



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: May 7, 2012

RE: Nanshan America Advanced Aluminum Technologies, LLC / 157-31759-00466

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot12/3/07



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May 7, 2012

Jamie Beardsley
Nanshan America Advanced Aluminum Technologies, LLC
3930 Mazzanine Drive, Suite C
Lafayette, Indiana, 47905

Re: 157-31759-00466
Second Administrative Amendment to
F157-31087-00466

Dear Jamie Beardsely:

Nanshan America Advanced Aluminum Technologies, LLC was issued a Federally Enforceable State Operating Permit (FESOP) No. F157-31087-00466 on March 21, 2012 for a stationary aluminum production and extrusion source located at 3600 U.S. 52 South, Lafayette, Indiana 47909.

On March 30, 2012, the Office of Air Quality (OAQ) received an application from the source to administratively change its FESOP to correct typographical errors in the emission unit descriptions of its permit for the nine (9) cooling towers. The typographical errors were corrected in FESOP Administrative Amendment NO. 157-31684-00466, issued April 9, 2012. However, in the processing of the administrative amendment, the draft version of FESOP No. 157-31087-00466 was used as the final permit, instead of using the final version that was issued March 21, 2012. Therefore, Administrative Amendment No. 157-31684-00466 was incorrect when it was issued. IDEM has decided to issue another administrative amendment that will incorporate the changes made in the previous administrative amendment into the final version of the permit. The following shows the changes made:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(a) ---

(z) One (1) Cooling Tower #1, identified as EU 026, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;

(aa) One (1) Cooling Tower #2, identified as EU 027, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;

(bb) One (1) Cooling Tower #3, identified as EU 028, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;

(cc) One (1) Cooling Tower #4, identified as EU 029, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;

(dd) One (1) Cooling Tower #5, identified as EU 030, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;

- (ee) One (1) Cooling Tower #6, identified as EU 031, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;
- (ff) One (1) Cooling Tower #7, identified as EU 032, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;
- (gg) One (1) Cooling Tower #8, identified as EU 033, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;
- (hh) One (1) Cooling Tower #9, identified as EU 034, approved for construction in 2012, with a maximum capacity of ~~4,052~~ **6,000** gpm, using no controls, and exhausting to atmosphere;

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

- (z) One (1) Cooling Tower #1, identified as EU 026, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;
- (aa) One (1) Cooling Tower #2, identified as EU 027, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;
- (bb) One (1) Cooling Tower #3, identified as EU 028, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;
- (cc) One (1) Cooling Tower #4, identified as EU 029, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;
- (dd) One (1) Cooling Tower #5, identified as EU 030, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;
- (ee) One (1) Cooling Tower #6, identified as EU 031, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;
- (ff) One (1) Cooling Tower #7, identified as EU 032, approved for construction in 2012, with a maximum capacity of ~~354~~ **2,000** gpm, using no controls, and exhausting to atmosphere;
- (gg) One (1) Cooling Tower #8, identified as EU 033, approved for construction in 2012, with a maximum capacity of ~~704~~ **4,000** gpm, using no controls, and exhausting to atmosphere;
- (hh) One (1) Cooling Tower #9, identified as EU 034, approved for construction in 2012, with a maximum capacity of ~~4,052~~ **6,000** gpm, using no controls, and exhausting to atmosphere;

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

Nanshan America Advanced Aluminum Technologies, LLC
Lafayette, Indiana
Permit Reviewer: Jack Harmon

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Administrative Amendment No. 157-31759-00466

If you have any questions on this matter, please contact Jack Harmon, of my staff, at 317-233-4228 or 1-800-451-6027, and ask for extension 3-4228.

Sincerely,



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit

IC/jh

cc: File - Tippecanoe County
Tippecanoe County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Billing, Licensing and Training Section



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**New Source Construction and Federally Enforceable
State Operating Permit
OFFICE OF AIR QUALITY**

**Nanshan America Aluminum Advanced Technologies, LLC
3600 U.S. 52 South
Lafayette, Indiana 47909**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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 FESOP under 326 IAC 2-8.

Operation Permit No.: F157-31087-00466	
Original Signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: March 21, 2012 Expiration Date: March 21, 2017
First Administrative Amendment No. 157-31684--00466, issued April 9, 2012	
Second Administrative Amendment No.: 157-31759-00466	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 7, 2012 Expiration Date: March 21, 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 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 2-8-3(b)]

The Permittee owns and operates a stationary secondary aluminum production and extrusion facility.

Source Address:	3600 U.S. 52 South, Lafayette, Indiana 47909
General Source Phone Number:	765-586-6330
SIC Code:	3365 (Secondary Metal Production Plants) 3354 (Aluminum Extruded Products)
County Location:	Tippecanoe
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) One (1) natural gas-fired Reverberatory Furnace #1, identified as EU 001, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 17,000 lb/hr, or 74,460 ton/yr, using reactive flux at a maximum rate of 3.49 lb/hr, controlled by baghouses BH-01 and BH-02, exhausting through stacks S-01 and S-02, and using lime injection LI-01 for HCl and SO₂ control.

