INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 8, 2008

RE: NTN Driveshaft, Inc. / 005-25439-00066

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

Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require 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 of 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.dot12/03/07

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

Mr. Nathan Goode
NTN Driveshaft, Inc
8251 S. International Drive,
Columbus, IN 47201

January 8, 2008

Re: 005-25439-00066
Significant Source Modification to:
Part 70 Permit Renewal No.: T005-20707-00066

Dear Mr. Goode:

NTN Driveshaft, Inc was issued Part 70 operating permit T005-20707-00066 on October 18, 2006, for the manufacturing of driveshaft parts. An application to modify the source was received on October 23, 2007. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

(a) Two (1) CVJ forging press #6, identified as EU70, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F8;

(b) Two (1) CVJ forging press #7, identified as EU71, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F9;

(c) One (1) heat treat induction hardening line HT44, identified as EU72, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(d) One (1) heat treat induction hardening line HT45, identified as EU73, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(e) One (1) heat treat induction hardening line HT46, identified as EU74, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(f) One (1) heat treat induction hardening line HT47, identified as EU75, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(g) One (1) heat treat induction hardening line HT48, identified as EU76, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(h) One (1) heat treat induction hardening line HT49, identified as EU77, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(i) One (1) degreaser, identified as Degreaser D20, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(j) One (1) degreaser, identified as Degreaser D21, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(k) One (1) degreaser, identified as Degreaser D22, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(l) One (1) degreaser, identified as Degreaser D23, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(m) One (1) degreaser, identified as Degreaser D24, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(n) One (1) degreaser, identified as Degreaser D25, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(o) One (1) degreaser, identified as Degreaser D26, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(p) One (1) degreaser, identified as Degreaser D27, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(q) One (1) degreaser, identified as Degreaser D28, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(r) One (1) degreaser, identified as Degreaser D29, permitted in 20087, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(s) One (1) degreaser, identified as Degreaser D30, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(t) One (1) degreaser, identified as Degreaser D31, permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval 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.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

This source may begin construction when the significant source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as significant permit modification in accordance with 326 IAC 2-7-12.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Josiah Balogun at the Indiana Department of Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, IN 46204-2251, or by telephone at (317) 234-5257 or toll free at 1-800-451-6027 extension 4-5257.

Original signed by,

Matt Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Attachments:
JB
cc: File – Bartholomew County
U.S. EPA, Region V
Bartholomew County Health Department
Air Compliance Section Inspector
Compliance Data Section
Administrative and Development

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PART 70 Significant Source Modification
OFFICE OF AIR QUALITY

NTN Driveshaft, Inc.
8251 South International Drive
Columbus, Indiana 47201

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

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. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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 2-7 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.

Significant Source Modification No.: 005-25439-00066	
Original signed by: Matt Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: January 8, 2008

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CERTIFICATION
EMERGENCY OCCURRENCE REPORT
Part 70 Operating Permit
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

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 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary source that manufactures driveshaft parts and related components.

Source Address:	8251 S. International Drive, Columbus, Indiana 47201
Mailing Address:	8251 S. International Drive, Columbus, Indiana 47201
General Source Phone Number:	(812)-342-7000
SIC Code:	3568, 3714
County Location:	Bartholomew
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD; Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

(1) Forging Presses, Shaft Line, and Parkerizing Line

(a) One (1) CVJ Forging Press #1, identified as EU1, constructed in 1996, with a rated capacity of 810 steel billets per hour and 2.27 gallons of graphite lubricant per hour, using an oil mist eliminator with steel mesh filters and water rinsing to control particulate emissions, and exhausting to stack F3;

(b) One (1) CVJ Forging Press #2, identified as EU2, constructed in 1996, with a rated capacity of 810 steel billets per hour and 2.27 gallons of graphite lubricant per hour, using a venturi scrubber with an oil mist elimination chamber to control particulate emissions, and exhausting to stack F4;

(c) One (1) Hub Forging Press #1, identified as EU4 (F1), constructed in 1996, with a rated capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist eliminator to control particulate emissions, and exhausting to stack F1;

(d) One (1) Parkerizing line, identified as EU23, constructed in 1996, with a rated capacity of 514 steel CVJ units per hour, 1.77 pounds per hour of Additive, 13.83 pounds per hour of Parco Cleaner, and 57.74 pounds per hour of Parco Lubrite, and exhausting to stack S2; and

(e) Three (3) CVJ forging presses #3, #4 and #5 identified as EU28, 29, and 30, constructed in 2004, 2005 and 2005, each with a maximum rated capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting at stacks F5, F6 and F7.

(f) Two (1) CVJ forging press #6, identified as EU70, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F8;

(g) Two (1) CVJ forging press #7, identified as EU71, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F9;

(2) Bonderizing Lines

(a) One (1) Bonderizing line, identified as EU22, constructed in 1996, with a rated capacity of 11,340 pounds of steel CVJ units per hour, 4.06 pounds per hour of Formcoat 1B, 8.88 pounds per hour of Formcoat 1A, 4.92 pounds per hour of Freiclean 10M, and 2.48 pounds of sulfuric acid per hour, using an acid scrubber to control particulate emissions, and exhausting to stack Bonderizing; and

(b) One (1) Bonderizing line #2, identified as EU31, constructed in 2005, with a maximum rated capacity of 11,340 pounds of steel CVJ units per hour, 4.00 pounds per hour of Formcoat 1B, 8.94 pounds per hour of Formcoat 1A, 4.94 pounds per hour of Freiclean 10M, and 2.48 pounds of sulfuric acid per hour, using an acid scrubber as control and exhausting at stack Bonderizing #2.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(1) Shaft Lines and Coating Lines

(a) One (1) shaft line, identified as EU16, constructed in 1996, with a rated capacity of 514 steel CVJ units per hour and 0.87 gallons of paint per hour, using dry filters to control particulate emissions, and exhausting to stack S4;

(b) One (1) shaft line electric convection oven, identified as shaft line convection oven, constructed in 1996, with a rated capacity of 480 steel CVJ units per hour, and exhausting to stack S5; and

(c) Six (6) rust preventive coating lines, identified as RP#1, constructed in 2004, PR#2, constructed in 2005, PR#3 constructed in 2004 and PR#4 through 6, permitted in 2006 (identified as EU54, 55, 56, 57, 58 and EU66), each with a maximum rated capacity of 180 steel CVJ units per hour.

(2) Shot Blasters

(a) One (1) Hub shot blaster, identified as EU4 (F2), constructed in 1996, with a rated capacity of 1,200 steel CVJ units per hour and 60,847 pounds of steel shot per hour, with a fabric filter, and exhausting to stack F2;

(b) One (1) My shot blaster 1, identified as EU24, constructed in 1996, with a rated capacity of 120 steel CVJ units per hour and 462 pounds of sand shot per hour, with a fabric filter, and exhausting to stack My 1;

(c) One (1) My shot blaster 2, identified as EU25, constructed in 1996, with a rated capacity of 120 steel CVJ units per hour and 377 pounds of sand shot per hour, with a fabric filter, and exhausting to stack My 2;

(3) Heat Treat Lines

(a) One (1) heat treat line BJ1, identified as EU5, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 280 steel CVJ units per hour, 0.15 gallons of paint per hour, and 0.10 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks BJ1IH, BJ1SPB, and BJ1CO;

(b) One (1) heat treat line BJ2, identified as EU6, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 300 steel CVJ units per hour, 0.16 gallons of paint per hour, and 0.11 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks BJ2IH, BJ2SPB, and BJ2CO;

(c) One (1) heat treat line TJ2, identified as EU7, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 150 steel CVJ units per hour, 0.08 gallons of paint per hour, and 0.05 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ2IH, TJ2SPB, and TJ2CO;

(d) One (1) heat treat line TJ3, identified as EU8, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 150 steel CVJ units per hour, 0.08 gallons of paint per hour, and 0.05 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ3IH, TJ3SPB, and TJ3CO;

