

November 22, 2004

Certified Mail #9058 0334

Mr. Robert Dubbert
Manager, Environmental & Safety Compliance
LaSalle Steel Company
1412 150th Street
Hammond, Indiana 46327

Re: NOC **089-19936**
Notice-only change to
089-11518-00220

Dear Mr. Dubbert:

LaSalle Steel Company was issued a Minor Source Operation Permit (MSOP) and a local operation permit on January 26, 2004 for operation of a cold finishing of steel shapes operation. A letter notifying the Hammond Department of Environmental Management (HDEM) and the Indiana Department of Environmental Management, Office of Air Quality (IDEM, OAQ) of a request for permit change, in regard to changes in 326 IAC 2-6 (Emission Reporting) was received on April 16, 2004 (postmarked April 13, 2004). Revisions to 326 IAC 2-6 (Emission Reporting) became effective March 27, 2004. Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows (~~strikeout~~ added to show what was deleted and **bold** added to show what was added):

1. On page 2 of 43 of the MSOP, the Table of Contents has been modified as follows:

- C.19 ~~Annual~~ Emission Statement [326 IAC 2-6]
- C.20 **Annual Emission Inventory [Hammond Ordinance No. 7102]**
- C.201 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-3]
- C.242 General Record Keeping Requirements [326 IAC 2-6.1-2]
- C.223 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]
- C.234 Annual Notification [326 IAC 2-6.1-5(a)(5)]

2. This source which is located in Lake County is subject to 326 IAC 2-6 (Emission Reporting) because it has the potential to emit greater than 25 tons per year (tpy) of NOx, and it may emit NOx into the ambient air at levels equal to or greater than 25 tpy. In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted by July 1 if the source emits NOx into the ambient air equal to or greater than 25 tons during the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

On pages 17 and 18 of 43 of the MSOP, Condition C.19 Annual Emission Statement has been modified to reflect the revisions made to 326 IAC 2-6 (Emission Reporting).

~~C.19 Annual Emission Statement [326 IAC 2-6]~~

- ~~(a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:~~

- ~~(1) — Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);~~
- ~~(2) — Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.~~
- ~~(b) — The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:~~

~~Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~and~~

~~Hammond Department of Environmental Management
5925 Calumet Avenue — Room 304
Hammond, Indiana 46320~~

- ~~(c) — The annual 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.~~

~~The submittal by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1.~~

C.19 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 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015**

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.

3. On page 18 of 43 of the MSOP, Condition C.20 Annual Emission Inventory has been added. For those years that the source is not required to submit an emission statement, the source will be required to submit an annual emission inventory per Hammond Ordinance No. 7102. This is a local requirement only.

C.20 Annual Emission Inventory [Hammond Ordinance No. 7102]

The Permittee shall submit an annual emission inventory containing production information/fuel usage for each permitted unit. The emission inventory must be received by April 15th 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).

On pages 18 through 20 of 43 of the MSOP, Conditions C.20 Monitoring Data Availability, C.21 General Record Keeping Requirements, C.22 General Reporting Requirements and C.23 Annual Notification have been renumbered accordingly.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

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 our Department at (219) 853-6306.

Sincerely,

Debra Malone, Chief Engineer
Hammond Department of Environmental Management

cc: Mindy Hahn, Permits Administration, IDEM, OAQ

**NEW SOURCE CONSTRUCTION
and
MINOR SOURCE OPERATING PERMIT
(MSOP)**

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

and

HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**LaSalle Steel Company
1412 150th Street
Hammond, Indiana 46327**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units 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.