Note: These control devices have been evaluated and determined to be not integral to the process.

Under 40 CFR 63, Subpart RRR, this unit is considered an affected facility.

- (b) One (1) natural gas-fired Reverberatory Furnace #2, identified as EU 002, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 17,000 lb/hr, or 74,460 ton/yr, using reactive flux at a maximum rate of 3.49 lb/hr, controlled by baghouses BH-03 and BH-04, exhausting through stacks S-04 and S-05, and using lime injection LI-02 for HCl and SO₂ control.

Note: These control devices have been evaluated and determined to be not integral to the process.

Under 40 CFR 63, Subpart RRR, this unit is considered an affected facility.

- (c) One (1) natural gas-fired Holding Furnace #1, identified as EU 003, approved for construction in 2012, with a maximum heat input capacity of 12.0 MMBtu/hr, with a maximum throughput capacity of 16,150 lb/hr, or 70,737 ton/yr, controlled by baghouse BH-01, exhausting through stacks S-01 and S-03;

- (d) One (1) natural gas-fired Holding Furnace #2, identified as EU 004, approved for construction in 2012, with a maximum heat input capacity of 12.0 MMBtu/hr, with a maximum throughput capacity of 16,150 lb/hr, or 70,7.7 ton/yr, controlled by baghouse BH-03, exhausting through stacks S-04 and S-06;

Note: These Holding Furnaces #1 and #2 are only exposed for 10% of the time and covered 90% of the time.
- (e) One (1) natural gas-fired Homogenizing Furnace #1, identified as EU 005, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 10,500 lb/hr, or 45,990 ton/yr, using no controls, and exhausting through stack S-07;
- (f) One (1) natural gas-fired Homogenizing Furnace #2, identified as EU 006, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 10,500 lb/hr, or 45,990 ton/yr, using no controls, and exhausting through stack S-08;
- (g) One (1) natural gas-fired Homogenizing Furnace #3, identified as EU 007, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 10,500 lb/hr, or 45,990 ton/yr, using no controls, and exhausting through stack S-09;
- (h) One (1) natural gas-fired Billet Heater #1, identified as EU 008, approved for construction in 2012, with a maximum heat input capacity of 5.4 MMBtu/hr, with a maximum throughput capacity of 4,550 lb/hr, or 19,919 ton/yr, using no controls, and exhausting through stack S-10;
- (i) One (1) natural gas-fired Billet Heater #2, identified as EU 009, approved for construction in 2012, with a maximum heat input capacity of 15.0 MMBtu/hr, with a maximum throughput capacity of 12,650 lb/hr, or 55,407 ton/yr, using no controls, and exhausting through stack S-11;
- (j) One (1) natural gas-fired Billet Heater #3, identified as EU 010, approved for construction in 2012, with a maximum heat input capacity of 5.4 MMBtu/hr, with a maximum throughput capacity of 4,550 lb/hr, or 19,919 ton/yr, using no controls, and exhausting through stack S-12;
- (k) One (1) natural gas-fired Billet Heater #4, identified as EU 011, approved for construction in 2012, with a maximum heat input capacity of 10.8 MMBtu/hr, with a maximum throughput capacity of 9,610 lb/hr, or 42,091 ton/yr, using no controls, and exhausting through stack S-13;
- (l) One (1) natural gas-fired Heat Treat Oven #1, identified as EU 012, approved for construction in 2012, with a maximum heat input capacity of 10.5 MMBtu/hr, with a maximum throughput capacity of 5880 lb/hr, or 25,754 ton/yr, using no controls, and exhausting through stack S-14;
- (m) One (1) natural gas-fired Heat Treat Oven #2, identified as EU 013, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-14;
- (n) One (1) natural gas-fired Heat Treat Oven #3, identified as EU 014, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-15;
- (o) One (1) natural gas-fired Heat Treat Oven #4, identified as EU 015, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-15;
- (p) One (1) natural gas-fired Heat Treat Oven #5, identified as EU 016, approved for construction in

- 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-16;
- (q) One (1) natural gas-fired Heat Treat Oven #6, identified as EU 017, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-16;
 - (r) One (1) natural gas-fired Heat Treat Oven #7, identified as EU 018, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-17;
 - (s) One (1) natural gas-fired Heat Treat Oven #8, identified as EU 019, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-17;
 - (t) One (1) natural gas-fired Microturbine #1, identified as EU 020, approved for construction in 2012, with a maximum heat input capacity of 6.84 MMBtu/hr, with a maximum power rating of 500kW, using no controls, and exhausting through stack S-18;
 - (u) One (1) natural gas-fired Microturbine #2, identified as EU 021, approved for construction in 2012, with a maximum heat input capacity of 6.84 MMBtu/hr, with a maximum power rating of 500kW, using no controls, and exhausting through stack S-19;
 - (v) One (1) Dross Press operation, identified as EU 022, approved for construction in 2012, with a maximum capacity of 1360 lb/hr, or 5,957 ton/yr, using no controls, and exhausting through stack S-20;
 - (w) One (1) Casting Operation, identified as EU 023, approved for construction in 2012, with a maximum capacity of 15.12 tons per hour (54 metric tons per cycle and 6 cycles per day), or 132,451 ton/yr, using no controls, and exhausting inside the building;
 - (x) One (1) Nitriding process, identified as EU 024, approved for construction in 2012, using Adsorber AD-01 for control, and exhausting inside the building;

Note: The nitriding process emits ammonia (NH₃), which is not a regulated pollutant or hazardous air pollutant. The control device, Adsorber AD-01, is a voluntary control device that controls odor and is not needed to satisfy any regulatory requirements. There are no emissions of regulated pollutants. Therefore, there are no emissions calculations for this operation.