(e) One (1) heat treat line TJ4, identified as EU9, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 270 steel CVJ units per hour, and 0.10 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks TJ4IH, and TJ4CO;

(f) One (1) heat treat line TJ6, identified as EU10, constructed in 2002, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, 0.14 gallons of paint per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ6IH, TJ6SPB, and TJ6CO;

(g) One (1) heat treat line HT21, identified as EU11, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT21IH, and HT21CO;

(h) One (1) heat treat line HT22, identified as EU12, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT22IH, and HT22CO;

(i) One (1) heat treat line HT23, identified as EU13, constructed in 1997, consisting of

induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 180 steel CVJ units per hour, 0.10 gallons of paint per hour, and 0.06 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks HT23IH, HT23SPB, and HT23CO;

(j) One (1) heat treat line HT24, identified as EU14, constructed in 1997, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, 0.12 gallons of paint per hour, and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks HT24IH, HT24SPB, and HT24CO;

(k) One (1) heat treat line HT25, identified as EU15, constructed in 2002, consisting of induction hardening, and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT25IH, and HT25CO;

(l) Fourteen (14) heat treat induction hardening lines, identified as HT26, BJ301 and TJ301, constructed in 2004, BJ303, TJ302, TJ304 and HTTJ1, constructed in 2005, BJ302, BJ304, TJ303, TJ305, TJ306 and LS1, constructed in 2006, BJ305, constructed in 2007, each with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(m) Two (2) prop shaft heat treat induction hardening lines HT35, identified as EU 41 and HT36, identified as EU 42 both constructed in 2004**,** each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT35IH and HT36IH;

(n) One (1) heat treat induction hardening lines HT401, identified as EU59, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(o) One (1) heat treat induction hardening lines HT402, identified as EU60, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(p) One (1) heat treat induction hardening lines HT403, identified as EU61, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(q) One (1) heat treat induction hardening lines HT404, identified as EU62, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT37IH through HT43IH.

(r) One (1) heat treat induction hardening lines HT405, identified as EU63, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(s) One (1) heat treat induction hardening lines HT406, identified as EU64, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(t) One (1) heat treat induction hardening lines HT407, identified as EU65, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(u) One (1) heat treat induction hardening line HT44, identified as EU72, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(v) One (1) heat treat induction hardening line HT45, identified as EU73, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(w) One (1) heat treat induction hardening line HT46, identified as EU74, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(x) One (1) heat treat induction hardening line HT47, identified as EU75, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(y) One (1) heat treat induction hardening line HT48, identified as EU76, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(z) One (1) heat treat induction hardening line HT49, identified as EU77, permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(4) Degreasers

(a) One (1) degreaser, identified as Degreaser 1 (D1), constructed in 1996, with a rated capacity of 9 gallons;

(b) One (1) degreaser, identified as Degreaser 2 (D2), constructed in 1996, with a rated capacity of 28 gallons;

(c) One (1) degreaser, identified as Degreaser 3 (D3), constructed in 1996, with a rated capacity of 9 gallons;

(d) One (1) degreaser, identified as Degreaser 4 (D4), constructed in 1996, with a rated capacity of 35 gallons;

(e) One (1) degreaser, identified as Degreaser 5 (D5), constructed in 1996, with a rated capacity of 35 gallons;

(f) One (1) degreaser, identified as Degreaser 6 (D6), constructed in 1996, with a rated capacity of 9 gallons;

(g) One (1) degreaser, identified as Degreaser 7 (D7), constructed in 1996, with a rated capacity of 28 gallons;

(h) One (1) degreaser, identified as Degreaser 8 (D8), constructed in 1996, with a rated capacity of 35 gallons;

(i) One (1) degreaser, identified as Degreaser 9 (D9), constructed in 1996, with a rated capacity of 35 gallons;

(j) One (1) degreaser, identified as Degreaser 10 (D10), constructed in 1996, with a rated capacity of 28 gallons;

(k) One (1) degreaser, identified as Degreaser 11 (D11), constructed in 1996, with a rated capacity of 35 gallons;

(l) One (1) degreaser, identified as Degreaser 12 (D12), constructed in 2005, with a rated capacity of 35 gallons;

(m) One (1) degreaser, identified as Degreaser 13 (D13), constructed in 2007, with a rated capacity of 84 gallons;

(n) One (1) degreaser, identified as Degreaser 14 (D14), constructed in 2004, with a rated capacity of 35 gallons;

(o) One (1) degreaser, identified as Degreaser 15 (D15), constructed in 2004, with a rated capacity of 35 gallons;

(p) One (1) degreaser, identified as Degreaser 16 (D16), constructed in 2005, with a rated capacity of 35 gallons;

(q) One (1) degreaser, identified as Degreaser 17 (D17), constructed in 2004, with a rated capacity of 35 gallons;

(r) One (1) degreaser, identified as Degreaser 18 (D18), constructed in 2007, with a rated capacity of 30 gallons;

(s) One (1) degreaser, identified as Degreaser 19 (D19), permitted in 2006, with a rated capacity of 35 gallons;

(t) One (1) quality assurance process, identified as QA process, with a rated capacity of 2.30 pounds of sulfuric acid per hour;

(u) One (1) degreaser, identified as Degreaser 20 (D20), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(v) One (1) degreaser, identified as Degreaser 21 (D21), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(w) One (1) degreaser, identified as Degreaser 22 (D22), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(x) One (1) degreaser, identified as Degreaser 23 (D23), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(y) One (1) degreaser, identified as Degreaser 24 (D24), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(z) One (1) degreaser, identified as Degreaser 25 (D25), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(aa) One (1) degreaser, identified as Degreaser 26 (D26), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(bb) One (1) degreaser, identified as Degreaser 27 (D27), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(cc) One (1) degreaser, identified as Degreaser 28 (D28), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(dd) One (1) degreaser, identified as Degreaser 29 (D29), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(ee) One (1) degreaser, identified as Degreaser 30 (D30), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(ff) One (1) degreaser, identified as Degreaser 31 (D31), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(5) Boilers

(a) One (1) natural gas-fired boiler, identified as Bonderizing Boiler (BB1), constructed in 1996, with a rated capacity of 4.2 million British thermal units per hour, and exhausting to stack SBB1;

(b) One (1) natural gas-fired boiler, identified as Parkerizing Boiler (PB1), constructed in 1996, with a rated capacity of 2.1 million British thermal units per hour, and exhausting to stack SPB1;

(c) One (1) natural gas-fired boiler, identified as Administration Bldg (ABB3), constructed in 1994, with a rated capacity of 1.2 million British thermal units per hour, and exhausting to stack SABB3;

(d) One (1) natural gas-fired boiler, identified as Administration Bldg (ABB4), constructed in 1994, with a rated capacity of 1.2 million British thermal units per hour, and exhausting to stack SABB4;

(e) One (1) natural gas-fired boiler, identified as Heat Treat Boiler TJ6 (HTBJ6), constructed in 2000, with a rated capacity of 0.48 million British thermal units per hour, and exhausting to stack SHTBJ6;

(f) One (1) natural gas-fired boiler, identified as Heat Treat Boiler HT23 (HTB23), constructed in 1997, with a rated capacity of 0.44 million British thermal units per hour, and exhausting to stack SHTB23;

(g) One (1) natural gas-fired boiler, identified as Heat Treat Boiler HT25 (HTB25), constructed in 2002, with a rated capacity of 0.2 million British thermal units per hour, and exhausting to stack SHTB25; and

(h) One (1) natural gas-fired boiler, identified as Bondering Boiler (BB2), constructed in 2004, with a maximum heat input capacity of 4.20 MMBtu per hour, and exhausting at stack SBB2.

