



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

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

**Michael R. Pence**  
Governor

**Thomas W. Easterly**  
Commissioner

TO: Interested Parties / Applicant

DATE: October 23, 2013

RE: Niagara LaSalle Corporation / 089-33685-00220

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.dot 6/13/2013



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Mr. Robert L. Dubbert  
Niagara LaSalle Corporation  
1412 150th Street  
Hammond, IN 46327

October 24, 2013

Re: 089-33685-00220  
Administrative Amendment to  
M089-21749-00220

Dear Mr. Dubbert:

Niagara LaSalle Corporation was issued a Minor Source Operating Permit (MSOP) Renewal No. M089-21749-00220 on June 08, 2007 for a stationary cold finishing steel shapes located at 1412 150th Street Hammond, IN 46327. On September 25, 2013, the Office of Air Quality (OAQ) received an application from the source requesting a change to the name of the facility and updating a 326 IAC 6.8-2 limit.

1. Pursuant to 326 IAC 2-6.1-6(d)(3), this change to the permit is considered an Administrative Amendment because the permit is amended to indicate a change in ownership or operational control of the source where there is no other necessary change in the permit.

The company name has been revised throughout the permit as follows:

Company Name: **LaSalle Steel Company**  
**Niagara LaSalle Corporation**

2. Pursuant to 326 IAC 2-6.1-6(d)(5)(A), this change to the permit is considered an administrative amendment because the permit is amended to incorporate or delete applicable requirements as a result of a change in applicability and there is no new equipment and no change to the operations or processes.

### PTE of the Entire Source After Issuance of the MSOP Administrative Amendment

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP Administrative Amendment (tons/year)								
	PM	PM10*	PM2.5*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	GHGs as CO <sub>2</sub> e**	Total HAPs
Natural Gas Combustion	0.83	3.33	3.33	0.26	43.77	2.41	36.77	52,843.5 8	0.83
Pagborn Mechanical Coil Descaler	13.78 2.45	negl. 2.11	2.11	-	-	-	-	-	-
No. 3 Roller Hearth Furnace	0.25 0.12	0.25 0.46	0.46	0.02	3.34 9.11	0.28 1.05E-02	2.80 6.31E-02	-	-
Four (4) Wire Bay Space Heaters	0.07	0.07	-	0.01	0.86	0.05	0.72	-	-



Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP Administrative Amendment (tons/year)								
	PM	PM10*	PM2.5*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	GHGs as CO <sub>2</sub> e**	Total HAPs
#10 Induction Furnace	0.04	4.12	-	-	-	-	-	-	-
Screw Heath Line	-	-	-	-	-	13.39	-	-	-
Wheelabrator Shot Blasting Operations East #1 and West #2 Shot Blasting	negl- 4.91	0.09 11.26	4.22	-	-	-	-	-	-
Mammoth Space Heater East	0.05	0.05	-	negl.	0.67	0.04	0.56	-	-
Mammoth Space Heater West	0.05	0.05	-	negl.	0.67	0.04	0.56	-	-
Three (3) Building 70 Space Heaters	0.06	0.06	-	negl.	0.83	0.05	0.70	-	-
Two (2) Building 60 Space Heaters	0.06	0.06	-	negl.	0.83	0.05	0.70	-	-
Cold Finished Steel Bars from Hot Rolled Bar Process	1.52	1.52	-	0.12	20.02	1.10	16.82	-	negl.
Nine (9) Space Heat Units	0.16	0.16	-	0.04	2.07	0.11	1.74	-	-
Hardening Furnace	0.54	0.54	-	0.04	7.15	4.11	6.04	-	-
Tempering Furnace	0.39	0.39	-	0.03	5.18	4.00	4.35	-	-
Reservoir Tank Furnace	0.03	0.03	-	negl.	0.42	0.02	0.35	-	-
Coil Drawing Line No. 5	4.26 1.40	negl. 1.21	1.21	-	-	-	-	-	-
Total PTE of Entire Source	21.26 10.46	22.47	12.06	0.26	52.88	15.81	36.83	52,844	0.83
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25
PSD Major Source Thresholds**	250	250	250	250	250	NA	250	100,000	--
Emission Offset Thresholds	--	--	--	--	100	100	--	NA	NA

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this MSOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/ Emission Unit	Potential To Emit of the Entire Source Prior After Issuance of MSOP Administrative Amendment (tons/year)								
	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	GHGs as CO <sub>2</sub> e**	Total HAP
Natural Gas Combustion	0.83	3.33	3.33	0.26	43.77	2.41	36.77	52,843.58	0.83
Pangborn Descaler*	2.45	2.11	2.11	-	-	-	-	-	-
No. 3 Roller Hearth Furnace	0.12	0.46	0.46	-	9.11	1.05E-02	6.31E-02	-	-
Screw Hearth Line	-	-	-	-	-	13.39	-	-	-
East #1 and West #2 Shot Blasting	4.91	11.26	4.22	-	-	-	-	-	-
Coil Drawing Line No. 5*	1.40	1.21	1.21	-	-	-	-	-	-
<b>Total PTE of Entire Source</b>	<b>9.71</b>	<b>18.35</b>	<b>11.32</b>	<b>0.26</b>	<b>52.88</b>	<b>15.88</b>	<b>36.83</b>	<b>52,844</b>	<b>0.83</b>
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	10
PSD Major Source Thresholds**	250	250	250	250	250	NA	250	100,000	--
Emission Offset Thresholds	--	--	--	--	100	100	--	NA	NA

Pursuant to the provisions of 326 IAC 2-6.1-6, the permit is hereby amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**.

**Additional Changes**

IDEM, OAQ made additional revisions to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

**Changes Affecting Conditions Throughout the Permit**

- (a) *Multiple Conditions - Mailing Address*  
 IDEM, OAQ has decided to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address.
- (b) *Multiple Conditions - Certification Requirement References*  
 IDEM, OAQ has determined that rather than having a Certification condition and various references throughout the permit as to whether a particular report, notice, or correspondence needs to include a certification, the specific conditions shall state if an affirmation of truth and completeness is required. The certification condition has been removed. All statements whether a Certification, pursuant to the former Section B - Certification, is needed or not have been removed. Section B - Credible Evidence and Section C - Asbestos Abatement Projects still require certification as the underlying rules also require Certifications.

- (c) *Multiple Conditions - Branch Name Updates*  
Several of IDEM's Branches and Sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to Permit Administration and Development Section and the Permits Branch have been changed to Permit Administration and Support Section. References to Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to Compliance and Enforcement Branch.
- (d) *Multiple Conditions - Timeframe References*  
IDEM, OAQ has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore, all references to timelines have been revised to "no later than" or "not later than".
- (e) *Multiple Conditions - Typographical Errors, Language Clarification*  
Throughout the permit, typographical and grammatical errors have been corrected. Additionally, changes to language for clarification or to align with the current preferred permit language conventions have been made.
- (f) *Multiple Conditions - Hammond Department of Environmental Management*  
IDEM, OAQ has remove all references to Hammond Department of Environmental Management.
- (g) *Multiple Conditions - No. 10 Induction Furnace*  
IDEM, OAQ, has added a statement to this unit description explaining that the furnace have been dismantled but is still on site.

**Changes Specific to Section A of the Permit**

- (a) Section A.1 has been revised to indicate that Lake County is now in unclassifiable or attainment for the PM2.5 standard.
- (b) Section A.1 has been updated to reflect the new general information of the source.
- (c) A note has been added to Section A.2 for the No. 10 Induction Furnace explaining how it is no longer being used.

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) ~~and the Hammond Department of Environmental Management (IDEM).~~ The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee 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 Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary cold finishing of steel shapes operation.

Source Address: 1412 150<sup>th</sup> Street, Hammond, Indiana 46327  
~~Mailing Address: 1412 150<sup>th</sup> Street, Hammond, Indiana 46327~~  
General Source Phone Number: (219) 853-6233  
SIC Code: 3316 — ~~Cold Finishing of Steel Shapes~~  
County Location: Lake

Source Location Status: ~~Attainment/Unclassifiable for PM10, SO<sub>2</sub>, CO, NO<sub>2</sub> and Lead,~~  
Nonattainment area for PM2.5 and 8-hour ozone  
**Attainment for all other criteria pollutants**  
**GHGs are less than 100,000 tons of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) per year**

Source Status: Minor Source Operating Permit Program  
Minor Source, under PSD and Emission Offset Rules;  
Minor Source, Section 112 of the Clean Air Act; ~~and~~  
Not 1 of 28 Source Categories

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

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This stationary source **consists of** ~~is approved to operate~~ the following emissions units and pollution control devices:

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- (e) One (1) No. 10 Induction Furnace, constructed in 1979, with a maximum design rate of 1.71 tons/hr. Particulate emissions are controlled by a Uni-wash dust collector efficient in eliminating oily smoke, stack identified as S-6.