- (y) One (1) Caustic Die Cleaning operation, identified as EU 025, approved for construction in 2012, with Neutralizing Scrubber NS-01 for control, and exhausting through stack S-21;

Note: The caustic die cleaning operation uses sodium hydroxide (NaOH), which is not a regulated pollutant or a hazardous air pollutant. The control device, Neutralizing Scrubber NS-01, is a voluntary control device that is not needed to satisfy any regulatory requirements. There are no emissions of regulated pollutants. Therefore, there are no emissions calculations for this operation.

- (z) One (1) Cooling Tower #1, identified as EU 026, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (aa) One (1) Cooling Tower #2, identified as EU 027, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (bb) One (1) Cooling Tower #3, identified as EU 028, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;

- (cc) One (1) Cooling Tower #4, identified as EU 029, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (dd) One (1) Cooling Tower #5, identified as EU 030, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (ee) One (1) Cooling Tower #6, identified as EU 031, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (ff) One (1) Cooling Tower #7, identified as EU 032, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (gg) One (1) Cooling Tower #8, identified as EU 033, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (hh) One (1) Cooling Tower #9, identified as EU 034, approved for construction in 2012, with a maximum capacity of 6,000 gpm, using no controls, and exhausting to atmosphere;
- (ii) One (1) diesel-fueled emergency generator, identified as GEN-1, approved for construction in 2012, with a maximum power rating of 350 kW, or 1.194 MMBtu/hr, using no controls, exhausting to atmosphere;

Under 40 CFR 63, Subpart ZZZZ, this is considered an affected facility.

- (jj) One (1) material storage area, used to store clean aluminum ingots, with a maximum storage capacity of 9,000 tons;

Note: The area is covered, the material is clean, and will not be subject to wind; therefore, particulate emissions from this area is considered to be negligible.

- (kk) Fugitive Dust Sources from Paved Roads, identified as EU 035.
- (ll) One (1) diesel fuel storage tank, with a maximum storage capacity of 1,500 gallons, and one (1) propane storage tank, with a maximum storage capacity of 1,000 gallons.

A.3 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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 2-7) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4][326 IAC 2-8]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

-
- (a) This permit, F157-31087-00466, is issued for a fixed term of five (5) 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.5 Term of Conditions [326 IAC 2-1.1-9.5]

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.6 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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.7 Severability [326 IAC 2-8-4(4)]

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.8 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (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.10 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
 - (1) it contains a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent 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.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 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

- (b) The annual compliance certification report 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) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.13 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

- (a) If required by specific condition(s) in Section D of this permit, 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 PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (b) 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) 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.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality,
Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile 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

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F157-31087-00466 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.16 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.18 Permit Renewal [326 IAC 2-8-3(h)]

- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a

certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 nine (9) months 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 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) 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 2-8 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 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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
- Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;

- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(1) and (c).

(b) Emission Trades [326 IAC 2-8-15(b)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(b).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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 FESOP 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.23 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.

- (c) 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.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM) and greenhouse gases (GHGs), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (4) The potential to emit greenhouse gases (GHGs) from the entire source shall be limited to less than one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 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.5 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.6 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.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. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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.

Testing Requirements [326 IAC 2-8-4(3)]

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

- (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. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The Permittee shall notify IDEM, OAQ 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 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]

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 2-8-4][326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for 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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (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.
- (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 [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (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.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (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. Support information includes the following:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

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.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

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) 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.

- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. 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.

Stratospheric Ozone Protection

C.17 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired Reverberatory Furnace #1, identified as EU 001, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 17,000 lb/hr, or 74,460 ton/yr, using reactive flux at a maximum rate of 3.49 lb/hr, controlled by baghouses BH-01 and BH-02, exhausting through stacks S-01 and S-02, and using lime injection LI-01 for HCl and SO₂ control.

Note: These control devices have been evaluated and determined to be not integral to the process.

Under 40 CFR 63, Subpart RRR, this unit is considered an affected facility.

- (b) One (1) natural gas-fired Reverberatory Furnace #2, identified as EU 002, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 17,000 lb/hr, or 74,460 ton/yr, using reactive flux at a maximum rate of 3.49 lb/hr, controlled by baghouses BH-03 and BH-04, exhausting through stacks S-04 and S-05, and using lime injection LI-02 for HCl and SO₂ control.