A.4 Non-Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are not specifically regulated, as defined in 326 IAC 2-7-1(21):

(1) Natural gas-fired Combustion Units with heat input equal to or less than 10 MMBtu/hour

(a) Seventy-two (72) natural gas-fired space heaters, identified as UH1-72, with a combined rated maximum capacity of 7.71 million British thermal units per hour;

(b) Fifty-eight (58) natural gas-fired roof top air handlers, identified as RTAH1-58, with a

combined rated maximum capacity of 24.63 million British thermal units per hour (note: each unit has a maximum capacity less than 10 million British thermal units per hour);

(c) Thirteen (13) natural gas-fired air make-up units, identified as MAU1-13, with a combined rated maximum capacity of 23.15 million British thermal units per hour (note: each unit has a maximum capacity less than 10 million British thermal units per hour);

(d) Three (3) natural gas-fired HVAC units, identified as A/C1-3, with a combined rated maximum capacity of 1.68 million British thermal units per hour;

(e) Twenty-two (22) natural gas-fired miscellaneous units, identified as WH, with a combined rated maximum capacity of 4.15 million British thermal units per hour; and

(f) Natural gas-fired combustion units consisting of unit space heaters, roof top air handlers, and air make-up units, with a combined heat input capacity of 101 MMBtu per hour (note: each unit has a maximum capacity less than 10 million British thermal units per hour).

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4 (a)(1)(D)] [IC 13-15-3-6(a)]

(a) This permit, T005-20707-00066, 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 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.4 Enforceability [326 IAC 2-7-7]

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, OAQ, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(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. The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by

a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(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 Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(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 2-7-5(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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:

(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.

(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 or potential to emit. The PMPs do not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(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.11 Emergency Provisions [326 IAC 2-7-16]

(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.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a 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 Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
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 Branch, Office of Air Quality
100 North Senate Avenue
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 2-7-5(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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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 2-7-4(c)(9) 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 2-7 and any other applicable rules.

(g) 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 that the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit

under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.
This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T005-20707-00066 and issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

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 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. 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.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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 2-7-9(a)(3)]

(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 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(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 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

(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 2-7-4. 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 2-7 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 in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), 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 preconstruction approval required by 326 IAC 2-7-10.5 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 2-7-20(b), (c), or (e). 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 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
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 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
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 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) 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 2-7-10.5]

(a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]

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 Part 70 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 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 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 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 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within 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) Except as provided in 326 IAC 2-7-19(e), 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 2-7-5(3)][326 IAC 2-7-6][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 2-7-5(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 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of 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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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

C.6 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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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.8 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 2-7-5(1)] [326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, 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 Branch, Office of Air Quality
100 North Senate Avenue
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 the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

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

C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 2-7-5] [326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare and submit written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [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.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(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;
(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 maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) 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 the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

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

The emission statement does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

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

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present

or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) 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.19 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 the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description: Forging Presses, Shaft Line, and Parkerizing Line

(a) One (1) CVJ Forging Press #1, identified as EU1, constructed in 1996, with a rated capacity of 810 steel billets per hour and 2.27 gallons of graphite lubricant per hour, using an oil mist eliminator with steel mesh filters and water rinsing to control particulate emissions, and exhausting to stack F3;

(b) One (1) CVJ Forging Press #2, identified as EU2, constructed in 1996, with a rated capacity of 810 steel billets per hour and 2.27 gallons of graphite lubricant per hour, using a venturi scrubber with an oil mist elimination chamber to control particulate emissions, and exhausting to stack F4;

(c) One (1) Hub Forging Press #1, identified as EU4 (F1), constructed in 1996, with a rated capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist eliminator to control particulate emissions, and exhausting to stack F1;

(d) One (1) Parkerizing line, identified as EU23, constructed in 1996, with a rated capacity of 514 steel CVJ units per hour, 1.77 pounds per hour of Additive, 13.83 pounds per hour of Parco Cleaner, and 57.74 pounds per hour of Parco Lubrite, and exhausting to stack S2; and

(e) Three (3) CVJ forging presses #3, #4 and #5 identified as EU28, 29, and 30, constructed in 2004, 2005 and 2005, each with a maximum rated capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting at stacks F5, F6 and F7.

(f) Two (1) CVJ forging press #6, identified as EU70, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F8;

(g) Two (1) CVJ forging press #7, identified as EU71, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F9;

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.1.1 Particulate Emissions Limitations [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from these facilities shall not exceed the pounds per hour emission limitations when operating at the process weight rates shown below:

Units	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
CVJ Forging Press #1 (EU1)	3.44	9.38
CVJ Forging Press #2 (EU2)	3.44	9.38
Hub Forging Press #1 (EU4(F1)	3.15	8.84
Parkerizing Line (EU23)	2.18	6.92

Units	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
CVJ Forging Presses #3, #4, #5 (EU 28, 29, and 30)	5.1, each	12.2, each
CVJ Forging Press #6	5.1	12.2
CVJ Forging Press #7	5.1	12.2

Interpolation of the data for the process weight rate up to 60,000 pounds per hour was determined by use of the equation:

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

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Facility Description: Shot Blasters

(a) One (1) Hub shot blaster, identified as EU4 (F2), constructed in 1996, with a rated capacity of 1,200 steel CVJ units per hour and 60,847 pounds of steel shot per hour, with a fabric filter, and exhausting to stack F2;

(b) One (1) My shot blaster 1, identified as EU24, constructed in 1996, with a rated capacity of 120 steel CVJ units per hour and 462 pounds of sand shot per hour, with a fabric filter, and exhausting to stack My 1;

(c) One (1) My shot blaster 2, identified as EU25, constructed in 1996, with a rated capacity of 120 steel CVJ units per hour and 377 pounds of sand shot per hour, with a fabric filter, and exhausting to stack My 2;

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.2.1 PSD Minor Limit [326 IAC 2-2]

Pursuant to the Operating Permit No T005-20707-00066 and revised by this significant Source Modification SSM 005-25439-00066:

(1) The PM and PM_{10} emissions from the shotblasting operation, identified as EU4 (F2) shall not exceed 12.2 lb/hr.

(2) The PM and PM_{10} shotblasting operation identified as EU24 and EU25 shall not exceed 2.6 lb/hr, each.

Compliance with these PM and PM_{10} limits in combination with Conditions D.1.1 and D.3.1 and the potential PM and PM_{10} emissions from other emission units shall limit the source wide PM and PM_{10} emissions to less than 250 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-2 (PSD) not applicable to these emission units.

D.2.2 Particulate Emissions Limitations [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from each of the three (3) shot blasting units (identified as EU4(F2), EU24 and EU25 shall not exceed the pounds per hour emission limitations when operating at the process weight rates shown below:

Units	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
Hub Shot Blaster (EU4 (F2))	5.1	12.2
My Shot Blaster (EU24)	0.51	2.6
My Shot Blaster (EU25)	0.51	2.6

Interpolation of the data for the process weight rate up to 60,000 pounds per hour was determined by use of the equation:

$E = 4.10\ P^{0.67}$

Where:

E = rate of emission in pounds per hour; and

P = process weight rate in tons per hour

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

During the period between 30 and 36 months after issuance of this Part 70 permit, in order to demonstrate compliance with Condition D.2.1, the Permittee shall perform PM and PM-10 testing on one (1) of the three (3) shot blasting units (identified as EU4(F2), EU24 and EU25) utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

D.2.5 Particulate Control [326 IAC 2-7-6(6)]

(a) In order to comply with D.2.1 and D.2.2, the fabric filter control devices shall be in operation and control emissions from the shot blasters (EU4(F2), EU24, EU25) at all times that the associated activity is in operation.

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

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.6 Visible Emissions Notations [326 IAC 2-7-6]

(a) Visible emission notations from each stack exhaust for EU4(F2), EU24 and EU25 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.2.7 Parametric Monitoring

The Permittee shall monitor and record the pressure drop of the fabric filters associated with EU4(F2), EU24 and EU25 at least once per day when the associated process is in operation When for any one reading, the pressure drop across the scrubber is outside the normal range of 1.0 and 6.0 inches of water, or a range established during the latest stack test, the Permittee shall

take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mention range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instruments used for determining the pressure drop 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.