**No. 10 Induction Furnace has been locked out of service but is still on site. In September of 2011, the 1,600 amp disconnect was removed from the transformer substation. Without the 1,600 amp disconnect, No. 10 Induction Furnace cannot operate. The source plans on removing the furnace fully at some point in the future.**

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#### Changes Specific to Section B and C of the Permit

- (a) *Section B - Preventive Maintenance Plan*  
IDEM, OAQ has added a new paragraph (b) to handle a future situation where the Permittee adds units that need Preventive Maintenance Plans developed. IDEM, OAQ has also decided to clarify other aspects of Section B - Preventive Maintenance Plan.
- (b) *Section B - Permit Renewal*  
IDEM, OAQ has decided to state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.
- (c) *Section C - Opacity*  
IDEM, OAQ has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.
- (d) *Section C - Incineration*  
IDEM, OAQ has revised Section C - Incineration to more closely reflect the two (2) underlying rules.
- (e) *Section C - Fugitive Particulate Matter Emissions*  
IDEM, OAQ has changed the title, order, and wording of the condition formerly entitled Section C - Fugitive Dust Emissions to match 326 IAC 6.8-10-3. IDEM, OAQ has decided not to list the submission date of the Fugitive Dust Plan because the plan has been included with the permit and requires permit action to change the plan.
- (f) *Section C - Asbestos Abatement Projects*  
IDEM, OAQ has revised paragraph (g) of Section C - Asbestos Abatement Projects to match the rule language in 326 IAC 14-10-1(a).

- (g) *Section C - Performance Testing*  
IDEM, OAQ has removed the first paragraph of Section C - Performance Testing due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.
- (h) *Section C - Monitoring Methods*  
IDEM, OAQ has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.
- (i) *Section C - Instrument Specifications*  
IDEM has clarified Section C - Instrument Specifications to indicate that the analog instrument must be capable of measuring the parameters outside the normal range.
- (j) *Section C - Response to Excursions or Exceedances*  
IDEM, OAQ has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.
- (k) *Section C - Actions Related to Noncompliance Demonstrated by a Stack Test*  
IDEM, OAQ has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was revised from "the receipt of the test results" to "the date of the test". There was confusion if the "receipt" was by IDEM, the Permittee or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.
- (l) *Section C - Emission Statement*  
IDEM, OAQ decided to remove paragraph (c) of Section C - Emission Statement since it was duplicative of the requirement in Section C - General Reporting Requirements. The Permittee is subject to 326 IAC 2-6. The requirement was not in the permit. IDEM has added the requirement.
- (m) *Section C - General Record Keeping Requirements*  
The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

SECTION B GENERAL CONDITIONS

B.2 Permit Term [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

- (a) This permit, ~~MSOP M089-21749-00220~~, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ ~~and HDEM~~, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.4 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM ~~and HDEM~~, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.7 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ ~~and HDEM~~, within a reasonable time, any information that IDEM, OAQ ~~and HDEM~~ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. ~~The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and HDEM copies of records required to be kept by this permit.~~
- (b) \*\*\*

B.8 Certification

- (a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~
- (b) ~~One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.~~
- (c) ~~An "authorized individual" is defined at 326 IAC 2-1.1-1(1).~~

B.98 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality ~~and HDEM~~ stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (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 **and Enforcement** Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, IN **Indiana** 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue—Room 304  
Hammond, Indiana 46320~~

- (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 ~~and HDEM~~ on or before the date it is due.

**B.409** Preventive Maintenance Plan [326 IAC 1-6-3]

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- (a) ~~If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement A Preventive Maintenance Plans (PMPs) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum the following information on each facility:~~  
\*\*\*

**The Permittee shall implement the PMPs.**

- (b) **If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:**
- (1) **Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;**
  - (2) **A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and**
  - (3) **Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.**

**If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:**

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

**The Permittee shall implement the PMPs.**

- (cb) A copy of the PMPs shall be submitted to IDEM, OAQ ~~and HDEM~~ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ ~~and~~

~~HDEM~~. IDEM, OAQ and ~~HDEM~~ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. ~~The PMPs do not require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

(de) \*\*\*

**B.140** Prior Permits Superseded [326 IAC 2-1.1-9.5]

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(a) All terms and conditions of permits established prior to ~~MSOP M089-21749-00220~~ and issued pursuant to permitting programs approved into the state implementation plan have been either:  
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(b) \*\*\*

**B.121** Termination of Right to Operate [326 IAC 2-6.1-7(a)]

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ~~ninety (90)~~ **one hundred twenty (120)** days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.132** Permit Renewal [326 IAC 2-6.1-7]

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(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and ~~HDEM~~ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require **an affirmation that the statements in the application are true and complete** certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits **Administration and Support Section** Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue — Room 304  
Hammond, Indiana 46320~~

(b) A timely renewal application is one that is:

- (1) Submitted at least ~~ninety (90)~~ **one hundred twenty (120)** days prior to the date of the expiration of this permit; and
- (2) 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 is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and ~~HDEM~~ on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ and HDEM takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, **pursuant to 326 IAC 2-6.1-4(b)**, in writing by IDEM, OAQ and HDEM any additional information identified as being needed to process the application.

**B.143** Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

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(a) \*\*\*

(b) \*\*\*

Indiana Department of Environmental Management  
Permits **Administration and Support Section** Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue — Room 304  
Hammond, Indiana 46320~~

~~Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- (c) The Permittee shall notify the OAQ and HDEM ~~within~~ **no later than** thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

**B.154** Source Modification Requirement

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**B.165** Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC13-17-3-2][IC 13-30-3-4]

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, and HDEM or an authorized representative to perform the following:

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**B.176** Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

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(a) \*\*\*

(b) \*\*\*

Indiana Department of Environmental Management  
Permits **Administration and Support Section** Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue — Room 304  
Hammond, Indiana 46320

The application which shall be submitted by the Permittee does require ~~the certification~~ **an affirmation that the statements in the application are true and complete** by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(c) \*\*\*

**B.187 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees to ~~IDEM~~ **within due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ billing.**
- (b) The Permittee may call the following telephone number: **1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section),** ~~219-853-6306~~ to determine the appropriate permit fee.

**B.198 Credible Evidence [326 IAC 1-1-6]**

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**SECTION C SOURCE OPERATION CONDITIONS**

**C.1 Permit Revocation [326 IAC 2-1.1-9]**

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- (e) For any cause which establishes in the judgment of IDEM ~~and HDEM~~, the fact that continuance of this permit is not consistent with purposes of this article.

**C.2 Opacity [326 IAC 5-1]**

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Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in **326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations)**, opacity shall meet the following, unless otherwise stated in this permit:

\*\*\*

**C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]**

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The Permittee shall not operate an incinerator ~~or incinerate any waste or refuse~~ except as provided in 326 IAC 4-2 **or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit and 326 IAC 9-1-2.**

**C.6 Fugitive Particulate Matter Dust Emissions [326 IAC 6.8-10-3]**

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~~The Permittee shall be in violation of~~ **Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), if the opacity of fugitive particulate emissions exceeds ten percent (10%), the particulate matter emissions from source wide activities shall meet the following requirements:**

- (a) **The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).**
- (b) **The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).**

- (c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) Material processing facilities shall include the following:

  - (1) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
  - (2) The PM<sub>10</sub> emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (3) The PM<sub>10</sub> stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (4) The opacity of fugitive particulate emissions from the material processing facilities, except a crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.
  - (5) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).
- (i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (j) Material transfer limits shall be as follows:

  - (1) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
  - (2) Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%), three (3) minute average.
  - (3) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:

    - (A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.

**(B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).**

**(k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.**

**The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.**

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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(d) \*\*\*

Indiana Department of Environmental Management  
**Compliance and Enforcement Branch-Asbestos Section**, Office of Air Quality  
100 North Senate Avenue  
MC 61-5352 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue — Room 304  
Hammond, Indiana 46320~~

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. ~~The notifications do not require a certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

\*\*\*

(g) Indiana ~~Accredited~~ **Licensed** Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana ~~Accredited~~ **Licensed** Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana ~~Accredited~~ **Licensed** Asbestos inspector is not federally enforceable.