Operation Permit No.: MSOP 089-11518-00220	
Issued by: Ronald L. Novak, Director Hammond Department of Environmental Management Air Pollution Control Division	Issuance Date: <u>January 26, 2004</u> Expiration Date: <u>December 31, 2004</u>
Notice-only No.: 089-19936-00220	Pages Affected: 2 and 17 through 20
Issued by: _____ Ronald L. Novak, Director Hammond Department of Environmental Management Air Pollution Control Division	Issuance Date: <u>November 22, 2004</u>

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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) and the Hammond Department of Environmental Management (HDEM). The information describing the source contained in conditions A.1 through A.3 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)]

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

Authorized Individual: Robert L. Dubbert, Manager, Environmental Compliance
Source Address: 1412 150th Street, Hammond, Indiana 46327
Mailing Address: (same as above)
Phone Number: (219)853-6233
SIC Code: 3316 – Cold Finishing of Steel Shapes
County Location: Lake
County Status: Attainment/Unclassifiable for CO and NO₂,
Attainment for Pb,
Primary Nonattainment for SO₂,
Moderate Nonattainment for PM₁₀, and
Severe Nonattainment for VOC.
Source Status: Minor Source Operating Permit
Minor Source, under PSD and Emission Offset Rules

A.2 Emissions units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emissions units and pollution control devices:

- (a) One (1) Pangborn Mechanical Coil Descaler, 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. (Insignificant Activity)
- (b) One (1) Fennel Corporation No. 3 Roller Hearth Furnace, 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 and one (1) with a maximum design capacity of 0.35 MMBtu/hr heat input (5.15 MMBtu/hr combined), natural gas-fired, using no control equipment, and exhausting inside the building, stack identified as S-4. (Insignificant Activity)
- (d) One (1) Wheelabrator No. 1 (East) Shot Blasting Operation and One (1) Wheelabrator No. 2 (West) Shot Blasting Operation, 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. 11 Furnace with a maximum design rate of 1.7085 Tons/hr. Particulate emissions are controlled by a Uni-wash dust collector efficient in eliminating oily smoke, stack identified as S-6. (Insignificant Activity)
- (f) One (1) Mammoth Space Heater, Shipping Building East, 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. (Insignificant Activity)
- (g) One (1) Mammoth Space Heater, Shipping Building West, 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. (Insignificant Activity)
- (h) Three (3) Space Heaters, Building No. 70, 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. (Insignificant Activity)
- (i) Two (2) Dayton Space Heaters, Building No. 60, 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. (Insignificant Activity)
- (j) Nine (9) Space Heat Units:
 - (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. (Insignificant Activity)
- (k) One (1) Coil Drawing Line No. 5, 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. (Insignificant Activity)
- (l) One (1) Cold Finished Steel Bars from Hot Rolled Bar Process, 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, 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.

A.3 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is not required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is not an affected source under Title IV (Acid Deposition Control) of the Clean Air Act, as defined in 326 IAC 2-7-1(3);
- (b) It is a major source as defined in 326 IAC 2-7-1(22);
- (c) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

LaSalle Steel Company is considered a major source for Nitrogen Oxides (NO_x) (>25 TPY, Lake & Porter Counties), however, the source is currently exempt from the requirements of the Title V Operation Permits program due to the NO_x requirement waiver (Section 182(f) of the Clean Air Act) which increased the major stationary source threshold level for Nitrogen Oxides NO_x in severe ozone nonattainment areas (Lake and Porter) as defined in 326 IAC 2-7-1(22)(C)(i)(CC) from 25 tons per year to 100 tons per year.

- (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

- (e) Pursuant to 326 IAC 2-6.1-7, the Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date established in the validation letter. If IDEM-OAQ and HDEM upon receiving a timely and complete 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. The operation permit issued shall contain as a minimum the conditions in Section C and Section D of this permit.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

C.1 PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]

- (a) The total source potential to emit of CO, NO_x (as itself, not as an ozone precursor), and Pb is less than 250 tons per year, 250 tons per year, and 25 tons per year, respectively. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 will not apply.
- (b) Any change or modification which may increase potential to emit of CO to 250 tons per year, NO_x to 250 tons per year, or Pb to 25 tons per year, respectively, from this source, shall cause this source to be considered a major source under PSD, 326 IAC 2-2 and 40 CFR 52.21, and shall require approval from IDEM-OAQ and HDEM prior to making the change.