D.2.8 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.9 Record Keeping Requirements

(a) To document compliance with Condition D.2.6, the Permittee shall maintain records of visible emission notations of each stack exhaust for EU4 (F2), EU24 and EU25 once per day.

(b) To document compliance with Condition D.2.7, the Permittee shall maintain daily records of the pressure drop of the control devices associated with EU4(F2), EU24 and EU25 during normal operation.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3 FACILITY OPERATION CONDITIONS

Emission units with PM and PM10 emissions:

(a) One (1) Bonderizing line, identified as EU22, constructed in 1996, with a rated capacity of 11,340 pounds of steel CVJ units per hour, 4.06 pounds per hour of Formcoat 1B, 8.88 pounds per hour of Formcoat 1A, 4.92 pounds per hour of Freiclean 10M, and 2.48 pounds of sulfuric acid per hour, using an acid scrubber to control particulate emissions, and exhausting to stack Bonderizing; and

(b) One (1) Bonderizing line #2, identified as EU31, with a maximum rated capacity of 11,340 pounds of steel CVJ units per hour, 4.00 pounds per hour of Formcoat 1B, 8.94 pounds per hour of Formcoat 1A, 4.94 pounds per hour of Freiclean 10M, and 2.48 pounds of sulfuric acid per hour, using an acid scrubber as control and exhausting at stack Bonderizing #2.

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.3.1 Particulate Emissions Limitations [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from the Bonderizing Line (EU22 and EU31) operations associated with the heat treat lines shall not exceed the pounds per hour emission limitations when operating at the process weight rates shown below:

Units	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
Bonderizing Line (EU22)	5.67	13.11
Bonderizing Line (EU31)	5.67	13.11

Interpolation of the data for the process weight rate up to 60,000 pounds per hour was determined by use of the equation:

$E = 4.10\ P^{0.67}$

Where:

E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.3.2 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

A Preventative Maintenance Plan, in accordance with Section B – Preventative Maintenance Plan, of this permit, is required for this facility and its emission control devices.

Compliance Determination Requirements

D.3.3 Particulate Control

In order to comply with D.3.1(a), the acid scrubbers for particulate matter control shall be in operation and control emissions from each of EU22 and EU31 at all times that the associated processes are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.4 Visible Emissions Notations [326 IAC 2-7-6]

(a) Visible emission notations from each stack exhaust for EU22 and EU31 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.3.5 Parametric Monitoring

(a) The Permittee shall monitor and record the pressure drop, flow rate, and pH of scrubbers associated with EU22 and EU31, at least once per day when the associated process is in operation. When for any one reading, the pressure drop across the scrubber is outside the normal range of 1.0 and 6.0 inches of water, or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. When for any one reading, the flow rate of any of the scrubbers is less than the minimum of 20 gallons per minute, or a minimum established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. When for any one reading, the pH of the scrubbing liquid is outside the normal range of 6.0 and 9.0, or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading or pH that is outside the above mentioned range or a flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instruments used for determining the pressure drop, flow rate, and pH 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.

D.3.6 Scrubber Detection

In the event that a scrubber malfunction has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). 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 2-7-5(3)] [326 IAC 2-7-19]

D.3.7 Record Keeping Requirements

(a) To document compliance with Condition D.3.4, the Permittee shall maintain records of visible emission notations of each stack exhaust for EU22 and EU31 once per day.

(b) To document compliance with Condition D.3.5, the Permittee shall maintain daily records of pressure drop, flow rate and pH for scrubbers associated with EU22 and EU31 during normal operation.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

Facility Description: Shaft Line and Coating Lines
These emission units qualify as an insignificant activity pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

(a) One (1) shaft line, identified as EU16, constructed in 1996, with a rated capacity of 514 steel CVJ units per hour and 0.87 gallons of paint per hour, using dry filters to control particulate emissions, and exhausting to stack S4;

(b) One (1) shaft line convection oven, identified as shaft line electric convection oven, constructed in 1996, with a rated capacity of 480 steel CVJ units per hour, and exhausting to stack S5; and

(c) Six (6) rust preventive coating lines, identified as RP#1, constructed in 2004, PR#2, constructed in 2005, PR#3 constructed in 2004 and PR#4 through 6, permitted in 2006 (identified as EU54, 55, 56, 57, 58 and EU66), each with a maximum rated capacity of 180 steel CVJ units per hour.

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.4.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the Permittee shall not allow the discharge of VOC into the atmosphere from the shaft line (EU16) and six (6) rust preventive coating lines RP#1 through 6 (identified as EU54, 55, 56, 57, 58 and EU66) in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.

D.4.2 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9(f) (Miscellaneous Metal Coating Operations), all solvents sprayed from the shaft line (EU16) and six (6) rust preventive coating lines RP#1 through 6 (identified as EU54, 55, 56, 57, 58 and EU66) application equipment during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.4.3 Preventative Maintenance Plan [326 IAC 2-7-5(13)]

A Preventative Maintenance Plan, in accordance with Section B – Preventative Maintenance Plan, of this permit, is required for this facility and its emission control devices.

Compliance Determination Requirements

D.4.4 Particulate Control [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), the dry filters for particulate control shall be in operation to control emissions from the shaft line (EU16) at all times when this facility is in operation.

D.4.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2]

Compliance with the VOC content limit in Condition D.4.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3)(A) using formulation data supplied by the coating manufacturer. However, IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.6 Parametric Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating stack (S4) for EU16 while the production lines are in operation. If a condition exists which should result in a response step, 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.

(b) Monthly inspections shall be performed of the coating emissions from the stack S4 and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or evidence of overspray emissions is 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.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-7-6(1) to (6)]

D.4.7 Record Keeping Requirements

(a) To document compliance with Conditions D.4.1 and D.4.5, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.4.1.

(1) The VOC content of each coating material and solvent used less water.

(2) The amount of coating material and solvent used on monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvent.

(b) To document compliance with Conditions D.4.4 and D.4.6, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description: Heat Treat Lines, and QA Process
These are insignificant emission units pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

(a) One (1) heat treat line BJ1, identified as EU5, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 280 steel CVJ units per hour, 0.15 gallons of paint per hour, and 0.10 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks BJ1IH, BJ1SPB, and BJ1CO;

(b) One (1) heat treat line BJ2, identified as EU6, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 300 steel CVJ units per hour, 0.16 gallons of paint per hour, and 0.11 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks BJ2IH, BJ2SPB, and BJ2CO;

(c) One (1) heat treat line TJ2, identified as EU7, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 150 steel CVJ units per hour, 0.08 gallons of paint per hour, and 0.05 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ2IH, TJ2SPB, and TJ2CO;

(d) One (1) heat treat line TJ3, identified as EU8, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 150 steel CVJ units per hour, 0.08 gallons of paint per hour, and 0.05 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ3IH, TJ3SPB, and TJ3CO;

(e) One (1) heat treat line TJ4, identified as EU9, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 270 steel CVJ units per hour, and 0.10 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks TJ4IH, and TJ4CO;

(f) One (1) heat treat line TJ6, identified as EU10, constructed in 2002, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, 0.14 gallons of paint per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ6IH, TJ6SPB, and TJ6CO;

(g) One (1) heat treat line HT21, identified as EU11, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT21IH, and HT21CO;

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

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description: Heat Treat Lines
These are insignificant emission units pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

(a) One (1) heat treat line BJ1, identified as EU5, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 280 steel CVJ units per hour, 0.15 gallons of paint per hour, and 0.10 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks BJ1IH, BJ1SPB, and BJ1CO;