Note: These control devices have been evaluated and determined to be not integral to the process.

Under 40 CFR 63, Subpart RRR, this unit is considered an affected facility.

- (c) One (1) natural gas-fired Holding Furnace #1, identified as EU 003, approved for construction in 2012, with a maximum heat input capacity of 12.0 MMBtu/hr, with a maximum throughput capacity of 16,150 lb/hr, or 70,737 ton/yr, controlled by baghouse BH-01, exhausting through stacks S-01 and S-03;

- (d) One (1) natural gas-fired Holding Furnace #2, identified as EU 004, approved for construction in 2012, with a maximum heat input capacity of 12.0 MMBtu/hr, with a maximum throughput capacity of 16,150 lb/hr, or 70,7.7 ton/yr, controlled by baghouse BH-03, exhausting through stacks S-04 and S-06;

Note: These Holding Furnaces #1 and #2 are only exposed for 10% of the time and covered 90% of the time.

- (e) One (1) natural gas-fired Homogenizing Furnace #1, identified as EU 005, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 10,500 lb/hr, or 45,990 ton/yr, using no controls, and exhausting through stack S-07;

- (f) One (1) natural gas-fired Homogenizing Furnace #2, identified as EU 006, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 10,500 lb/hr, or 45,990 ton/yr, using no controls, and exhausting through stack S-08;

- (g) One (1) natural gas-fired Homogenizing Furnace #3, identified as EU 007, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 10,500 lb/hr, or 45,990 ton/yr, using no controls, and exhausting through stack S-09;

- (h) One (1) natural gas-fired Billet Heater #1, identified as EU 008, approved for construction in 2012, with a maximum heat input capacity of 5.4 MMBtu/hr, with a maximum throughput capacity of 4,550 lb/hr, or 19,919 ton/yr, using no controls, and exhausting through stack S-10;
- (i) One (1) natural gas-fired Billet Heater #2, identified as EU 009, approved for construction in 2012, with a maximum heat input capacity of 15.0 MMBtu/hr, with a maximum throughput capacity of 12,650 lb/hr, or 55,407 ton/yr, using no controls, and exhausting through stack S-11;
- (j) One (1) natural gas-fired Billet Heater #3, identified as EU 010, approved for construction in 2012, with a maximum heat input capacity of 5.4 MMBtu/hr, with a maximum throughput capacity of 4,550 lb/hr, or 19,919 ton/yr, using no controls, and exhausting through stack S-12;
- (k) One (1) natural gas-fired Billet Heater #4, identified as EU 011, approved for construction in 2012, with a maximum heat input capacity of 10.8 MMBtu/hr, with a maximum throughput capacity of 9,610 lb/hr, or 42,091 ton/yr, using no controls, and exhausting through stack S-13;
- (l) One (1) natural gas-fired Heat Treat Oven #1, identified as EU 012, approved for construction in 2012, with a maximum heat input capacity of 10.5 MMBtu/hr, with a maximum throughput capacity of 5880 lb/hr, or 25,754 ton/yr, using no controls, and exhausting through stack S-14;
- (m) One (1) natural gas-fired Heat Treat Oven #2, identified as EU 013, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-14;
- (n) One (1) natural gas-fired Heat Treat Oven #3, identified as EU 014, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-15;
- (o) One (1) natural gas-fired Heat Treat Oven #4, identified as EU 015, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-15;
- (p) One (1) natural gas-fired Heat Treat Oven #5, identified as EU 016, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-16;
- (q) One (1) natural gas-fired Heat Treat Oven #6, identified as EU 017, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-16;
- (r) One (1) natural gas-fired Heat Treat Oven #7, identified as EU 018, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-17;
- (s) One (1) natural gas-fired Heat Treat Oven #8, identified as EU 019, approved for construction in 2012, with a maximum heat input capacity of 9.0 MMBtu/hr, with a maximum throughput capacity of 3,640 lb/hr, or 15,943 ton/yr, using no controls, and exhausting through stack S-17;
- (t) One (1) natural gas-fired Microturbine #1, identified as EU 020, approved for construction in 2012, with a maximum heat input capacity of 6.84 MMBtu/hr, with a maximum power rating of 500kW, using no controls, and exhausting through stack S-18;
- (u) One (1) natural gas-fired Microturbine #2, identified as EU 021, approved for construction in 2012, with a maximum heat input capacity of 6.84 MMBtu/hr, with a maximum power rating of

500kW, using no controls, and exhausting through stack S-19;

- (v) One (1) Dross Press operation, identified as EU 022, approved for construction in 2012, with a maximum capacity of 1360 lb/hr, or 5,957 ton/yr, using no controls, and exhausting through stack S-20;
- (w) One (1) Casting Operation, identified as EU 023, approved for construction in 2012, with a maximum capacity of 15.12 tons per hour (54 metric tons per cycle and 6 cycles per day), or 132,451 ton/yr, using no controls, and exhausting inside the building;
- (x) One (1) Nitriding process, identified as EU 024, approved for construction in 2012, using Adsorber AD-01 for control, and exhausting inside the building;

Note: The nitriding process emits ammonia (NH₃), which is not a regulated pollutant or hazardous air pollutant. The control device, Adsorber AD-01, is a voluntary control device that controls odor and is not needed to satisfy any regulatory requirements. There are no emissions of regulated pollutants. Therefore, there are no emissions calculations for this operation.