C.8 Performance Testing [326 IAC 3-6]

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(a) ~~All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.~~

**For performance testing required by this permit**, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance **and Enforcement Branch** ~~Data Section~~, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue—Room 304  
Hammond, Indiana 46320~~

no later than thirty-five (35) days prior to the intended test date. ~~The protocol submitted by the Permittee does not require certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

- (b) The Permittee shall notify IDEM, OAQ ~~and HDEM~~ of the actual test date at least fourteen (14) days prior to the actual test date. ~~The notification submitted by the Permittee does not require certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ ~~and HDEM~~ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ ~~and HDEM~~ if the Permittee submits to IDEM, OAQ ~~and HDEM~~, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

~~C.11 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]~~

~~Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.~~

~~C.4211 Instrument Specifications [326 IAC 2-1.1-11]~~

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. **The analog instrument shall be capable of measuring values outside of the normal range.**
- (b) \*\*\*

~~C.132 Response to Excursions or Exceedances~~

~~(a) Upon detecting an excursion ~~or~~ where a response step is required by the D Section or an exceedance of a limitation in this permit:~~

- (a) The Permittee shall **take reasonable response steps** to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing **excess** emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction ~~and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions).~~ **Corrective actions. The response** may include, but ~~is~~ **is** not limited to, the following:

- (1) initial inspection and evaluation;
  - (2) recording that operations returned **or are returning** to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to ~~within the indicator range, designated condition, normal or below the applicable emission limitation or standard, as applicable~~ **usual manner of operation.**
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
- (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; **and/or**
  - (3) inspection of the control device, associated capture system, and the process.
- (d) \*\*\*
- (e) The Permittee shall ~~maintain~~ **record** the **reasonable response steps taken.** following records:
- (1) ~~monitoring data;~~
  - (2) ~~monitor performance data, if applicable; and~~
  - (3) ~~corrective actions taken.~~

**C.143** Actions Related to Noncompliance Demonstrated by a Stack Test

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall ~~take appropriate response actions. The Permittee shall submit a description of these~~ **its** response actions to IDEM, OAQ and HDEM ~~within thirty (30) no later than seventy-five (75) days of receipt after the date of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.~~
- (b) A retest to demonstrate compliance shall be performed ~~within~~ **no later than** one hundred ~~eighty twenty (1820) days of receipt of~~ **after the original date of the test results.** Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~eighty twenty (1820) days~~ **eighty twenty (1820) days** is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

~~The response action documents submitted pursuant to this condition do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

**C.154** Malfunctions Report [326 IAC 1-6-2]

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) \*\*\*
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ and HDEM, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) \*\*\*
- (d) \*\*\*

C.165 Emission Statement [326 IAC 2-6]

- ~~(a)~~ Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit an emission statement by July 1 following a calendar year when the source emits oxides of nitrogen or volatile organic compounds into the ambient air equal to or greater than twenty five (25) tons. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-50 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue Room 304  
Hammond, Indiana 46320~~

~~The emission statement does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b)~~ The emission statement required by this permit 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 and HDEM on or before the date it is due.

C.17 Annual Emission Inventory [Hammond Ordinance No. 7102]

- ~~(a)~~ The Permittee shall submit an annual emission inventory containing production information, fuel usage and estimated actual emissions of criteria pollutants for each permitted unit. The emission inventory must be received by April 15<sup>th</sup> of each year. The submittal should cover the twelve (12) consecutive month time period starting January 1 and ending December 31. This is a local requirement only. The emission inventory must be submitted to:

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue - Room 304  
Hammond, Indiana 46320~~

~~This inventory does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b) The emission inventory required by this permit 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 HDEM on or before the date it is due.~~

C.4816 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner ~~or HDEM~~ makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner ~~or HDEM~~ within a reasonable time.
- (b) Unless otherwise specified in this permit, **for** all record keeping requirements not already legally required, **the Permittee** shall be implemented within **allowed up to** ninety (90) days **from the date** of permit issuance **or the date of initial start-up, whichever is later, to begin such record keeping.**

C.4917 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management  
Compliance **and Enforcement Branch** ~~Data Section~~, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

~~Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue - Room 304  
Hammond, Indiana 46320~~

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit 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 ~~and HDEM~~ on or before the date it is due.
- ~~(c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

(dc) \*\*\*

**Changes Specific to Section D and Forms of the Permit**

- (a) Section D.1 has been updated to include the requirements for the Coil Drawing Line No. 5. Section D.11 has been removed because the new Section D.1 will cover the requirements for the Coil Drawing Line No. 5.
- (b) For clarity, IDEM, OAQ has changed references to the general conditions such as "in accordance with Section B", "in accordance with Section C", or other similar language to "Section C...contains the Permittee's obligation with regard to the records required by this condition.
- (c) IDEM, OAQ has decided to clarify Section D - Testing Requirements to state that testing shall be done in accordance with 326 IAC 3-6 instead of in accordance with another permit condition that refers to 326 IAC 3-6. The testing language has also been updated to reflect that the first required test for the Wheelabrator No. 1 (East) and No. 2 (West) Shot Blasting Operations were completed. The first test was done on August 20, 2007.
- (d) IDEM, OAQ has included the replacement of an instrument as an acceptable action in the Parametric Monitoring Conditions.
- (e) IDEM, OAQ has revised the language in the parametric monitoring conditions to clarify when a range should be modified due to test results.
- (f) IDEM, OAQ has revised the language in visible emission notations to clarify that a reasonable response may contain one or more steps.
- (g) With no operation conditions associated with the equipment in Sections D.2, D.3, D.6, D.7, D.8, D.9, D.10, D.12, and D.13, these sections have been removed from the permit.
- (h) Section D.5 has been removed because the equipment is no longer use.
- (i) IDEM, OAQ has revised the language of the forms to clarify them.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) \*\*\*

(k) **One (1) Coil Drawing Line No. 5, constructed in 1995, which includes uncoiling, pointing, shotblasting, drawing, cutting, straightening, polishing, defect testing, and bundling of steel coils. This line includes an in-line shotblaster with a maximum process rate of 0.04 tons/hr of steel shot used. Particulate emissions from the shotblaster are controlled by a Torit cartridge-type dust collector. Stack identified as S-15.**

\*\*\*

D.1.1 Particulate Matter (PM) [326 IAC 6.8-1-2(a)]

Pursuant to 326 IAC 6.8-1-2(a) (~~formerly 326 IAC 6-1-2(a)~~) (Nonattainment Area Particulate Limitations), particulate matter (PM) emissions from the Pangborn Mechanical Descaler **and Coil Drawing Line No. 5** shall be limited to 0.03 grain per dry standard cubic foot of exhaust air.

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan **is required for these facilities and any control devices.** ~~in accordance with~~ Section B - Preventive Maintenance Plan **contains the Permittee's obligation**

~~with regard to the preventive maintenance plan required by this condition, of this permit, is required for this facility and its control device.~~

#### D.1.3 Particulate Control

---

- (a) ~~Pursuant to OP# 01773, issued on April 7, 2000, and to comply with~~ **In order to ensure compliance with Condition D.1.1, the Tenkay-Farr Cartridge Dust Collection System and Riga-Flo 200 Filter Collector for PM control shall be in operation and control emissions from the Pangborn Mechanical Coil Descaler at all times when the Pangborn Mechanical Coil Descaler is in operation.**
- (b) **In order to ensure compliance with Condition D.1.1, the Torit cartridge-type dust collector for PM control shall be in operation and control emissions from the in-line shotblaster, associated with the Coil Drawing Line No. 5, at all times when the in-line shotblaster is in operation.**
- (c) \*\*\*

#### D.1.4 Visible Emissions Notations

---

- (a) ~~Daily~~ Visible emission notations of the Pangborn Mechanical Coil Descaler **and the in-line shotblaster, associated with the Coil Drawing Line No. 5** stack exhausts shall be performed **once per day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) \*\*\*
- (c) \*\*\*
- (d) \*\*\*
- (e) If abnormal emissions are observed, the Permittee shall take a reasonable response. ~~steps in accordance with Section C- Response to Excursions or Exceedances~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** Failure to take response steps ~~in accordance with Section C- Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

#### D.1.5 Parametric Monitoring

---

The Permittee shall record the pressure drop across the Riga-Flo 200 filter collector used in conjunction with the Pangborn Mechanical Coil Descaler and **Torit cartridge-type dust collector used in conjunction with the in-line shotblaster, associated with the Coil Drawing Line No. 5** at least once ~~per day~~ **per day** daily when the ~~associated~~ Pangborn Mechanical Coil Descaler ~~or Coil Drawing Line No. 5, is are~~ in operation. When, for any one reading, the pressure drop across the collector is outside the normal range, **the Permittee shall take a reasonable response. The normal range for these units is a pressure drop between of 1.0 to 5.5 inches of water unless a different upper-bound or lower-bound value for this range is determined** ~~or a range established during the latest stack test. the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances~~ **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C- Response to Excursions or Exceedances,~~ shall be considered a deviation from this permit.

The instruments used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, ~~and IDEM~~ and shall be calibrated **or replaced** at least once every six (6) months.

#### D.1.6 Broken or Failed Filter Detection

---

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as **an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions)**. a malfunction.
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as **an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions)**. a malfunction.