C.2 Emission Offset Minor Source Status [326 IAC 2-3]

- (a) The total source potential to emit of PM-10 and SO₂ is less than 100 tons per year. Therefore, the requirements of 326 IAC 2-3 (Emission Offset) will not apply.
- (b) The total source potential to emit of VOC is less than 25 tons per year. Therefore, the requirements of 326 IAC (Emission Offset) will not apply.
- (c) Any change or modification which may increase potential to emit of PM-10 or SO₂ to 100 tons per year, from the equipment covered in this permit, shall require an Emission Offset pursuant to 326 IAC 2-3, before such change may occur.
- (d) Any change or modification which may increase potential to emit of VOC to 25 tons per year, from the equipment covered in this permit, shall require an Emission Offset pursuant to 326 IAC 2-3, before such change may occur.
- (e) Any change or modification which may increase potential to emit 10 tons per year of any single hazardous air pollutant, 25 tons per year of any combination of hazardous air pollutants, or 100 tons per year of any other regulated pollutant from this source, shall cause this source to be considered a major source under Part 70 Permit Program, 326 IAC 2-7, and shall require approval from IDEM-OAQ and HDEM prior to making the change.

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) after issuance of this permit, including the following information on each emissions unit:
 - (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;
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to a violation of any limitation on emissions or potential to emit.

- (c) PMP's shall be submitted to IDEM-OAQ and HDEM upon request and shall be subject to review and approval by IDEM-OAQ and HDEM. IDEM-OAQ and HDEM may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or contributes to any violation.

C.4 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

- (a) The Permittee must comply with 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
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1.

- (c) The Permittee shall notify the OAQ and HDEM within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

C.5 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]

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, HDEM, 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) Have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (c) Inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

C.6 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to [326 IAC 2-6.1-6(d)(3)] :

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM-OAQ,

Permits Branch and HDEM, within thirty (30) days of the change.

- (b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM-OAQ and HDEM shall issue a revised permit.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

C.7 Permit Revocation [326 IAC 2-1-9]

Pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to construct and 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 and HDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.8 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this 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.9 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). 326 IAC 6-4-2(4) is not federally enforceable.

C.10 Fugitive Dust Emissions [326 IAC 6-1-11.1]

The Permittee shall be in violation of 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), if the opacity of fugitive particulate emissions exceeds ten percent (10%).

C.11 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the source's permit application submitted on October 26, 1999. The controlling of any dust from the unpaved roadways shall be controlled by wetting the area with water per the source's permit application.

Testing Requirements

C.12 Performance Testing [326 IAC 3-6]

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. 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.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above addresses so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM-OAQ and HDEM within forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM-OAQ and HDEM, if the source submits to IDEM-OAQ and HDEM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1.

Compliance Monitoring Requirements

C.13 Compliance Monitoring [326 IAC 2-1.1-11]

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.14 Monitoring Methods [326 IAC 3]

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, or other approved methods as specified in this permit.

C.15 Pressure Gauge Specifications [326 IAC 2-1.1-11]

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale.

C.16 Compliance Response Plan – Preparation, Implementation, Records, and Reports [326 IAC 1-6]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM-OAQ and HDEM upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
 - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall constitute a violation of the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) The Permittee shall record all instances when response steps are taken. In the event of a malfunction, the provisions of 326 IAC 1-6 (Malfunctions) shall prevail.
- (e) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test

- (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 corrective actions. The Permittee shall submit a description of these corrective actions to IDEM-OAQ and HDEM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected emissions unit while the corrective actions are being implemented. IDEM-OAQ or HDEM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM-OAQ and HDEM within thirty (30) days of receipt of the notice of deficiency. IDEM-OAQ and HDEM reserve the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM-OAQ and HDEM that retesting in one-hundred and twenty (120) days is not practicable, IDEM-OAQ and HDEM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected emissions unit.

The documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

Record Keeping and Reporting Requirements

C.18 Malfunctions Report [326 IAC 1-6-2]

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 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) 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.19 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 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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.20 Annual Emission Inventory [Hammond Ordinance No. 7102]

The Permittee shall submit an annual emission inventory containing production information/fuel usage for each permitted unit. The emission inventory must be received by April 15th 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).

C.21 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

- (e) At its discretion, IDEM and HDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.22 General Record Keeping Requirements [326 IAC 2-6.1-2]

- (a) Records of all required monitoring data and support information 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 kept at the source location for a minimum of three (3) years and available upon the request of an IDEM-OAQ or HDEM representative. 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 written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C – Compliance Response Plan – Preparation, Implementation, Records, and Reports, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented when operation begins.

C.23 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
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) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

C.24 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) Annual notification shall be submitted 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) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.
- (c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than April 15 of each year to:

Compliance Branch, Office of Air Quality
Indiana Department of Environmental Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

and

Hammond Department of Environmental Management
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

- (d) 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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

One (1) Pangborn Mechanical Coil Descaler, 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.

Emission Limitations and Standards

D.1.1 Particulate Matter (PM) [326 IAC 6-1-2(a)]

Pursuant to 326 IAC 6-1-2(a)(Nonattainment Area Particulate Limitations), particulate matter (PM) emissions from the Pangborn Mechanical Descaler shall be limited to 0.03 grain per dry standard cubic foot.

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

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for this emissions unit and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.3 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM or HDEM, compliance with the PM limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.4 Particulate Matter (PM)

Pursuant to OP# 01773, issued on April 7, 2000, 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.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.5 Visible Emissions Notations

- (a) Daily visible emission notations of the Pangborn Mechanical Coil Descaler stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.1.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the collector used in conjunction with the Pangborn Mechanical Coil Descaler, at least once weekly when the Pangborn Mechanical Coil Descaler is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the collector is outside the normal range of 0.5 and 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports. 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C – Pressure Gauge 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.1.7 Filter Inspections

An inspection shall be performed each calendar quarter of all filters controlling the Pangborn Mechanical Coil Descaler when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. All defective filters shall be replaced.

D.1.8 Broken or Failed Filter Detection

In the event that filter failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency.
- (b) For single compartment collectors, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.9 Record Keeping and Reporting Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of daily visible emission notations of the Pangborn Mechanical Coil Descaler stack exhaust.
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain the following:
 - (1) Weekly records of the following operational parameters during normal operation when venting to the atmosphere:

- (A) Inlet and outlet differential static pressure.
 - (2) Documentation of all response steps implemented, per event.
 - (3) Operation and preventive maintenance logs, including work purchase orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description

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

One (1) Fennel Corporation No. 3 Roller Hearth Furnace, 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.

Emission Limitations and Standards

D.2.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), 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 C - Preventive Maintenance Plan, of this permit, is required for this emissions unit and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

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

The Permittee is not required to test this emissions unit by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.2.4 Compliance Monitoring

There are no compliance monitoring requirements applicable to this facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.2.5 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

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

Emission Limitations and Standards

D.3.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.3.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.3.3 Compliance Monitoring

There are no compliance monitoring requirements applicable to this insignificant facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.3.4 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description

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

One (1) Wheelabrator No. 1 (East) Shot Blasting Operation and One (1) Wheelabrator No. 2 (West) Shot Blasting Operation, 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.

Emission Limitations and Standards

D.4.1 Particulate Matter less than 10 microns (PM10) [326 IAC 6-1-10.1(d)]

Pursuant to 326 IAC 6-1-10.1 (Lake County PM10 emission requirements), 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 0.001 lbs/ton and 0.020 lbs/hr as specifically listed in 326 IAC 6-1-10.1(d).