- (y) One (1) Caustic Die Cleaning operation, identified as EU 025, approved for construction in 2012, with Neutralizing Scrubber NS-01 for control, and exhausting through stack S-21;

Note: The caustic die cleaning operation uses sodium hydroxide (NaOH), which is not a regulated pollutant or a hazardous air pollutant. The control device, Neutralizing Scrubber NS-01, is a voluntary control device that is not needed to satisfy any regulatory requirements. There are no emissions of regulated pollutants. Therefore, there are no emissions calculations for this operation.

- (z) One (1) Cooling Tower #1, identified as EU 026, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (aa) One (1) Cooling Tower #2, identified as EU 027, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (bb) One (1) Cooling Tower #3, identified as EU 028, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (cc) One (1) Cooling Tower #4, identified as EU 029, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (dd) One (1) Cooling Tower #5, identified as EU 030, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (ee) One (1) Cooling Tower #6, identified as EU 031, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (ff) One (1) Cooling Tower #7, identified as EU 032, approved for construction in 2012, with a maximum capacity of 2,000 gpm, using no controls, and exhausting to atmosphere;
- (gg) One (1) Cooling Tower #8, identified as EU 033, approved for construction in 2012, with a maximum capacity of 4,000 gpm, using no controls, and exhausting to atmosphere;
- (hh) One (1) Cooling Tower #9, identified as EU 034, approved for construction in 2012, with a maximum capacity of 6,000 gpm, using no controls, and exhausting to atmosphere;
- (ii) One (1) diesel-fueled emergency generator, identified as GEN-1, approved for construction in

2012, with a maximum power rating of 350 kW, or 1.194 MMBtu/hr, using no controls, exhausting to atmosphere;

Under 40 CFR 63, Subpart ZZZZ, this is considered an affected facility.

- (jj) One (1) material storage area, used to store clean aluminum ingots, with a maximum storage capacity of 9,000 tons;

Note: The area is covered, the material is clean, and will not be subject to wind; therefore, particulate emissions from this area is considered to be negligible.

- (kk) Fugitive Dust Sources from Paved Roads, identified as EU 035.

- (ll) One (1) diesel fuel storage tank, with a maximum storage capacity of 1,500 gallons, and one (1) propane storage tank, with a maximum storage capacity of 1,000 gallons.

(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 2-8-4(1)]

D.1.1 Particulate Matter (PM) Limitations [326 IAC 2-2]

- (a) In order to render 326 IAC 2-2 (Prevention of Significant Deterioration PSD)) not applicable, the Permittee shall comply with the following:

- (1) PM Emissions from the reverberatory furnace EU-01 shall not exceed 6.72 lb/hr.
- (2) PM Emissions from the reverberatory furnace EU-02 shall not exceed 6.72 lb/hr.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 100 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

- (b) In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable and pursuant to 326 IAC 2-8-4, the Permittee shall comply with the following:

- (1) Natural gas usage for the entire source shall not exceed 1,656 million cubic feet (mmcf) of natural gas per 12 consecutive month period, with compliance determined at the end of each month.
- (2) carbon dioxide (CO₂) emissions from natural gas combustion shall not exceed 120,000 pounds per million cubic foot (lb/MMcf);
- (3) methane (CH₄) emissions from natural gas combustion shall not exceed 2.3 pounds per million cubic foot (lb/MMcf);
- (4) nitrous oxide (N₂O) emissions from natural gas combustion shall not exceed 2.2 pounds per million cubic foot (lb/MMcf);
- (5) the Global Warming Potential (GWP) for carbon dioxide (CO₂) shall not exceed 1.0;
- (6) the Global Warming Potential (GWP) for methane (CH₄) shall not exceed 21; and

- (7) the Global Warming Potential (GWP) for nitrous oxide (N₂O) shall not exceed 310.
- (8) The hours of usage of the emergency generator, GEN-1, shall not exceed one hundred (100) hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the carbon dioxide equivalent emissions (CO₂e) from all other emission units at the source, shall limit the source-wide total greenhouse gas (GHG) emissions to less than 100,000 tons of carbon dioxide equivalent emissions (CO₂e) per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.2 FESOP Limitations [326 IAC 2-8]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the Permittee shall comply with the following:

- (a) PM10 emissions from reverberatory furnaces EU-01 and EU-02 shall not exceed 7.90 lb/hr, from each furnace.
- (b) PM2.5 emissions from reverberatory furnaces EU-01 and EU-02 shall not exceed 7.90 lb/hr, from each furnace.
- (c) HCl emissions from reverberatory furnaces EU-01 and EU-02 shall not exceed 1.13 lb/hr, from each furnace.