\*\*\*

#### D.1.7 Record Keeping Requirements

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- (a) To document **the compliance status** with Condition D.1.4, the Permittee shall maintain records of daily visible emission notations of **both** the Pangborn Mechanical Coil Descaler **and the Coil Drawing Line No. 5** stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (b) To document **the compliance status** with Condition D.1.5, the Permittee shall maintain a daily record of the pressure drop across the **dust** collector controlling the Pangborn Mechanical Coil Descaler **and in-line shotblaster**. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C—General Record Keeping Requirements, of this permit. **Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligation with regard to the records required by this condition.**

### SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: ~~One (1) Fennel Corporation No. 3 Roller Hearth Furnace, constructed in 1979, with a maximum design capacity of 8.0 MMBtu/hr heat input, natural gas-fired, using no control equipment and exhausting at one (1) stack, identified as S-3.~~

~~(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 2-6.1-5(a)(1)]

~~D.2.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

---

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur~~

~~Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS~~

Emissions Unit Description: Four (4) Wire Bay Space Heaters, three (3) with a maximum design capacity of 1.6 MMBtu/hr heat input, constructed in 1979, and one (1) with a maximum design capacity of 0.35 MMBtu/hr heat input, constructed in 1996, (5.15 MMBtu/hr combined), natural gas fired, using no control equipment, and exhausting inside the building, stack identified as S-4.

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

~~Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]~~

~~D.3.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.3.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.42 EMISSIONS UNIT OPERATION CONDITIONS~~

Emissions Unit Description:

~~(d) \*\*\*  
\*\*\*~~

~~D.42.1 Particulate Matter less than 10 microns (PM<sub>10</sub>) [326 IAC 6.8-2-20]~~

~~Pursuant to 326 IAC 6.8-2-20 (formerly 326 IAC 6-1-10.1(d)) (Lake County PM<sub>10</sub> emission requirements), the PM<sub>10</sub> emissions from the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation shall be limited to **0.086** 0.004 lbs/ton and **2.57** 0.020 lbs/hr as specifically listed in 326 IAC 6.8-2-20.~~

~~D.-42.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan **is required for these facilities and any control devices.** , in accordance with Section B - Preventive Maintenance Plan **contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.** , of this permit, is required for this facility and its control device.~~

~~D.-42.3 Testing Requirements [326 IAC 2-1.1-11]~~

~~Within 180 days of the issuance of this permit, In order to demonstrate compliance with Condition~~

D.42.1, the Permittee shall perform PM10 testing ~~of on the stack serving both shot blasting operations~~ utilizing methods as approved by the Commissioner **at least once every five (5) years from the date of the most recent valid compliance demonstration.** ~~Both shot blasting operations shall be in operation during the test. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.~~ Testing shall be conducted in accordance with **the provisions of 326 IAC 3-6 (Source Sampling Procedures).** Section C- Performance Testing **contains the Permittee's obligation with regard to the performance testing required by this condition.**

#### D.42.4 Particulate Control

---

- (a) ~~Pursuant to OP#s 01776 & 01777, issued on April 7, 2000, and to comply with~~ **In order to ensure compliance with** Condition D.42.1, the Mikropul Horizontal Cartridge Filter System for PM10 control shall be in operation and control emissions from the Wheelabrator No. 1 (East) Shot Blasting Operation or the Wheelabrator No. 2 (West) Shot Blasting Operation at all times that the Wheelabrator No. 1 (East) Shot Blasting Operation or the Wheelabrator No. 2 (West) Shot Blasting Operation are in operation.
- (b) \*\*\*

#### D.-42.5 Visible Emissions Notations

---

- (a) ~~Daily~~ Visible emission notations of the Mikropul Horizontal Cartridge Filter System stack exhaust shall be performed **once per day** during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) \*\*\*
- (c) \*\*\*
- (d) \*\*\*
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response. ~~steps in accordance with Section C- Response to Excursions and or Exceedances~~ **contains the Permittee's obligation with regard to the reasonable response.** Failure to take response steps ~~in accordance with Section C—Response to Excursions or Exceedances~~ shall be considered a deviation from this permit.

#### D.-42.6 Parametric Monitoring

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The Permittee shall record the pressure drop across the **dust** collector used in conjunction with the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation, at least once ~~daily~~ **per day** when the **associated** Wheelabrator No. 1 (East) Shot Blasting Operation ~~and/or~~ the Wheelabrator is in operation. When, for any one reading, the pressure drop across the collector is outside the normal range, **the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between of 1.0 to 5.5 inches of water or a range established unless a different upper-bound or lower-bound value for this range is determined** during the latest stack test. ~~the Permittee shall take reasonable response steps in accordance with~~ Section C- Response to Excursions ~~and or~~ Exceedances **contains the Permittee's obligation with regard to the reasonable response steps required by this condition.** A pressure reading that is outside the above-mentioned range is not a deviation from this permit. Failure to take response steps ~~in accordance with Section C—Response to Excursions or Exceedances~~, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ ~~and IDEM~~ and shall be calibrated **or replaced** at least once every six (6) months.

D.-42.7 Broken or Failed Filter Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as **an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions)**. a malfunction.
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as **an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions)**. a malfunction.

\*\*\*

D.-42.8 Record Keeping Requirements

- (a) To document **the compliance status** with Condition D.42.5, the Permittee shall maintain records of daily visible emission notations of the Mikropul Horizontal Cartridge Filter System stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (b) To document **the compliance status** with Condition D.42.6, the Permittee shall maintain a daily record of the pressure drop across the collector controlling the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).
- (c) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~ **Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligation with regard to the records required by this condition.**

SECTION D.5 - EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

~~One (1) No. 10 Induction Furnace, constructed in 1979, with a maximum design rate of 1.71 tons/hr. Particulate emissions are controlled by a Uni-wash dust collector efficient in eliminating oily smoke, stack identified as S-6.~~

~~(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 2-6.1-5(a)(1)]

D.5.1 Particulate Matter less than 10 microns (PM10) [326 IAC 6.8-2-20]

~~Pursuant to 326 IAC 6.8-2-20 (formerly 326 IAC 6-1-10.1(d)) (Lake County PM10 emission requirements), the PM10 emissions from the No. 10 Induction Furnace shall be limited to 0.548 lbs/ton and 0.940 lbs/hr as specifically listed in 326 IAC 6.8-2-20.~~

~~D.5.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.~~

Compliance Determination Requirements

~~D.5.3 Particulate Control~~

- ~~(a) Pursuant to OP# 01779, issued on April 7, 2000, and to comply with Condition D.5.1, the Uni-wash dust collector for PM10 control shall be in operation and control emissions from the No. 10 Induction Furnace at all times when the No. 10 Induction Furnace is in operation.~~
- ~~(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

~~Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]~~

~~D.5.4 Visible Emissions Notations~~

- ~~(a) Daily visible emission notations of the No. 10 Induction Furnace stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.~~
- ~~(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut-down time.~~
- ~~(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~
- ~~(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~
- ~~(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response~~
- ~~steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.~~

~~D.5.5 Parametric Monitoring~~

~~The Permittee shall record the pressure drop across the collector used in conjunction with the No. 10 Induction Furnace, at least once daily when the No. 10 Induction Furnace is in operation. When for any one reading, the pressure drop across the collector is outside the normal range of 1 to 5.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above-mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to~~

~~Excursions or Exceedances shall be considered a deviation from this permit.~~

~~The instrument used for determining the pressure shall comply with Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and HDEM and shall be calibrated at least once every six (6) months.~~

#### ~~D.5.6 Broken or Failed Filter Detection~~

- ~~(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as a malfunction.~~
- ~~(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as a malfunction.~~

~~Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.~~

#### ~~Record Keeping and Reporting Requirement [326 IAC 2-6.1-5(a)(2)]~~

#### ~~D.5.7 Record Keeping Requirements~~

- ~~(a) To document compliance with Condition D.5.4, the Permittee shall maintain records of daily visible emission notations of the No. 10 Induction Furnace stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).~~
- ~~(b) To document compliance with Condition D.5.5, the Permittee shall maintain a daily record of the pressure drop across the collector controlling the No. 10 Induction Furnace. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).~~
- ~~(c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.~~

#### ~~SECTION D.6 EMISSIONS UNIT OPERATION CONDITIONS~~

##### ~~Emissions Unit Description:~~

~~One (1) Mammoth Space Heater, Shipping Building East, constructed in 1979, with a maximum design capacity of 1.6 MMBtu/hr heat input, natural gas-fired, using no control equipment and exhausting inside the building, stack identified as S-7.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.6.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as~~

amended))

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.6.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.7 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~One (1) Mammoth Space Heater, Shipping Building West, constructed in 1979, with a maximum design capacity of 1.6 MMBtu/hr heat input, natural gas-fired, using no control equipment and exhausting inside the building, stack identified as S-8.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.7.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.7.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.8 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~Three (3) Space Heaters, Building No. 70, constructed in 1997, with a combined maximum design capacity of 1.35 MMBtu/hr heat input, natural gas-fired, using no control equipment, and exhausting inside the building, stack identified as S-9.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.8.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control~~