D.4.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for these emissions units and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.4.3 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance with the PM10 limit specified in Condition D.4.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.4.4 Particulate Matter (PM)

Pursuant to OP#s 01776 & 01777, issued on April 7, 2000, 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.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.4.5 Visible Emissions Notations

- (a) Daily visible emission notations of the Mikropul Horizontal Cartridge Filter System stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.4.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the 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 weekly when the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the collector is outside the normal range of 0.5 and 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports. 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C – Pressure Gauge 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.4.7 Filter Inspections

An inspection shall be performed each calendar quarter of all filters controlling the Wheelabrator No. 1 (East) Shot Blasting Operation and the Wheelabrator No. 2 (West) Shot Blasting Operation when venting to the atmosphere. A filter inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. All defective filters shall be replaced.

D.4.8 Broken or Failed Filter Detection

In the event that filter failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency.
- (b) For single compartment collectors, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.4.9 Record Keeping and Reporting Requirements

- (a) To document compliance with Condition D.4.5, the Permittee shall maintain records of daily visible emission notations of the Mikropul Horizontal Cartridge Filter System stack exhaust.

- (b) To document compliance with Condition D.4.6, the Permittee shall maintain the following:
 - (1) Weekly records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure.
 - (2) Documentation of all response steps implemented, per event.
 - (3) Operation and preventive maintenance logs, including work purchase orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
- (c) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

One (1) No. 11 Furnace with a maximum design rate of 1.7085 Tons/hr. Particulate emissions are controlled by a Uni-wash dust collector efficient in eliminating oily smoke, stack identified as S-6.

Emission Limitations and Standards

D.5.1 Particulate Matter less than 10 microns (PM10) [326 IAC 6-1-10.1(d)]

Pursuant to 326 IAC 6-1-10.1 (Lake County PM10 emission requirements), the PM10 emissions from the No. 11 Furnace shall be limited to 0.548 lbs/ton and 0.940 lbs/hr as specifically listed in 326 IAC 6-1-10.1(d).

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

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for this emissions unit and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.3 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM or HDEM, compliance with the PM10 limit specified in Condition D.5.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.5.4 Particulate Matter (PM)

Pursuant to OP# 01779, issued on April 7, 2000, the Uni-wash dust collector for PM10 control shall be in operation and control emissions from the No. 11 Furnace at all times when the No. 11 Furnace is in operation.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.5 Visible Emissions Notations

- (a) Daily visible emission notations of the No. 11 Furnace stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.5.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the collector used in conjunction with the No. 11 Furnace, at least once weekly when the No. 11 Furnace is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the collector is outside the normal range of 0.5 and 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports. 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C – Pressure Gauge 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.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.7 Record Keeping and Reporting Requirements

- (a) To document compliance with Condition D.5.5, the Permittee shall maintain records of daily visible emission notations of the No. 11 Furnace stack exhaust.
- (b) To document compliance with Condition D.5.6, the Permittee shall maintain the following:
 - (1) Weekly records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure.
 - (2) Documentation of all response steps implemented, per event.
 - (3) Operation and preventive maintenance logs, including work purchase orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
- (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 – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

One (1) Mammoth Space Heater, Shipping Building East, 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.

Emission Limitations and Standards

D.6.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.6.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.6.3 Compliance Monitoring

There are no compliance monitoring requirements applicable to this insignificant facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.6.4 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.7 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

One (1) Mammoth Space Heater, Shipping Building West, 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.

Emission Limitations and Standards

D.7.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.7.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.7.3 Compliance Monitoring

There are no compliance monitoring requirements applicable to this insignificant facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.7.4 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.8 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

Three (3) Space Heaters, Building No. 70, 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.

Emission Limitations and Standards

D.8.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.8.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.8.3 Compliance Monitoring

There are no compliance monitoring requirements applicable to this insignificant facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.8.4 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.9 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

Two (2) Dayton Space Heaters, Building No. 60, 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.

Emission Limitations and Standards

D.9.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.9.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.9.3 Compliance Monitoring

There are no compliance monitoring requirements applicable to this insignificant facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.9.4 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.10 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

Nine (9) Space Heat Units:

- (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.