Compliance with these limits, combined with the potential to emit PM10, PM2.5, and HCl from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, any single HAP to less than ten (10) tons per 12 consecutive month period, total HAPs to less than twenty-five (25) tons per 12 consecutive month period, and shall render 326 IAC 2-7 (Part 70 Permits), 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP) not applicable.

D.1.3 Particulate (PM) Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the foundry process operation shall not exceed the following pounds per hour when operating at a corresponding process weight rate of tons per hour, as shown in the table below. The pound per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

<u>Emission Unit</u>	<u>Process Weight Rate (tons/hr)</u>	<u>PM Emissions Limit (lb/hr)</u>
EU-01, EU-02 (Reverberatory Furnaces)	8.502 (includes flux) (each)	17.20 (each)
EU-03, EU-04 (Holding Furnaces)	8.075 (no flux) (each)	16.61 (each)
EU-022 (Dross Operation)	0.34	1.99

D.1.4 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 each emission unit and its control device.

Compliance Determination Requirements

D.1.5 Particulate Control and HAPs Control

In order to comply with Conditions D.1.1, D.1.2, and D.1.3, the following shall apply:

- (a) Baghouses BH-01 and BH-02 shall be in operation and shall control PM, PM₁₀, and PM_{2.5} emissions from the reverberatory furnace EU-01 at all times that the furnace is in operation.
- (b) Baghouses BH-03 and BH-04 shall be in operation and shall control PM, PM₁₀, and PM_{2.5} emissions from the reverberatory furnace EU-02 at all times that the furnace is in operation.
- (c) Lime injection System, LI-01 shall be in operation and shall control HCl emissions from the reverberatory furnace EU-01 at all times that the furnace is in operation.
- (d) Lime injection System, LI-02 shall be in operation and shall control HCl emissions from the reverberatory furnace EU-02 at all times that the furnace is in operation.

D.1.6 Testing Requirements [326 IAC 2-1.1-11]

In order to determine the compliance status of D.1.1, D.1.2, and D.1.3, within one hundred eighty (180) days after startup, in order to verify that both the PM, PM₁₀, PM_{2.5}, and HCl emissions from the reverberatory furnaces, identified as EU-01 and EU-02 do not exceed limits established in Conditions D.1.1 and D.1.2, the Permittee shall perform PM, PM₁₀, PM_{2.5}, and HCl testing for reverberatory furnaces, identified as EU-01 and EU-02, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the most recent valid demonstration of compliance. However, after the initial testing demonstrating compliance is done for each furnace, and as long as the processes remain identical, a valid repeat compliance demonstration of one furnace will be assumed to demonstrate compliance for the other furnace, and subsequent testing may be alternated from one furnace to the other. Section C – Performance Testing contains the obligation of the Permittee with regard to the performance testing required by this condition.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

D.1.7 Visible Emissions Notations

- (a) Visible emission notations of the furnace stack exhausts S-01, S-02, S-04, and S-05 shall be performed once per day 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) 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.1.8 Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouses used in conjunction with the reverberatory furnaces EU-01 and EU-02 at least once per day when the furnaces are in operation. When for any one reading, the pressure drop across the wet scrubber is outside the normal range of 5.0 and 10.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the 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.
- (b) 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 at least once every six (6) months.
- (c) The Permittee shall record the observations that the lime injection systems, LI-01 and LI-02 are working properly and that material is flowing freely through each system. When for any one observation indicating a reduced flow of material, or no flow of material, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the response steps required by this condition. An observation that is outside the above mentioned parameter 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.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.9 Recordkeeping Requirements

- (a) In order to document the compliance status with Condition D.1.1, the Permittee shall maintain records of natural gas burned, in million cubic feet (mmcf), in all natural gas-fired combustion units at the source each month, and each compliance period.
- (b) In order to document the compliance status with Condition D.1.7, the Permittee shall maintain records of daily visible emissions notations of the reverberatory furnace stacks S-01, S-02, S-04, and S-05 at least once per day when the reverberatory furnace is operating. The Permittee shall include in its daily record when a visible emissions notation is not taken and the reason for the lack of visible emissions notation (e.g., the reverberatory furnace did not operate that day).
- (c) In order to document the compliance status with Condition D.1.8, the Permittee shall maintain records of daily pressure drops of the reverberatory furnace baghouses BH-1, BH-2, BH-3, and BH-4, at least once per day when the reverberatory furnace is operating. The Permittee shall include in its daily record when a pressure drop is not taken and the reason for the lack of pressure drop notations (e.g., the reverberatory furnace did not operate that day).
- (d) In order to document the compliance status with Condition D.1.8, the Permittee shall maintain records of daily visual flow checks of the lime injection systems LI-1 and LI-2, at

least once per day when the reverberatory furnace is operating. The Permittee shall include in its daily record when a visual flow check is not taken and the reason for the lack of visible flow check (e.g., the reverberatory furnace did not operate that day).

- (e) In order to document the compliance status with Condition D.1.1, the Permittee shall maintain records of hours of usage for the emergency generator, GEN-1, each month, and each compliance period.
- (f) Section C – General Record Keeping Requirements of the permit contains the Permittee’s obligation with regard to the record keeping required by this condition.

D.1.10 Reporting Requirements

- (a) A quarterly report of the plant-wide natural gas usage as required in Condition D.1.1(b) shall be submitted to the address listed in Section C -General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required in this condition. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired Reverberatory Furnace #1, identified as EU 001, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 17,000 lb/hr, or 74,460 ton/yr, using reactive flux at a maximum rate of 3.49 lb/hr, controlled by baghouses BH-01 and BH-02, exhausting through stacks S-01 and S-02, and using lime injection LI-01 for HCl and SO₂ control. These control devices have been evaluated and determined to be not integral to the process.

Under 40 CFR 63, Subpart RRR, this unit is considered an affected facility.

- (b) One (1) natural gas-fired Reverberatory Furnace #2, identified as EU 002, approved for construction in 2012, with a maximum heat input capacity of 24.0 MMBtu/hr, with a maximum throughput capacity of 17,000 lb/hr, or 74,460 ton/yr, using reactive flux at a maximum rate of 3.49 lb/hr, controlled by baghouses BH-03 and BH-04, exhausting through stacks S-04 and S-05, and using lime injection LI-02 for HCl and SO₂ control. These control devices have been evaluated and determined to be not integral to the process.

Under 40 CFR 63, Subpart RRR, this unit is considered an affected facility.

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

National Emissions Standards for Hazardous Air Pollutants (NESHAP) Requirements for Secondary Aluminum Production Plants [40 CFR 63, Subpart RRR]

E.1.1 General Provisions Relating to National Emissions Standards for Hazardous Air Pollutants (NESHAP) [326 IAC 20] [40 CFR Part 63, Subpart A]

- (a) Pursuant to 40 CFR 63, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20, except as otherwise specified in 40 CFR Part 63, Subpart RRR.
- (b) Pursuant to 40 CFR 63, the Permittee shall submit all required notifications and reports 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

E.1.2 National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum Production Plants [40 CFR 63, Subpart RRR] [326 IAC 20]

Pursuant to 40 CFR 63, the Permittee shall comply with the provisions of National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum Production Plants, 40 CFR 63, Subpart RRR, which are incorporated by reference as 326 IAC 20, as specified as follows. The provisions of 40 CFR 63, Subpart RRR are shown in their entirety in Attachment A to this permit.

- (a) 40 CFR 63.1500(a),(c),(e)
(b) 40 CFR 63.1501(b)
(c) 40 CFR 63.1502
(d) 40 CFR 63.1503

- (e) 40 CFR 63.1505(a),(i)(3),(i)(6),(k)(3),(k)(5)
- (f) 40 CFR 63.1506(a)(1),(a)(4),(b)(1),(b)(2),(c),(d),(m)(1),(m)(3),(m)(4),(m)(5),(p)
- (g) 40 CFR 63.1510(a),(b),(c),(d)(e),(f)(1),(h),(i)(1),(i)(2),(s),(t),(u),(w)
- (h) 40 CFR 63.1511(a),(b),(c),(d),(g),(h),(i)
- (i) 40 CFR 63.1512(d)(1),(k),(n),(p),(q),(r),(s)
- (j) 40 CFR 63.1513(b),(d),(e)(3),(e)(4)
- (k) 40 CFR 63.1515(a)(1),(a)(2),(a)(4),(a)(5),(a)(6),(b)
- (l) 40 CFR 63.1516(a),(b)(1)
- (m) 40 CFR 63.1517(a),(b)(1),(b)(3),(b)(4),(b)(5),(b)(13),(b)(14),(b)(15),(b)(16),(b)(17)
- (n) 40 CFR 63.1518
- (o) 40 CFR 63.1519
- (p) 40 CFR 63, Tables 1,2, and 3

40 CFR 63.1512 contains testing requirements

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

The Permittee shall perform the stack testing as required under NESHAP 40 CFR 63, Subpart RRR, utilizing methods as approved by the Commissioner to document compliance with Condition E.1.2. These tests shall be repeated at least every five (5) years from the date of the last 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.

SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (ii) One (1) diesel-fueled emergency generator, identified as GEN-1, approved for construction in 2012, with a maximum power rating of 350 kW, or 1.194 MMBtu/hr, using no controls, exhausting to atmosphere;

Under 40 CFR 63, Subpart ZZZZ, this is considered an affected facility.

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

National Emissions Standards for Hazardous Air Pollutants (NESHAP) Requirements for Reciprocating Internal Combustion Engines [40 CFR 63, Subpart ZZZZ]

E.2.1 National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines [40 CFR 63, Subpart ZZZZ]

Pursuant to 40 CFR 63, the Permittee shall comply with the provisions of National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ, which are incorporated by reference as 326 IAC 20, as specified as follows., which are incorporated by reference as 326 IAC 20, as specified as follows. The provisions of 40 CFR 63, Subpart ZZZZ are shown in their entirety in Attachment B to this permit.

- (a) 40 CFR 63.6580
- (b) 40 CFR 63.6585
- (c) 40 CFR 63.6590(a)(2)(iii) and (c)(1)
- (d) 40 CFR 63.6595(a)(7)
- (e) 40 CFR 63.6665
- (f) 40 CFR 63.6670
- (g) 40 CFR 63.6675

There are no applicable testing requirements for the emergency generator.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION

Source Name: Nanshan America Aluminum Advanced Technologies, LLC
Source Address: 3600 U.S. 52 South, Lafayette, Indiana 47909
FESOP Permit No.: F157-31087-00466

**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 Compliance Certification Letter
- Test Result (specify)_____
- Report (specify)_____
- Notification (specify)_____
- Affidavit (specify)_____
- 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:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Nanshan America Aluminum Advanced Technologies, LLC
Source Address: 3600 U.S. 52 South, Lafayette, Indiana 47909
FESOP Permit No.: F157-31087-00466

This form consists of 2 pages

Page 1 of 2

- | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Nanshan America Aluminum Advanced Technologies, LLC
 Source Address: 3600 U.S. 52 South, Lafayette, Indiana 47909
 FESOP Permit No.: F157-31087-00466
 Facility: Source-wide
 Parameter: Natural Gas Usage
 Limit: Source-wide natural gas usage shall not exceed 1,656 million cubic feet (mmcf) per twelve (12) consecutive month period.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Natural Gas Usage This Month (mmcf)	Natural Gas Usage Previous 11 Months (mmcf)	Natural Gas Usage 12 Month Total (mmcf)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

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

FESOP Quarterly Report

Source Name: Nanshan America Aluminum Advanced Technologies, LLC
 Source Address: 3600 U.S. 52 South, Lafayette, Indiana 47909
 FESOP Permit No.: F157-31087-00466
 Facility: Emergency Generator GEN-1
 Parameter: Hours of Usage
 Limit: Hours of usage shall not exceed 100 hours per twelve (12) consecutive month period.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	Hours of Usage This Month (hours)	Hours of Usage Previous 11 Months (hours)	Hours of Usage 12 Month Total (hours)
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH
 FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Nanshan America Aluminum Advanced Technologies, LLC
 Source Address: 3600 U.S. 52 South, Lafayette, Indiana 47909
 FESOP Permit No.: F157-31087-00466

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

Nanshan America Aluminum Advanced Technologies, LLC
3600 U.S. 52 South
Lafayette, Indiana 47909

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of _____ for _____
(Title) (Company Name)
3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____.
(Company Name)
4. I hereby certify that Nanshan America Aluminum Advanced Technologies, LLC 3600 U.S. 52 South, Lafayette, Indiana 47909, completed construction of the secondary aluminum production and extrusion facility on in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on November 2, 2011 and as permitted pursuant to New Source Construction Permit and Federally Enforceable State Operating Permit No. F157-31087-00466, Plant ID No. 157-00466 issued on _____.
5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature _____
Date _____

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana
on this _____ day of _____, 20____. My Commission expires: _____.

Signature _____
Name _____ (typed or printed)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

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

TO: Jamie Beardsley
Nanshan America Advanced Aluminum Technologies, LLC
3930 Mezzanine Dr., Ste C
Lafayette, IN 47905

DATE: May 7, 2012

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

SUBJECT: Final Decision
Administrative Amendment
157-31759-00466

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:
Katie Kulik (LAN Associates)
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.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	MIDENNEY 5/7/2012 Nanshan America Advanced Aluminum Technologies LLC 157-31759-00466 (final)		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	Type of Mail: CERTIFICATE OF MAILING ONLY	

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		Jamie Beardsley Nanshan America Advanced Aluminum Technologies LLC 3930 Mezzanine Dr, Ste C Lafayette IN 47905 (Source CAATS) via confirm delivery										
2		Tippecanoe County Commissioners 20 N 3rd St, County Office Building Lafayette IN 47901 (Local Official)										
3		Tippecanoe County Health Department 20 N. 3rd St Lafayette IN 47901-1211 (Health Department)										
4		Lafayette City Council and Mayors Office 20 North 6th Street Lafayette IN 47901-1411 (Local Official)										
5		Ms. Dorothy Whicker 2700 Bonny Lane Lafayette IN 47904 (Affected Party)										
6		Ms. Geneva Werner 3212 Longlois Drive Lafayette IN 47904-1718 (Affected Party)										
7		Mrs. Phyllis Owens 3600 Cypress Lane Lafayette IN 47905 (Affected Party)										
8		Mr. Jerry White 1901 King Eider Ct West Lafayette IN 47906 (Affected Party)										
9		Ms. Rose Filley 5839 Lookout Drive West Lafayette IN 47906 (Affected Party)										
10		Mr. William Cramer 128 Seminole Drive West Lafayette IN 47906 (Affected Party)										
11		Mr. Robert Kelley 2555 S 30th Street Lafayette IN 44909 (Affected Party)										
12		Katie Kulik LAN Associates 88 Riberia Street, Ste. 400 St. Augustine FL 32084 (Consultant)										
13												
14												
15												

Total number of pieces Listed by Sender 11	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 Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual 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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