~~Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.8.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.9 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~Two (2) Dayton Space Heaters, Building No. 60, constructed in 1979, each with a maximum design capacity of 0.35 MMBtu/hr heat input (0.70 MMBtu/hr combined), natural gas-fired, using no control equipment, and exhausting inside the building, stack identified as S-10.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.9.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.9.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.10 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~Nine (9) Space Heat Units, constructed 1998, identified as follows:~~

- ~~(1) One (1) Dravo, Building No. 41, with a maximum design capacity of 1.875 MMBtu/hr heat input.~~
- ~~(2) One (1) Dayton, located in the Cutting Fluid Storage Area, with a maximum design capacity of 0.350 MMBtu/hr heat input.~~
- ~~(3) One (1) Dayton and One (1) Modine, located in the Storeroom, with a maximum design capacity of 0.350 and 0.2 MMBtu/hr heat input, respectively.~~
- ~~(4) One (1) Armstrong, located in the Oil Storage Room, with a maximum design capacity of 0.09 MMBtu/hr heat input.~~
- ~~(5) One (1) Dayton, located in the Mfg. Engr. Storeroom, with a maximum design capacity of 0.125 MMBtu/hr heat input.~~

~~(6) One (1) Engr Bldg Reznor Furnace, with a maximum design capacity of 0.4 MMBtu/hr heat input.~~

~~(7) One (1) East and One (1) West Penthouse Boiler (Basmor and American Standard), with a maximum design capacity of 0.875 MMBtu/hr and 0.7 MMBtu/hr, respectively.~~

~~All nine space heat units are natural gas-fired only. Stack identified as S-11.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.10.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.10.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

#### ~~SECTION D.11 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~One (1) Coil Drawing Line No. 5, constructed in 1995, which includes uncoiling, pointing, shotblasting, drawing, cutting, straightening, polishing, defect testing, and bundling of steel coils. This line includes an in-line shotblaster with a maximum process rate of 0.04 tons/hr of steel shot used. Particulate emissions from the shotblaster are controlled by a Torit cartridge-type dust collector. Stack identified as S-15.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.11.1 Particulate Matter (PM) [326 IAC 6.8-1-2(a)]~~

~~Pursuant to 326 IAC 6.8-1-2(a) (formerly 326 IAC 6-1-2(a)) (Nonattainment Area Particulate Limitations), particulate matter (PM) emissions from the shotblaster shall be limited to 0.03 grain per dry standard cubic foot of exhaust air.~~

~~D.11.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.~~

#### ~~Compliance Determination Requirements~~

~~D.11.3 Particulate Control~~

~~(a) Pursuant to OP# 01767, issued on April 7, 2000, and to comply with Condition D.11.1, the Torit cartridge-type dust collector for PM control shall be in operation and control~~

~~emissions from the shotblaster at all times when the shotblaster is in operation.~~

- (b) ~~In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~

#### Compliance Monitoring Requirements ~~[326 IAC 2-6.1-5(a)(2)]~~

##### D.11.4 Visible Emissions Notations

- (a) ~~Daily visible emission notations of the Coil Drawing Line No. 5 stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.~~
- (b) ~~For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.~~
- (c) ~~In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~
- (d) ~~A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~
- (e) ~~If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.~~

##### D.11.5 Parametric Monitoring

~~The Permittee shall record the pressure drop across the collector used in conjunction with the shotblaster, at least once daily when the shotblaster is in operation. When for any one reading, the pressure drop across the collector is outside the normal range of 1 to 5.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C Response to Excursions or Exceedances. A pressure reading that is outside the above-mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.~~

~~The instrument used for determining the pressure shall comply with Section C – Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and HDEM and shall be calibrated at least once every six (6) months.~~

##### D.11.6 Broken or Failed Filter Detection

- (a) ~~For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as a malfunction.~~
- (b) ~~For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the~~

~~processing of the material in the emissions unit. Operations may continue only if the event qualifies as a malfunction.~~

~~Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.~~

~~Record Keeping and Reporting Requirement [326 IAC 2-6.1-5(a)(2)]~~

~~D.11.7 Record Keeping Requirements~~

- ~~(a) To document compliance with Condition D.11.4, the Permittee shall maintain records of daily visible emission notations of the Coil Drawing Line No. 5 stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).~~
- ~~(b) To document compliance with Condition D.11.5, the Permittee shall maintain a daily record of the pressure drop across the collector controlling the shotblaster. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).~~
- ~~(c) All records shall be maintained in accordance with Section C General Record Keeping Requirements, of this permit.~~

~~SECTION D.12 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~One (1) Cold Finished Steel Bars from Hot Rolled Bar Process, constructed in 1979, which includes Roller Hearth Furnaces No. 1 and No. 2 and Kemp Bar Heating Furnaces No. 3 and No. 7. The total combined maximum design capacity is 48 MMBtu/hr heat input, using no control equipment and natural gas fired only.~~

~~(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 2-6.1-5(a)(1)]~~

~~D.12.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.12.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B Preventive Maintenance Plan, of this permit, is required for this facility.~~

~~SECTION D.13 EMISSIONS UNIT OPERATION CONDITIONS~~

**Emissions Unit Description:**

One (1) Screw Hearth Line, including one (1) Hardening Furnace, one (1) Tempering Furnace, and one (1) Reservoir Tank Furnace, constructed in 2001, each with a maximum design capacity of 17.145 MMBtu/hr, 12.42 MMBtu/hr, and 1 MMBtu/hr heat input, respectively, (30.565 MMBtu/hr combined), natural gas-fired, using no control equipment and exhausting inside the building, stacks identified as S-12, S-13, and S-14.

(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 2-6.1-5(a)(1)]**

~~D.13.1 Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO) [Hammond Air Quality Control Ordinance No. 3522 (as amended)]~~

~~Emissions from the combustion of natural gas are governed by the Hammond Air Quality Control Ordinance No. 3522 (as amended) for the following pollutants: Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).~~

~~D.13.2 Preventive Maintenance Plan [326 IAC 1-6-3]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.~~

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH DATA SECTION  
and  
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
-AIR POLLUTION CONTROL DIVISION-**

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION CERTIFICATION**

Source Name: \_\_\_\_\_ LaSalle Steel Company  
Source Address: \_\_\_\_\_ 1412 150<sup>th</sup> Street, Hammond, Indiana 46327  
Mailing Address: \_\_\_\_\_ 1412 150<sup>th</sup> Street, Hammond, Indiana 46327  
Permit No.: \_\_\_\_\_ M089-21749-00220

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- Annual Notification  
 Test Result (specify)  
 Report (specify)

<input type="checkbox"/> Notification (specify)
<input type="checkbox"/> Affidavit (specify)
<input type="checkbox"/> Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name: <b>Niagara LaSalle Corporation</b> <del>LaSalle Steel Company</del>
***

I hereby certify that **Niagara LaSalle Corporation** ~~LaSalle Steel Company~~ is  
 still in operation.  
 no longer in operation.

I hereby certify that **Niagara LaSalle Corporation** ~~LaSalle Steel Company~~ is  
 in compliance with the requirements of **MSOP M089-21749-00220**.  
 not in compliance with the requirements of **MSOP M089-21749-00220**.

\*\*\*

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
**COMPLIANCE AND ENFORCEMENT BRANCH**  
FAX NUMBER - 317 233-6865  
and  
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
FAX NUMBER - 219 853-6343

\*\*\*

All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

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 Julie Alexander of my staff at 317-233-1782 or 1-800-451-6027, and ask for extension 3-1782.

Sincerely



Jenny Acker, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Updated Permit and Appendix A

JA/jla

cc: File - Lake County  
Lake County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

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

Michael R. Pence  
*Governor*

Thomas W. Easterly  
*Commissioner*

## Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Niagara LaSalle Corporation  
1412 150th St  
Hammond, Indiana 46327**

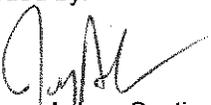
(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M 089-21749-00220	
Issued by: Original signed by:  Ronald L. Novak, Director Hammond Department of Environmental Management	Issuance Date: June 8, 2007  Expiration Date: June 8, 2017

Notice-Only Change 089-2576-00220 Issued on January 10, 2008

Administrative Amendment No.: 089-33685-00220	
Issued by:  Jenny Acker, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 24, 2013  Expiration Date: June 8, 2017

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## SECTION A

## SOURCE SUMMARY

This permit 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 Permittee 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 Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary cold finishing of steel shapes operation.

Source Address:	1412 150 <sup>th</sup> Street, Hammond, Indiana 46327
General Source Phone Number:	(219) 853-6233
SIC Code:	3316
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone Attainment for all other criteria pollutants GHGs are less than 100,000 tons of CO <sub>2</sub> equivalent emissions (CO <sub>2</sub> e) per year
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### 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) Pangborn Mechanical Coil Descaler, constructed in 1989, with a maximum descaling capacity of 15 tons of steel coils per hour. Emissions to the atmosphere of oxide scale and steel shot dust are controlled by a Tenkay-Farr Cartridge Dust Collection System and a high performance Riga-Flo 200 Filter Collector which exhausts at one (1) stack, identified as S-2.
- (b) One (1) Fennel Corporation No. 3 Roller Hearth Furnace, constructed in 1979, with a maximum design capacity of 8.0 MMBtu/hr heat input, natural gas-fired, using no control equipment and exhausting at one (1) stack, identified as S-3.
- (c) Four (4) Wire Bay Space Heaters, three (3) with a maximum design capacity of 1.6 MMBtu/hr heat input, constructed in 1979, and one (1) with a maximum design capacity of 0.35 MMBtu/hr heat input, constructed in 1996, (5.15 MMBtu/hr combined), natural gas-fired, using no control equipment, and exhausting inside the building, stack identified as S-4.
- (d) One (1) Wheelabrator No. 1 (East) Shot Blasting Operation and One (1) Wheelabrator No. 2 (West) Shot Blasting Operation, constructed in 1979, maximum rate of steel bars processed through each unit is 15 tons/hr. Particulate emissions of oxide scale and steel shot dust are controlled by a Mikropul Horizontal Cartridge Filter System which exhausts at one (1) stack, identified as S-5.

This Filter System is common to both Wheelabrator No. 1 (East) and Wheelabrator No. 2 (West) Shot Blasting Operations.

- (e) One (1) No. 10 Induction Furnace, constructed in 1979, with a maximum design rate of 1.71 tons/hr. Particulate emissions are controlled by a Uni-wash dust collector efficient in eliminating oily smoke, stack identified as S-6.

No. 10 Induction Furnace has been locked out of service but is still on site. In September of 2011, the 1,600 amp disconnect was removed from the transformer substation. Without the 1,600 amp disconnect, No. 10 Induction Furnace cannot operate. The source plans on removing the furnace fully sometime in the future.

- (f) One (1) Mammoth Space Heater, Shipping Building East, constructed in 1979, with a maximum design capacity of 1.6 MMBtu/hr heat input, natural gas-fired, using no control equipment and exhausting inside the building, stack identified as S-7.
- (g) One (1) Mammoth Space Heater, Shipping Building West, constructed in 1979, with a maximum design capacity of 1.6 MMBtu/hr heat input, natural gas-fired, using no control equipment and exhausting inside the building, stack identified as S-8.
- (h) Three (3) Space Heaters, Building No. 70, constructed in 1997, with a combined maximum design capacity of 1.35 MMBtu/hr heat input, natural gas-fired, using no control equipment, and exhausting inside the building, stack identified as S-9.
- (i) Two (2) Dayton Space Heaters, Building No. 60, constructed in 1979, each with a maximum design capacity of 0.35 MMBtu/hr heat input (0.70 MMBtu/hr combined), natural gas-fired, using no control equipment, and exhausting inside the building, stack identified as S-10.
- (j) Nine (9) Space Heat Units, constructed in 1998, identified as follows:

- (1) One (1) Dravo, Building No. 41, with a maximum design capacity of 1.875 MMBtu/hr heat input.
- (2) One (1) Dayton, located in the Cutting Fluid Storage Area, with a maximum design capacity of 0.350 MMBtu/hr heat input.
- (3) One (1) Dayton and One (1) Modine, located in the Storeroom, with a maximum design capacity of 0.350 and 0.2 MMBtu/hr heat input, respectively.
- (4) One (1) Armstrong, located in the Oil Storage Room, with a maximum design capacity of 0.09 MMBtu/hr heat input.
- (5) One (1) Dayton, located in the Mfg. Engr. Storeroom, with a maximum design capacity of 0.125 MMBtu/hr heat input.
- (6) One (1) Engr Bldg Reznor Furnace, with a maximum design capacity of 0.4 MMBtu/hr heat input.
- (7) One (1) East and One (1) West Penthouse Boiler (Basmor and American Standard), with a maximum design capacity of 0.875 MMBtu/hr and 0.7 MMBtu/hr, respectively.

All nine space heat units are natural gas-fired only. Stack identified as S-11.

- (k) One (1) Coil Drawing Line No. 5, constructed in 1995, which includes uncoiling, pointing, shotblasting, drawing, cutting, straightening, polishing, defect testing, and bundling of steel coils. This line includes an in-line shotblaster with a maximum process rate of 0.04

tons/hr of steel shot used. Particulate emissions from the shotblaster are controlled by a Torit cartridge-type dust collector. Stack identified as S-15.

- (l) One (1) Cold Finished Steel Bars from Hot Rolled Bar Process, constructed in 1979, which includes Roller Hearth Furnaces No. 1 and No. 2 and Kemp Bar Heating Furnaces No. 3 and No. 7. The total combined maximum design capacity is 48 MMBtu/hr heat input, using no control equipment and natural gas-fired only.
- (m) One (1) Screw Hearth Line, including one (1) Hardening Furnace, one (1) Tempering Furnace, and one (1) Reservoir Tank Furnace, constructed in 2001, each with a maximum design capacity of 17.145 MMBtu/hr, 12.42 MMBtu/hr, and 1 MMBtu/hr heat input, respectively, natural gas-fired, using no control equipment and exhausting inside the building, stacks identified as S-12, S-13, and S-14.

## SECTION B

## GENERAL CONDITIONS

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

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Terms in this permit 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 Permit Term [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

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- (a) This permit, M089-21749-00220, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

### B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability

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Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.5 Severability

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The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### B.6 Property Rights or Exclusive Privilege

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This permit does not convey any property rights of any sort or any exclusive privilege.

### B.7 Duty to Provide Information

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

**B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

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- (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 permit.
- (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 and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 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.9 Preventive Maintenance Plan [326 IAC 1-6-3]**

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- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to M089-21749-00220 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 permit.

**B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.12 Permit Renewal [326 IAC 2-6.1-7]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
  - (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and

- (2) 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 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.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

**B.14 Source Modification Requirement**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

**B.15 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30]**

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

**B.17 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.18 Credible Evidence [326 IAC 1-1-6]**

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For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

#### C.1 Permit Revocation [326 IAC 2-1.1-9]

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

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (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 permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

#### C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 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.

#### C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

#### C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

#### C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee 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).

C.6 Fugitive Particulate Matter Emissions [326 IAC 6.8-10-3]

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Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.
- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) Material processing facilities shall include the following:
  - (1) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
  - (2) The PM<sub>10</sub> emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (3) The PM<sub>10</sub> stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
  - (4) The opacity of fugitive particulate emissions from the material processing facilities, except a crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.
  - (5) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).
- (i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (j) Material transfer limits shall be as follows:
  - (1) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).

- (2) Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%), three (3) minute average.
- (3) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:
  - (A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.
  - (B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **C.8 Performance Testing [326 IAC 3-6]**

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

#### **C.9 Compliance Requirements [326 IAC 2-1.1-11]**

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any

monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

### **Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **C.10 Compliance Monitoring [326 IAC 2-1.1-11]**

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

#### **C.11 Instrument Specifications [326 IAC 2-1.1-11]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

### **Corrective Actions and Response Steps**

#### **C.12 Response to Excursions or Exceedances**

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Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction  
  
The response may include, but is not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);  
or
  - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.

- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

**C.13 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

**Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

**C.14 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

**C.15 Emission Statement [326 IAC 2-6]**

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Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit an emission statement by July 1 following a calendar year when the source emits oxides of nitrogen or volatile organic compounds into the ambient air equal to or greater than twenty five (25) tons. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-50 IGCN 1003  
Indianapolis, Indiana 46204-2251

**C.16    General Record Keeping Requirements [326 IAC 2-6.1-5]**

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- (a)      Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
  
- (b)      Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

**C.17    General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]**

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- (a)      Reports required by conditions in Section D of this permit shall be submitted to:  
  
            Indiana Department of Environmental Management  
            Compliance and Enforcement Branch, Office of Air Quality  
            100 North Senate Avenue  
            MC 61-53 IGCN 1003  
            Indianapolis, Indiana 46204-2251
  
- (b)      Unless otherwise specified in this permit, any notice, report, or other submission required by this permit 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.
  
- (c)      Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) Pangborn Mechanical Coil Descaler, constructed in 1989, with a maximum descaling capacity of 15 tons of steel coils per hour. Emissions to the atmosphere of oxide scale and steel shot dust are controlled by a Tenkay-Farr Cartridge Dust Collection System and a high performance Riga-Flo 200 Filter Collector which exhausts at one (1) stack, identified as S-2.
- (k) One (1) Coil Drawing Line No. 5, constructed in 1995, which includes uncoiling, pointing, shotblasting, drawing, cutting, straightening, polishing, defect testing, and bundling of steel coils. This line includes an in-line shotblaster with a maximum process rate of 0.04 tons/hr of steel shot used. Particulate emissions from the shotblaster are controlled by a Torit cartridge-type dust collector. Stack identified as S-15.

(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 2-6.1-5(a)(1)]

#### D.1.1 Particulate Matter (PM) [326 IAC 6.8-1-2(a)]

Pursuant to 326 IAC 6.8-1-2(a), particulate matter (PM) emissions from the Pangborn Mechanical Descaler and Coil Drawing Line No. 5 shall be limited to 0.03 grain per dry standard cubic foot of exhaust air.

#### D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

### Compliance Determination Requirements

#### D.1.3 Particulate Control

- (a) In order to ensure compliance with Condition D.1.1, the Tenkay-Farr Cartridge Dust Collection System and Riga-Flo 200 Filter Collector for PM control shall be in operation and control emissions from the Pangborn Mechanical Coil Descaler at all times when the Pangborn Mechanical Coil Descaler is in operation.
- (b) In order to ensure compliance with Condition D.1.1, the Torit cartridge-type dust collector for PM control shall be in operation and control emissions from the in-line shotblaster, associated with the Coil Drawing Line No. 5, at all times when the in-line shotblaster is in operation.
- (c) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

### Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

#### D.1.4 Visible Emissions Notations

- (a) Visible emission notations of the Pangborn Mechanical Coil Descaler and the in-line shotblaster, associated with the Coil Drawing Line No. 5, stack exhausts shall be

performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

#### D.1.5 Parametric Monitoring

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The Permittee shall record the pressure drop across the Riga-Flo 200 filter collector used in conjunction with the Pangborn Mechanical Coil Descaler and Torit cartridge-type dust collector used in conjunction with the in-line shotblaster, associated with the Coil Drawing Line No. 5, at least once per day when the associated Pangborn Mechanical Coil Descaler or Coil Drawing Line No. 5 are in operation. When, for any one reading, the pressure drop across the collector is outside the normal range, the Permittee shall take a reasonable response. The normal range for these units is a pressure drop between 1.0 to 5.5 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instruments used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated or replaced at least once every six (6) months.

#### D.1.6 Broken or Failed Filter Detection

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- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

## **Record Keeping and Reporting Requirement [326 IAC 2-6.1-5(a)(2)]**

### **D.1.7 Record Keeping Requirements**

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- (a) To document the compliance status with Condition D.1.4, the Permittee shall maintain records of daily visible emission notations of both the Pangborn Mechanical Coil Descaler and the Coil Drawing Line No. 5 stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
  
- (b) To document the compliance status with Condition D.1.5, the Permittee shall maintain a daily record of the pressure drop across the dust collector controlling the Pangborn Mechanical Coil Descaler and in-line shotblaster. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).
  
- (c) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligation with regard to the records required by this condition.

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (d) One (1) Wheelabrator No. 1 (East) Shot Blasting Operation and One (1) Wheelabrator No. 2 (West) Shot Blasting Operation, constructed in 1979, maximum rate of steel bars processed through each unit is 15 tons/hr. Particulate emissions of oxide scale and steel shot dust are controlled by a Mikropul Horizontal Cartridge Filter System which exhausts at one (1) stack, identified as S-5.

This Filter System is common to both Wheelabrator No. 1 (East) and Wheelabrator No. 2 (West) Shot Blasting Operations.

(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 2-6.1-5(a)(1)]

#### D.2.1 Particulate Matter less than 10 microns (PM10) [326 IAC 6.8-2-20]

Pursuant to 326 IAC 6.8-2-20, the PM10 emissions from the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation shall be limited to 0.086 lbs/ton and 2.57 lbs/hr as specifically listed in 326 IAC 6.8-2-20.

#### D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

### Compliance Determination Requirements

#### D.2.3 Testing Requirements [326 IAC 2-1.1-11]

In order to demonstrate compliance with Condition D.2.1, the Permittee shall perform PM10 testing of both shot blasting operations utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C- Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

#### D.2.4 Particulate Control

- (a) In order to ensure compliance with Condition D.2.1, the Mikropul Horizontal Cartridge Filter System for PM10 control shall be in operation and control emissions from the Wheelabrator No. 1 (East) Shot Blasting Operation or the Wheelabrator No. 2 (West) Shot Blasting Operation at all times that the Wheelabrator No. 1 (East) Shot Blasting Operation or the Wheelabrator No. 2 (West) Shot Blasting Operation are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

## Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

### D.2.5 Visible Emissions Notations

---

- (a) Visible emission notations of the Mikropul Horizontal Cartridge Filter System stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response. Failure to take response steps shall be considered a deviation from this permit.

### D.2.6 Parametric Monitoring

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The Permittee shall record the pressure drop across the dust collector used in conjunction with the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation, at least once per day when the associated Wheelabrator No. 1 (East) Shot Blasting Operation or the Wheelabrator No. 2 (West) Shot Blasting Operation is in operation. When, for any one reading, the pressure drop across the collector is outside the normal range, the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between 1.0 to 5.5 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C- Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above-mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated or replaced at least once every six (6) months.

### D.2.7 Broken or Failed Filter Detection

---

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

### **Record Keeping and Reporting Requirement [326 IAC 2-6.1-5(a)(2)]**

#### **D.2.8 Record Keeping Requirements**

---

- (a) To document the compliance status with Condition D.2.5, the Permittee shall maintain records of daily visible emission notations of the Mikropul Horizontal Cartridge Filter System stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (b) To document the compliance status with Condition D.2.6, the Permittee shall maintain a daily record of the pressure drop across the collector controlling the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligation with regard to the records required by this condition.

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	<b>Niagara LaSalle Corporation</b>
<b>Address:</b>	<b>1412 150<sup>th</sup> Street</b>
<b>City:</b>	<b>Hammond, Indiana 46327</b>
<b>Phone #:</b>	<b>(219) 853-6233</b>
<b>MSOP #:</b>	<b>089-21749-00220</b>

I hereby certify that Niagara LaSalle Corporation is  still in operation.  
 no longer in operation.

I hereby certify that Niagara LaSalle Corporation is  in compliance with the requirements of M089-21749-00220.  
 not in compliance with the requirements of M089-21749-00220.

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

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
FAX NUMBER - 317 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_\_, 100TONS/YEAR CARBON MONOXIDE ?\_\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF >MALFUNCTION= AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_  
ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:  
CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_  
INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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**Appendix A: Emissions Calculations  
Summary**

**Company Name: Niagara LaSalle Corporation**  
**Address City IN Zip: 1412 150th Street, Hammond, IN 46327**  
**Permit Number: 089-33685-00220**  
**Reviewer: Julie Alexander**  
**Date: October 09, 2013**

**Uncontrolled PTE**

	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG	Hexane	Total HAPs
Natural Gas Combustion	0.83	3.33	3.33	2.63E-01	43.77	2.41	36.77	52,844	0.79	0.83
Pangborn Mechanical Coil Descaler	2.45	2.11	2.11	-	-	-	-	-	-	-
Fennel Corporation No. 3 Roller Hearth Furnace	0.12	0.46	0.46	-	9.11	1.05E-02	6.31E-02	-	-	-
No. 10 Induction Furnace**	-	-	-	-	-	-	-	-	-	-
Screw Hearth Line	-	-	-	-	-	13.39	-	-	-	-
Wheelabrator Shot Blasting Operations East #1 and West #2	4.91	4.22	4.22	-	-	-	-	-	-	-
Coil Drawing Line No. 5	1.40	1.21	1.21	-	-	-	-	-	-	-
<b>Total</b>	<b>9.71</b>	<b>11.32</b>	<b>11.32</b>	<b>0.26</b>	<b>52.88</b>	<b>15.81</b>	<b>36.83</b>	<b>52,844</b>	<b>0.79</b>	<b>0.83</b>

**Controlled PTE**

	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG	Hexane	Total HAPs
Natural Gas Combustion	0.83	3.33	3.33	0.26	43.77	2.41	36.77	52,844	0.79	0.83
Pangborn Mechanical Coil Descaler	2.45E-02	2.11E-02	2.11E-02	-	-	-	-	-	-	-
Fennel Corporation No. 3 Roller Hearth Furnace	0.12	0.46	0.46	-	9.11	1.05E-02	6.31E-02	-	-	-
No. 10 Induction Furnace**	-	-	-	-	-	-	-	-	-	-
Screw Hearth Line	-	-	-	-	-	13.39	-	-	-	-
Wheelabrator Shot Blasting Operations East #1 and West #2	1.47E-03	1.27E-03	1.27E-03	-	-	-	-	-	-	-
Coil Drawing Line No. 5	1.40E-04	1.21E-04	1.21E-04	-	-	-	-	-	-	-
<b>Total</b>	<b>0.98</b>	<b>3.80</b>	<b>3.80</b>	<b>0.26</b>	<b>52.88</b>	<b>15.81</b>	<b>36.83</b>	<b>52,844</b>	<b>0.79</b>	<b>0.83</b>

**Limited PTE**

	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG	Hexane	Total HAPs
Natural Gas Combustion	0.83	3.33	3.33	0.26	43.77	2.41	36.77	52843.58	0.79	0.83
Pangborn Mechanical Coil Descaler*	2.45	2.11	2.11	-	-	-	-	-	-	-
Fennel Corporation No. 3 Roller Hearth Furnace	0.12	0.46	0.46	-	9.11	1.05E-02	6.31E-02	-	-	-
No. 10 Induction Furnace**	-	-	-	-	-	-	-	-	-	-
Screw Hearth Line	-	-	-	-	-	13.39	-	-	-	-
Wheelabrator Shot Blasting Operations East #1 and West #2	4.91	11.26	4.22	-	-	-	-	-	-	-
Coil Drawing Line No. 5*	1.40	1.21	1.21	-	-	-	-	-	-	-
<b>Total</b>	<b>9.71</b>	<b>18.35</b>	<b>11.32</b>	<b>0.26</b>	<b>52.88</b>	<b>15.81</b>	<b>36.83</b>	<b>52,844</b>	<b>0.79</b>	<b>0.83</b>

\* Pursuant to 326 IAC 6.8-2, the particulate matter emission from these facilities is limited to 0.03 gr/dscf. This is not an enforceable limit for PSD or Emission Offset.