Emission Limitations and Standards

D.10.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO).

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.10.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.10.3 Compliance Monitoring

There are no compliance monitoring requirements applicable to this insignificant facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.10.4 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.11 EMISSIONS UNIT OPERATION CONDITIONS – INSIGNIFICANT ACTIVITY

Emissions Unit Description

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

One (1) Coil Drawing Line No. 5, 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.

Emission Limitations and Standards

D.11.1 Particulate Matter (PM) [326 IAC 6-1-2(a)]

Pursuant to 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.

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

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for this emissions unit and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.11.3 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM or HDEM, compliance with the PM limit specified in Condition D.13.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.11.4 Particulate Matter (PM)

Pursuant to OP# 01767, issued on April 7, 2000, 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.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.11.5 Visible Emissions Notations

- (a) Daily visible emission notations of the Coil Drawing Line No. 5 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.11.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the collector used in conjunction with the in-line shotblaster, at least once weekly when the in-line shotblaster is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the collector is outside the normal range of 0.5 and 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports. 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 – Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C – Pressure Gauge 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.11.7 Dust Collector Inspections

An inspection shall be performed each calendar quarter of all bags controlling the Coil Drawing Line No. 5 when venting to the atmosphere. A dust collector inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. All defective bags shall be replaced.

D.11.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency.
- (b) For single compartment collectors, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.11.9 Record Keeping and Reporting Requirements

- (a) To document compliance with Condition D.11.5, the Permittee shall maintain records of daily visible emission notations of the Coil Drawing Line No. 5 stack exhaust.
- (b) To document compliance with Condition D.11.6, the Permittee shall maintain the following:
 - (1) Weekly records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure.
 - (2) Documentation of all response steps implemented, per event.

- (3) Operation and preventive maintenance logs, including work purchase orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
- (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

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

One (1) Cold Finished Steel Bars from Hot Rolled Bar Process, 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.

Emission Limitations and Standards

D.12.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), 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 C - Preventive Maintenance Plan, of this permit, is required for these emissions units and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.12.3 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.12.4 Compliance Monitoring

There are no compliance monitoring requirements applicable to this facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.12.5 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

SECTION D.13 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description

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

One (1) Screw Hearth Line, including one (1) Hardening Furnace, one (1) Tempering Furnace, and one (1) Reservoir Tank Furnace, 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.

Emission Limitations and Standards

D.13.1 Particulate Matter (PM), Sulfur Dioxide (SO₂), Nitrogen Oxide (NO_x), Volatile Organic Compound (VOC), and Carbon Monoxide (CO)

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 (SO₂), Nitrogen Oxide (NO_x), 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 C - Preventive Maintenance Plan, of this permit, is required for these emissions units and any control device.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.13.3 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test these emissions units by this permit. However, IDEM or HDEM may require compliance testing when necessary to determine if the emissions units are in compliance. If testing is required by IDEM or HDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.13.4 Compliance Monitoring

There are no compliance monitoring requirements applicable to this facility.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.13.5 Record Keeping and Reporting Requirements

There are no record keeping or reporting requirements for this facility.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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).

Company Name:	LaSalle Steel Company
Address:	1412 – 150th Street
City:	Hammond, Indiana 46327
Phone #:	(219)853-6233
MSOP #:	089-11518-00220

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

I hereby certify that **LaSalle Steel Company** is
 in compliance with the requirements of **MSOP 089-11518-00220**.
 not in compliance with the requirements of **MSOP 089-11518-00220**.

Authorized Individual (typed):
Title:
Signature:
Date:

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.

Noncompliance:

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-5967
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
FAX NUMBER - 219 853-6343**

**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: LaSalle Steel Company PHONE NO. (219)853-6233
LOCATION: (CITY AND COUNTY) Hammond, IN, Lake County
PERMIT NO. 089-11518-00220 AFS PLANT ID: 089-00220 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: _____

*SEE PAGE 2

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:
