.0</b>
Age Oven	1	2,500,000	2,500,000
Age Oven	1	5,000,000	5,000,000
Age Oven	1	10,800,000	10,800,000
Space Heater	13	200,000	2,600,000
Space Heater	1	150,000	150,000
<b>Total</b>			<b>48,775,000</b>

\*Furnace replaced by Billet Furnace #3

Pollutant	BTU/hr	MMBTU/hr	EF (lb/MMCF)	EF (lb/MMBTU)	PTE (lb/hr)	PTE (t/yr)
<b>PM/PM10</b>	48,775,000	48.775	5.7	0.006	0.273	1.19
<b>SO2</b>	48,775,000	48.775	0.6	0.001	0.029	0.13
<b>NOx</b>	48,775,000	48.775	100	0.098	4.782	20.94
<b>VOC</b>	48,775,000	48.775	5.5	0.005	0.263	1.15
<b>CO</b>	48,775,000	48.775	84	0.082	4.017	17.59

HAPS	BTU/hr	MMBTU/hr	EF (lb/MMCF)	EF (lb/MMBTU)	PTE (lb/hr)	PTE (t/yr)
<b>Butane</b>	48,775,000	46.95	2.1	0.002	0.097	0.42
<b>Ethane</b>	48,775,000	46.95	3.1	0.003	0.143	0.62
<b>Hexane</b>	48,775,000	46.95	1.8	0.002	0.083	0.36
<b>Pentane</b>	48,775,000	46.95	2.6	0.003	0.120	0.52
<b>Propane</b>	48,775,000	46.95	1.6	0.002	0.074	0.32
<b>Other</b>	48,775,000	46.95	0.08	0.000	0.004	0.02
				Total		<b>2.27</b>
				Single highest Hap Ethane		<b>0.62</b>