\*\* No. 10 Induction Furnace has been locked out of service and is still on site. In September of 2011, the 1,600 amp disconnect was removed from the transformer substation. Without the 1,600 amp disconnect, No. 10 Induction Furnace cannot operate. The source plans on removing the furnace fully sometime in the future.

**Appendix A: Emissions Calculations**  
**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**Company Name: Niagara LaSalle Corporation**  
**Address City IN Zip: 1412 150th Street, Hammond, IN 46327**  
**Permit Number: 089-33685-00220**  
**Reviewer: Julie Alexander**  
**Date: October 09, 2013**

Unit	Mmbtu/hr
Roller Hearth Furnace No.3	8
Three (3) Wire Bay Space Heaters	4.8
Wire Bay Space Heaters	0.35
Mammoth Space Heater	3.2
Three (3) Space Heaters	1.35
Two (2) Dayton Space Heaters	0.7
Dravo	1.875
Dayton (Cutting Fluid Storage Area)	0.35
Dayton (Storeroom)	0.35
Modine (Storeroom)	0.2
Armstrong (Oil Storage Room)	0.09
Dayton (Mfg. Engr. Storeroom)	0.125
Engr Bldg Reznor Furnace	0.4
East Penthouse Boiler	0.875
West Penthouse Boiler	0.7
Roller Hearth Furnace No.1 & 2	48
Kemp Bar Heating Furnace No. 3 & 7	
Hardening Furnace	17.145
Tempering Furnace	12.42
Reservoir Tank Furnace	1
<b>101.93</b>	

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
101.93	1020	875.40

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx 100 **see below	VOC	CO
Potential Emission in tons/yr	0.8	3.3	3.3	0.3	43.8	2.4	36.8

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

#### HAPS Calculations

Emission Factor in lb/MMcf	HAPs - Organics					Total - Organics
	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03	
Potential Emission in tons/yr	9.192E-04	5.252E-04	3.283E-02	7.879E-01	1.488E-03	<b>8.236E-01</b>

Emission Factor in lb/MMcf	HAPs - Metals					Total - Metals
	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	
Potential Emission in tons/yr	2.188E-04	4.815E-04	6.128E-04	1.663E-04	9.192E-04	<b>2.399E-03</b>
					<b>Total HAPs</b>	<b>8.260E-01</b>
					<b>Worst HAP</b>	<b>7.879E-01</b>

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

#### Greenhouse Gas Calculations

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2 120,000	CH4 2.3	N2O 2.2
Potential Emission in tons/yr	52,524	1.0	1.0
Summed Potential Emissions in tons/yr	52,526		
CO2e Total in tons/yr	52,844		

#### Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).



**Appendix A: Emissions Calculations  
Furnaces**

**Company Name:** Niagara LaSalle Corporation  
**Address City IN Zip:** 1412 150th Street, Hammond, IN 46327  
**Permit Number:** 089-33685-00220  
**Reviewer:** Julie Alexander  
**Date:** October 09, 2013

**Fennel Corporation No. 3 Roller Hearth Furnace**

Heat Capacity: 8 MMBtu/hr

	PM*	PM10*	direct PM2.5*	NOx	VOC	CO
Emission Factor (lb/MMBtu)	3.50E-03	1.30E-02	1.30E-02	2.60E-01	3.00E-04	1.80E-03
Potential Emission (tons/yr) <sup>1</sup>	1.23E-01	4.56E-01	4.56E-01	9.11	1.05E-02	6.31E-02

Emission Factors are based on AP-42 12.5.1. In order to be conservative, the factors are for both Annealing and Reheat furnaces.

**No. 10 Induction Furnace**

No. 10 Induction Furnace has been locked out of service and is still on site. In September of 2011, the 1,600 amp disconnect was removed from the transformer substation. Without the 1,600 amp disconnect, No. 10 Induction Furnace cannot operate. The source plans on removing the furnace fully sometime in the future.

Rate: 1.71 tons/hr

	PM*	PM10*	direct PM2.5*
Uncontrolled			
Emission Factor (lb/ton)	1.00E-01	1.00E-01	1.00E-01
Potential Emission (tons/yr) <sup>2</sup>	7.49E-01	7.49E-01	7.49E-01

After Uni-wash Dust Collector with:

94% control efficiency

Potential Emission (tons/yr) <sup>3</sup>	4.49E-02	4.49E-02	4.49E-02
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Emission Factors are based on AP-42 12.13.1 SCC 3-04-007-05.

**Screw Hearth Line**

Heat Capacity: 30.565 MMBtu/hr

	VOC
Emission Factor (lb/MMBtu)	0.10
Potential Emission (tons/yr) <sup>1</sup>	13.39

Emission Factors are based AIRS Facility Subsystem Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants, March 1990, EPA 450/4-90-003 (SCC No. 3-04-022-01)

**Cold Finished Steel Bars from Hot Rolled Bar**

Emissions from the Cold Finished Steel Bars from Hot Rolled Bar process are from Natural Gas combustion.

Notes:

- 1) Potential to Emit = EF (lb/Mmbtu) x Heat Capacity (MMBtu/hr) x 8760 hr/yr / 2000lb/ton
  - 2) Potential to Emit = EF (lb/ton) x Production Rate (ton/hr) x 8760 hr/yr / 2000lb/ton
  - 3) Controlled Potential to Emit = Uncontrolled (tons/yr) x (1-control efficiency)
- \*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.  
 PM2.5 emission factor is filterable and condensable PM2.5 combined.







# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

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**Michael R. Pence**  
*Governor*

**Thomas W. Easterly**  
*Commissioner*

## SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

**TO:** Robert L. Dubbert  
Niagara LaSalle Corporation  
1412 150<sup>th</sup> Street  
Hammond, IN 46327

**DATE:** October 24, 2013

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Administrative Amendment to a Minor Source Operating Permit (MSOP)  
089-33685-00220

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 6/13/2013

# Mail Code 61-53

IDEM Staff	VHAUN 10/24/2013 Niagara LaSalle Corporation 089-33685-00220 FINAL		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	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		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Robert L Dubbert Niagara LaSalle Corporation 1412 150th St Hammond IN 46327 (Source CAATS)		Confirmed Delivery								
2		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)										
3		Gary - Hobart Water Corp 650 Madison St, P.O. Box M486 Gary IN 46401-0486 (Affected Party)										
4		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
5		WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 (Affected Party)										
6		Hammond City Council and Mayors Office 5925 Calumet Avenue Hammond IN 46320 (Local Official)										
7		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)										
8		Mark Coleman 107 Diana Road Portage IN 46368 (Affected Party)										
9		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)										
10		Craig Hogarth 7901 West Morris Street Indianapolis IN 46231 (Affected Party)										
11		Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official)										
12		Anthony Copeland 2006 E. 140th Street East Chicago IN 46312 (Affected Party)										
13		Barbara G. Perez 506 Lilac Street East Chicago IN 46312 (Affected Party)										
14		Mr. Robert Garcia 3733 Parrish Avenue East Chicago IN 46312 (Affected Party)										
15		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)										

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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# Mail Code 61-53

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Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Joseph 11723 S Oakridge Drive St. John IN 46373 (Affected Party)										
2		Gary City Council 401 Broadway # 209 Gary IN 46402 (Local Official)										
3		Ron Novak Hammond Dept. of Environmental Management 5925 Calumnet Ave. Hammond IN 46320 (Local Official)										
4		Mr. Larry Davis 268 South, 600 West Hebron IN 46341 (Affected Party)										
5		Ryan Dave 939 Cornwallis Munster IN 46321 (Affected Party)										
6		Matt Mikus 409 Yellowstone Rd - Apt 1 Valparaiso IN 46385 (Affected Party)										
7												
8												
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10												
11												
12												
13												
14												
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Total number of pieces Listed by Sender  <b>6</b>	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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