(b) One (1) heat treat line BJ2, identified as EU6, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 300 steel CVJ units per hour, 0.16 gallons of paint per hour, and 0.11 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks BJ2IH, BJ2SPB, and BJ2CO;

(c) One (1) heat treat line TJ2, identified as EU7, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, all with a rated capacity of 150 steel CVJ units per hour, 0.08 gallons of paint per hour, and 0.05 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ2IH, TJ2SPB, and TJ2CO;

(d) One (1) heat treat line TJ3, identified as EU8, constructed in 1996, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 150 steel CVJ units per hour, 0.08 gallons of paint per hour, and 0.05 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ3IH, TJ3SPB, and TJ3CO;

(e) One (1) heat treat line TJ4, identified as EU9, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 270 steel CVJ units per hour, and 0.10 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks TJ4IH, and TJ4CO;

(f) One (1) heat treat line TJ6, identified as EU10, constructed in 2002, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, 0.14 gallons of paint per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks TJ6IH, TJ6SPB, and TJ6CO;

(g) One (1) heat treat line HT21, identified as EU11, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT21IH, and HT21CO;

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

SECTION D.5 FACILITY OPERATION CONDITIONS (Continued)

Facility Description: Heat Treat Lines
These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

(h) One (1) heat treat line HT22, identified as EU12, constructed in 1997, consisting of induction hardening, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT22IH and HT22CO;

(i) One (1) heat treat line HT23, identified as EU13, constructed in 1997, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 180 steel CVJ units per hour, 0.10 gallons of paint per hour, and 0.06 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks HT23IH, HT23SPB, and HT23CO;

(j) One (1) heat treat line HT24, identified as EU14, constructed in 1997, consisting of induction hardening, a spray paint booth, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, 0.12 gallons of paint per hour, and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and dry filters to control particulate emissions from the spray paint booth, and exhausting to stacks HT24IH, HT24SPB, and HT24CO;

(k) One (1) heat treat line HT25, identified as EU15, constructed in 2002, consisting of induction hardening, and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening and exhausting to stacks HT25IH and HT25CO;

(l) Fourteen (14) heat treat induction hardening lines, identified as HT26, BJ301 and TJ301, constructed in 2004, BJ303, TJ302, TJ304 and HTTJ1, constructed in 2005, BJ302, BJ304, TJ303, TJ305, TJ306 and LS1, constructed in 2006, BJ305, constructed in 2007, each with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(m) Two (2) prop shaft heat treat induction hardening lines HT35, identified as EU 41 and HT36, identified as EU 42 both constructed in 2004 each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT35IH and HT36IH; and

(n) One (1) heat treat induction hardening lines HT401, identified as EU59, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(o) One (1) heat treat induction hardening lines HT402, identified as EU60, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(p) One (1) heat treat induction hardening lines HT403, identified as EU61, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

Facility Description: Heat Treat Lines
These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

(q) One (1) heat treat induction hardening lines HT404, identified as EU62, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT37IH through HT43IH.

(r) One (1) heat treat induction hardening lines HT405, identified as EU63, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(s) One (1) heat treat induction hardening lines HT406, identified as EU64, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(t) One (1) heat treat induction hardening lines HT407, identified as EU65, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.5.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the Permittee shall not allow the discharge of VOC into the atmosphere from surface coating equipment associated with BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), HT23 (EU13), and HT24 (EU14) in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.

D.5.2 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9(f) (Miscellaneous Metal Coating Operations), all solvents sprayed from surface coating equipment associated with BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), HT23 (EU13), and HT24 (EU14), application equipment during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.5.3 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 these facilities and their control device.

Compliance Determination Requirements

D.5.4 Particulate Control [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), the dry filters for particulate control shall be in operation to control emissions from BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), HT23 (EU13), and HT24 (EU14) at all times when these facilities are in operation.

D.5.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with VOC content limits contained in Condition D.5.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the “as supplied” and “as applied” VOC data sheets. IDEM, OAQ reserves the authority

to determine compliance using Method 24 in conjunction with the analytical procedures in 326 IAC 8-1-4. IDEM OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.5.6 Monitoring of Dry Filters

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the dry filter control devices. To monitor the performance of each dry filter, weekly observations shall be made of the overspray from the exhaust stacks associated with the dry filter control devices while one or more of the surface coating processes BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), HT23 (EU13), and HT24 (EU14) are in operation. If a condition exists which should result in a response step, 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.

(b) Monthly inspections shall be performed of the surface coating emissions from the stacks (BJ1SPB, BJ2SPB, TJ2SPB, TJ3SPB, TJ6SPB, HT23SPB, and HT24SPB) and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.5.7 Record Keeping Requirements

(a) To document compliance with Conditions D.5.1 and D.5.5, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.5.1.

(1) The VOC content of each coating material and solvent used less water.

(2) The amount of coating material and solvent used on monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvent.

(b) To document compliance with Conditions D.5.4 and D.5.6, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description: Degreasers

These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(G)(vi)(CC) and 326 IAC 2-7-1(21)(G)(vi)(DD). Degreasing operations shall not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6:

(a) One (1) degreaser, identified as Degreaser 1 (D1), constructed in 1996, with a rated capacity of 9 gallons;

(b) One (1) degreaser, identified as Degreaser 2 (D2), constructed in 1996, with a rated capacity of 28 gallons;

(c) One (1) degreaser, identified as Degreaser 3 (D3), constructed in 1996, with a rated capacity of 9 gallons;

(d) One (1) degreaser, identified as Degreaser 4 (D4), constructed in 1996, with a rated capacity of 35 gallons;

(e) One (1) degreaser, identified as Degreaser 5 (D5), constructed in 1996, with a rated capacity of 35 gallons;

(f) One (1) degreaser, identified as Degreaser 6 (D6), constructed in 1996, with a rated capacity of 9 gallons;

(g) One (1) degreaser, identified as Degreaser 7 (D7), constructed in 1996, with a rated capacity of 28 gallons;

(h) One (1) degreaser, identified as Degreaser 8 (D8), constructed in 1996, with a rated capacity of 35 gallons;

(i) One (1) degreaser, identified as Degreaser 9 (D9), constructed in 1996, with a rated capacity of 35 gallons;

(j) One (1) degreaser, identified as Degreaser 10 (D10), constructed in 1996, with a rated capacity of 28 gallons;

(k) One (1) degreaser, identified as Degreaser 11 (D11), constructed in 1996, with a rated capacity of 35 gallons;

(l) One (1) degreaser, identified as Degreaser 12 (D12), constructed in 2005, with a rated capacity of 35 gallons;

(m) One (1) degreaser, identified as Degreaser 13 (D13), constructed in 2007, with a rated capacity of 84 gallons;

(n) One (1) degreaser, identified as Degreaser 14 (D14), constructed in 2004, with a rated capacity of 35 gallons;

(o) One (1) degreaser, identified as Degreaser 15 (D15), constructed in 2004, with a rated capacity of 35 gallons;

(p) One (1) degreaser, identified as Degreaser 16 (D16), constructed in 2005, with a rated capacity of 35 gallons;

Facility Description: Degreasers

These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(G)(vi)(CC) and 326 IAC 2-7-1(21)(G)(vi)(DD). Degreasing operations shall not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6:

(q) One (1) degreaser, identified as Degreaser 17 (D17), constructed in 2004, with a rated capacity of 35 gallons;

(r) One (1) degreaser, identified as Degreaser 18 (D18), constructed in 2007, with a rated capacity of 30 gallons;

(s) One (1) degreaser, identified as Degreaser 19 (D19), permitted in 2006, with a rated capacity of 35 gallons;

(t) One (1) degreaser, identified as Degreaser 20 (D20), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(u) One (1) degreaser, identified as Degreaser 21 (D21), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(v) One (1) degreaser, identified as Degreaser 22 (D22), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(w) One (1) degreaser, identified as Degreaser 23 (D23), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(x) One (1) degreaser, identified as Degreaser 24 (D24), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(y) One (1) degreaser, identified as Degreaser 25 (D25), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(z) One (1) degreaser, identified as Degreaser 26 (D26), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(aa) One (1) degreaser, identified as Degreaser 27 (D27), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(bb) One (1) degreaser, identified as Degreaser 28 (D28), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(cc) One (1) degreaser, identified as Degreaser 29 (D29), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(dd) One (1) degreaser, identified as Degreaser 30 (D30), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(ee) One (1) degreaser, identified as Degreaser 31 (D31), permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.6.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.6.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kilopascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38 ^{O}C) (one hundred degrees Fahrenheit (100 ^{O}F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kilopascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38 ^{O}C) (one hundred degrees Fahrenheit (100 ^{O}F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kilopascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38 ^{O}C) (one hundred degrees Fahrenheit (100 ^{O}F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9 ^{O}C) (one hundred twenty degrees Fahrenheit (120 ^{O}F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description: Boilers

These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(G)(i)(AA)(aa) natural gas-fired combustion units with heat input equal to or less than ten million Btu per hour:

(a) One (1) natural gas-fired boiler, identified as Bonderizing Boiler (BB1), constructed in 1996, with a rated capacity of 4.2 million British thermal units per hour, and exhausting to stack SBB1;

(b) One (1) natural gas-fired boiler, identified as Parkerizing Boiler (PB1), constructed in 1996, with a rated capacity of 2.1 million British thermal units per hour, and exhausting to stack SPB1;

(c) One (1) natural gas-fired boiler, identified as Administration Bldg (ABB3), constructed in 1994, with a rated capacity of 1.2 million British thermal units per hour, and exhausting to stack SABB3;

(d) One (1) natural gas-fired boiler, identified as Administration Bldg (ABB4), constructed in 1994, with a rated capacity of 1.2 million British thermal units per hour, and exhausting to stack SABB4;

(e) One (1) natural gas-fired boiler, identified as Heat Treat Boiler TJ6 (HTBJ6), constructed in 2000, with a rated capacity of 0.48 million British thermal units per hour, and exhausting to stack SHTBJ6;

(f) One (1) natural gas-fired boiler, identified as Heat Treat Boiler HT23 (HTB23), constructed in 1997, with a rated capacity of 0.44 million British thermal units per hour, and exhausting to stack SHTB23;

(g) One (1) natural gas-fired boiler, identified as Heat Treat Boiler HT25 (HTB25), constructed in 2002, with a rated capacity of 0.2 million British thermal units per hour, and exhausting to stack SHTB25; and

(h) One (1) natural gas-fired boiler, identified as Bondering Boiler (BB2), constructed in 2004, with a maximum heat input capacity of 4.20 MMBtu per hour, and exhausting at stack SBB2.

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.7.1 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the particulate emissions from the following units shall be limited as follows:

Installation Date	Individual Rated Capacity (MMBtu/hour)	Boiler	Emission Limitation (lb/MMBtu)
1994	1.2	ABB3	0.60
1994	1.2	ABB4	0.60
1996	4.2	BB1	0.60

Installation Date	Individual Rated Capacity (MMBtu/hour)	Boiler	Emission Limitation (lb/MMBtu)
1996	2.1	PB1	0.60
1997	0.44	HTB23	0.60
2002	0.48	HTBJ6	0.60
2002	0.2	HTB25	0.60
2004	4.2	BB2	0.55

The limitation for each boiler is lesser of 0.6 lb/MMBtu and the limit calculated using the equation below:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where Pt = pounds of particulate matter emitted per million Btu heat input (lb/MMBtu)
Q = Total source maximum operating capacity rating (MMBtu/hr).

For Q less than 10 MMBtu/hour, Pt shall not exceed 0.60 lb/MMBtu. For Q greater than or equal to 10,000 MMBtu/hour, Pt shall not exceed 0.10 lb/MMBtu.

Compliance Determination Requirements

D.7.2 Natural Gas

In order to demonstrate compliance with D.7.1, the source shall burn only natural gas in the emission units ABB3, ABB4, BB1, PB1, HTB23, HTBJ6, HTB25, and BB2.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

There are no compliance monitoring requirements.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.7.3 Reporting Requirements

A semi-annual natural gas fired combustion unit certification shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description: Natural gas-fired Combustion Units with heat input equal to or less than 10 MMBtu/hour

These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(G)(i)(AA)(aa) natural gas-fired combustion units with heat input equal to or less than ten million Btu per hour:

(a) Seventy-two (72) natural gas-fired space heaters, identified as UH1-72, with a combined rated maximum capacity of 7.71 million British thermal units per hour;

(b) Fifty-eight (58) natural gas-fired roof top air handlers, identified as RTAH1-58, with a combined rated maximum capacity of 24.63 million British thermal units per hour (note: each unit has a maximum capacity less than 10 million British thermal units per hour);

(c) Thirteen (13) natural gas-fired air make-up units, identified as MAU1-13, with a combined rated maximum capacity of 23.15 million British thermal units per hour (note: each unit has a maximum capacity less than 10 million British thermal units per hour);

(d) Three (3) natural gas-fired HVAC units, identified as A/C1-3, with a combined rated maximum capacity of 1.68 million British thermal units per hour;

(e) Twenty-two (22) natural gas-fired miscellaneous units, identified as WH, with a combined rated maximum capacity of 4.15 million British thermal units per hour; and

(f) Natural gas-fired combustion units consisting of unit space heaters, roof top air handlers, and air make-up units, with a combined heat input capacity of 101 MMBtu per hour (note: each unit has a maximum capacity less than 10 million British thermal units per hour).

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

There are no specifically applicable regulations that apply to these emission units.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: NTN Driveshaft, Inc.
Source Address: 8251 South International Drive, Columbus, Indiana 47201
Mailing Address: 8251 South International Drive, Columbus, Indiana 47201
Part 70 Permit No.: T005-20707-00066

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:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: NTN Driveshaft, Inc.
Source Address: 8251 South International Drive, Columbus, Indiana 47201
Mailing Address: 8251 South International Drive, Columbus, Indiana 47201
Part 70 Permit No.: T005-20707-00066

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

X 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

X 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
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:

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Operating Permit
Semi-Annual Natural Gas Fired Facility Certification

Source Name:	NTN Driveshaft, Inc.
Source Address:	8251 South International Drive, Columbus, Indiana 47201
Mailing Address:	8251 South International Drive, Columbus, Indiana 47201
Part 70 Permit No.:	T005-20707-00066
Facility:	All fossil-fuel fired boilers and combustion units (ABB3, ABB4, BB1, PB1, HTB23, HTBJ6, HTB25 and BB2)

☐ Natural Gas Only
☐ Alternate Fuel burned
From: _____ To: _____ Emission Unit: _____

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:
Telephone: Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: NTN Driveshaft, Inc.
Source Address: 8251 South International Drive, Columbus, Indiana 47201
Mailing Address: 8251 South International Drive, Columbus, Indiana 47201
Part 70 Permit No.: T005-20707-00066

Months: _____ to _____ Year: _

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, 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".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ 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:

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 **Significant Source Modification and Significant Permit Modification.**

Source Description and Location

Source Name:	NTN Driveshaft, Inc.
Source Location:	8251 S. International Dr., Columbus, IN 47201
County:	Bartholomew
SIC Code:	3714 and 3568
Operation Permit No.:	T 005-20707-00066
Operation Permit Issuance Date:	October 18, 2006
Significant Source Modification No.:	005-25439-00066
Significant Permit Modification No.:	005-25467-00066
Permit Reviewer:	Josiah Balogun

Existing Approvals

The source was issued Part 70 Operating Permit No T 005-20707-00066 on October 18, 2006.

County Attainment Status

The source is located in Bartholomew County.

Pollutant	Status
PM10	attainment
PM2.5	attainment
SO_2	attainment
NO_2	attainment
8-hour Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Bartholomew County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Bartholomew County has been classified as attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions.

(c) Bartholomew County has been classified as attainment or unclassifiable for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Source Status

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) The existing source is not a major source of HAPs, as defined in 40 CFR 63.41 because HAPs emissions are less than ten (10) tons per year for single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the clean Air Act (CAA).

(c) These emissions are based upon Part 70 Operating Permit Renewal T005-20707-00066, issued on October 18, 2006.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2005 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	NA*
PM_{10}	12
SO_2	0
VOC	26
CO	2
NO_x	3
Pb	0.00

NA* No data is available

Description of (Proposed Modification or New Source Construction)

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by NTN Driveshaft, Inc. on October 23, 2007, relating to construction of two (2) forge presses, six (6) heat treat lines and twelve (12) degreasers at the source located at 8251 S. International drive, Columbus, Indiana 47201. The source will construct two (2) oil mist elimination chambers as control for particulate emissions from the two CVJ forge presses.

The following is a list of the proposed emission units and pollution control devices:

(a) One (1) CVJ forging press #6, identified as EU70, Permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack

F8;

(b) One (1) CVJ forging press #7, identified as EU71, Permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F9;

(c) One (1) heat treat induction hardening line HT44, identified as EU72, Permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(d) One (1) heat treat induction hardening line HT45, identified as EU73, Permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(e) One (1) heat treat induction hardening line HT46, identified as EU74, Permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(f) One (1) heat treat induction hardening line HT47, identified as EU75, Permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(g) One (1) heat treat induction hardening line HT48, identified as EU76, Permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(h) One (1) heat treat induction hardening line HT49, identified as EU77, Permitted in 2008, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

(i) One (1) degreaser, identified as Degreaser 20 (D20), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(j) One (1) degreaser, identified as Degreaser 21 (D21), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(k) One (1) degreaser, identified as Degreaser 22 (D22), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(l) One (1) degreaser, identified as Degreaser 23 (D23), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(m) One (1) degreaser, identified as Degreaser 24 (D24), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(n) One (1) degreaser, identified as Degreaser 25 (D25), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(o) One (1) degreaser, identified as Degreaser 26 (D26), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(p) One (1) degreaser, identified as Degreaser 27 (D27), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(q) One (1) degreaser, identified as Degreaser 28 (D28), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(r) One (1) degreaser, identified as Degreaser 29 (D29), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(s) One (1) degreaser, identified as Degreaser 30 (D30), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

(t) One (1) degreaser, identified as Degreaser 31 (D31), Permitted in 2008, with a rated capacity of 84 gallons per year and VOC content of 6.8 pounds per gallon;

Enforcement Issues

There are no pending enforcement actions related to this modification.

Stack Summary

Stack ID	Operation	Height (ft)	Diameter (ft)	Flow Rate (acfm)	Temperature (^oF)
F8	V	35	2.83 x 5.00	8,582	90
F9	V	35	2.83 x 5.00	8,582	90

Emission Calculations

See Appendix A of this document for detailed emission calculations (1 through to 6).

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency."

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	35.66
PM10	35.66
SO_2	0
VOC	44.0
CO	0
NO_x	0

This source modification is subject to 326 IAC 2-7-10.5(f). The PM and PM_{10} emission limits for the shotblasting operation are being revised which results in relaxation of the PM and PM_{10} emission limits. Additionally, the modification will be incorporated into the Part 70 Operation Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d) because this permit modification requires a case-by-case determination of emission limits.

Permit Level Determination – PSD

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 source and permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential to Emit (tons/year)						
Process/Emission Unit	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAP**
CVJ Forge Press # 6	15.7	15.7	0	20.1	0	0	0
CVJ Forge Press # 7	15.7	15.7	0	20.1	0	0	0
HT # 44 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT # 45 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT # 46 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT # 47 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT # 48 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT # 49 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
Twelve (12) Degreasers	0	0	0	3.43	0	0	0
Total emissions from Modification	35.66	35.66	0	44.00	0	0	0
Total Emission before modification	210.4	210.4	0.463	122.8	64.8	77.2	Single less than 10 and Total less than 25
Total Emissions after modification	246.1	246.1	0.463	166.8	64.8	77.2	Single less than 10 and Total less than 25
Major Source Threshold	250	250	250	250	250	250	

Note: All new Forge presses, Induction hardening and Degreaser's PTE in the table are based on uncontrolled emissions.

This modification to an existing minor stationary source is not major because the sourcewide emissions of all regulated pollutants are less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

(b) The degreasers are not subject to the requirements of 40 CFR Part 63, Subpart T (National Emission Standards for Halogenated Solvent Cleaning) because the total source potential to emit of a single and any combination of HAPs are less than ten (10) and less than

twenty-five (25) tons per year, respectively, making it an area source of HAPs.

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

All of the emission units have the potential to emit of regulated pollutants (uncontrolled) less than the major source thresholds.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 (PSD)
The Permittee requested to limit the source wide PM/PM10 emissions to less than 250 tons/year. Therefore, the PSD minor limit will be revised to include emissions from the proposed new units. After the addition of new units the source will retain the minor source status for PSD. The federally enforceable PM and PM_{10} limits for shotblasting operation are established by this permit because previous limits for shotblasting operation were not based on the true process weight rate.

(1) The PM and PM_{10} emissions from the shotblasting operation, identified as EU4 (F2) shall not exceed 12.2 lbs/hr.

(2) The PM and PM_{10} emissions of the shotblasting operation, identified as EU24 and EU25 shall not exceed 2.6 lbs/hr, each.

Compliance with these PM and PM_{10} limits in combination with potential PM and PM_{10} emissions from other emission units shall limit the source wide PM and PM_{10} emissions to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable to the source.

326 IAC 1-7 (Stack Height)
Pursuant to 326 IAC 1-7, the stack height provisions apply for an exhaust stack that has a potential to emit of twenty-five (25) tons per year or more of PM or SO_2. Several stacks qualify for the PTE of PM greater than twenty-five (25) tons per year; however, the actual PM emissions for 2005 are less than twenty-five (25) tons per year and hence the stacks are exempt from the requirements of 326 IAC 1-7-5.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The two (2) forge presses, six (6) heat treat induction hardening lines and twelve (12) degreasers will emit less than ten (10) tons per year for a single HAP and less than twenty five (25) tons per year for a combination of HAPs. Therefore, the requiremnets of 326 IAC 2-4.1 are not applicable to these emission units.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate matter (PM) emission rate from the two (2) CVJ forge presses shall not exceed 12.2 pounds per hour, each, when operating at a process weight rate of 5.1 tons per hour, each. 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 was determined by use of the equation:

$$E = 4.10\ P^{0.67}$$

Where:
E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate matter (PM) emission rate from the three (3) shotblasting operation shall not exceed pounds per hour when operating at a process weight rate shown below:

Units	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
Hub Shot Blaster (EU4 (F2))	5.1	12.2
My Shot Blaster (EU24)	0.51	2.6
My Shot Blaster (EU25)	0.51	2.6

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

$$E = 4.10\ P^{0.67}$$

Where:
E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

326 IAC 8-1-6 (New Facilities; General reduction Requirements)
The uncontrolled VOC emissions from the two (2) forge presses, six (6) heat treat lines and the twelve (12) degreasers are less than 25 tons per year, each. Therefore, the requirements of 326 IAC 8-1-6 are not applicable to these emission units

326 IAC 8-3-2 (Cold Cleaner Operation)
Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operation), for cold cleaning facilities constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a emissions unit for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a matter that greater than twenty percent (20%) of the waste solvent

(by weight) can evaporate into the atmosphere.

362 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated

(2) Equip the degreaser with a emissions unit for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage emissions unit must be internal such that articles are enclosed under the cover while draining. The drainage emissions unit may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{O}C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the

waste solvent by weight could evaporate.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No.T005-20707-00066. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Change 1 IDEM has determined that it is not necessary to include the name or title of the responsible official in Section A.1 of the permit.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary source that manufactures driveshaft parts and related components.

~~Responsible Official: Vice President, Human Resources~~

.....

Change 2 In Section A.3(1)(c), the rust preventative coating lines descriptions were updated to include the construction dates. The heat treat lines, identified as HT 22 and HT 25 in Section A.3(3) no longer utilize spray paint booths, therefore all references to the spray paint booths, gallons of paint utilized per hour, dry filters and stack IDs have been revised. The QA process was removed from A.3(3) to A.3(4). Dates of construction were added to the 14 heat treat induction hardening lines. The stacks of the 14 heat treat induction hardening lines were deleted as they are venting inside the building. The construction dates for the prop shaft heat treat induction hardening lines have been revised. In Section A.3(4), the degreaser descriptions were revised to include new identification number and construction dates.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

.....

(c) Six (6) rust preventive coating lines, **identified as** RP#1, **constructed in 2004, PR#2,**

constructed in 2005, PR#3 constructed in 2004 and PR#4 through 6**, permitted in 2006** (identified as EU54, 55, 56, 57, 58 and EU66), each with a maximum rated capacity of 180 steel CVJ units per hour.

(3) Heat Treat Lines ~~and QA Process~~

.....

(h) One (1) heat treat line HT22, identified as EU12, constructed in 1997, consisting of induction hardening, ~~a spray paint booth~~, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, ~~0.12 gallons of paint per hour,~~ and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening ~~and dry filters to control particulate emissions from the spray paint booth,~~ and exhausting to stacks HT22IH, ~~HT22SPB,~~ and HT22CO;

.....

(k) One (1) heat treat line HT25, identified as EU15, constructed in 2002, consisting of induction hardening, ~~a spray paint booth,~~ and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, ~~0.14 gallons of paint per hour,~~ and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening ~~and dry filters to control particulate emissions from the spray paint booth,~~ and exhausting to stacks HT25IH, ~~HT25SPB,~~ and HT25CO;

~~(l) One (1) quality assurance process, identified as QA process, with a rated capacity of 2.30 pounds of sulfuric acid per hour;~~

~~(m) Fourteen (14) heat treat induction hardening lines HT26, BJ301, BJ302, BJ303, BJ304, BJ305, TJ301, TJ302, TJ303, TJ304, TJ305, TJ306, LS1 and HTTJ1, each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT26, BJ301, BJ302, BJ303, BJ304, BJ305, TJ301, TJ302, TJ303, TJ304, TJ305, TJ306, LS1 and HTTJ1;~~

(l) Fourteen (14) heat treat induction hardening lines, identified as HT26, BJ301 and TJ301, constructed in 2004, BJ303, TJ302, TJ304 and HTTJ1, constructed in 2005, BJ302, BJ304, TJ303, TJ305, TJ306 and LS1, constructed in 2006, BJ305, constructed in 2007, each with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building;

~~(n)~~**(m)** Two (2) prop shaft heat treat induction hardening lines HT35, **identified as EU 41** and HT36, **identified as EU 42 both constructed in 2004,** ~~(identified as EU41 and EU42)~~, each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT35IH and HT36IH;

~~(o) Seven (7) heat treat induction hardening lines HT37 through HT43 (identified as EU59, EU60, EU61, EU62, EU63, EU64, and EU65), each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT37IH through HT43IH.~~

(n) One (1) heat treat induction hardening lines HT401, identified as EU59, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(o) One (1) heat treat induction hardening lines HT402, identified as EU60, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of

quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(p) One (1) heat treat induction hardening lines HT403, identified as EU61, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(q) One (1) heat treat induction hardening lines HT404, identified as EU62, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT37IH through HT43IH.

(r) One (1) heat treat induction hardening lines HT405, identified as EU63, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(s) One (1) heat treat induction hardening lines HT406, identified as EU64, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(t) One (1) heat treat induction hardening lines HT407, identified as EU65, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(4) Degreasers

(a) One (1) degreaser, identified as Degreaser 1 **(D1),** ~~- Heat Treat South (EU17),~~ constructed in 1996, with a rated capacity of 9 gallons;

(b) One (1) degreaser, identified as Degreaser 2 **(D2),** ~~- Heat Treat North (EU18),~~ constructed in 1996, with a rated capacity of **28** ~~9~~ gallons;

(c) One (1) degreaser, identified as Degreaser 3 **(D3),** ~~- Maintenance (EU19),~~ constructed in 1996, with a rated capacity of **9** ~~26~~ gallons;

(d) One (1) degreaser, identified as Degreaser 4 **(D4),** ~~- Turnings North (EU20),~~ constructed in 1996, with a rated capacity of **35** ~~26~~ gallons;

(e) One (1) degreaser, identified as Degreaser 5 **(D5),** ~~- Assembly South (EU21),~~ constructed in 1996, with a rated capacity of **35** ~~26~~ gallons;

(f) One (1) degreaser, identified as Degreaser 6 **(D6),** ~~- Turnings South (EU22),~~ constructed in 1996, with a rated capacity of **9** ~~26~~ gallons;

(g) One (1) degreaser, identified as Degreaser 7 **(D7),** ~~- Shaft Line Maintenance (EU23),~~ constructed in 1996, with a rated capacity of **28** ~~34~~ gallons;

(h) One (1) degreaser, identified as Degreaser 8 **(D8),** ~~(EU24),~~ constructed in 1996, with a rated capacity of 35 gallons;

(i) One (1) degreaser, identified as Degreaser 9 **(D9),** ~~- Forktruck Maintenance (EU25),~~ constructed in 1996, with a rated capacity of **35** ~~34~~ gallons;

(j) One (1) degreaser, identified as Degreaser 10 **(D10),** ~~- Plant Maintenance (EU26),~~ constructed in 1996, with a rated capacity of **28** ~~34~~ gallons;

(k) One (1) degreaser, identified as Degreaser 11 **(D11),** ~~- Die Shop (EU27),~~ constructed in 1996, with a rated capacity of **35** ~~17~~ gallons;

(l) One (1) degreaser, identified as **Degreaser 12 (D12), constructed in 2005,** ~~cold parts washer DG#12 (EU43),~~ with a ~~maximum~~ rated capacity of **35** ~~nine (9)~~ gallons;

(m) One (1) degreaser, identified as **Degreaser 13 (D13), constructed in 2007,** ~~cold parts washer DG#13 (EU44),~~ with a ~~maximum~~ rated capacity of **84** ~~nine (9)~~ gallons;

(n) One (1) degreaser, identified as **Degreaser 14 (D14), constructed in 2004,** ~~cold parts washer DG#14 (EU45),~~ with a ~~maximum~~ rated capacity of **35** ~~nine (9)~~ gallons;

(o) One (1) **degreaser, identified as degreaser 15 (D15), constructed in 2004,** ~~cold parts washer DG#15 (EU46)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons;

(p) One (1) **degreaser, identified as degreaser 16 (D16), constructed in 2005,** ~~cold parts washer DG#16 (EU47)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons;

(q) One (1) **degreaser, identified as degreaser 17 (D17), constructed in 2004,** ~~cold parts washer DG#17 (EU48)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons;

(r) One (1) **degreaser, identified as degreaser 18 (D18), constructed in 2007,** ~~cold parts washer DG#18 (EU49)~~, with a ~~maximum~~ rated capacity of **30** ~~twenty-six (26)~~ gallons; and

(s) One (1) **degreaser, identified as degreaser 19 (D19), permitted in 2006** ~~cold parts washer DG#19 (EU50)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons.

(t) One (1) quality assurance process, identified as QA process, with a rated capacity of 2.30 pounds of sulfuric acid per hour.

Change 3 Two (2) insignificant electric tempering ovens and multiple turning lines were added to the source, since these units have zero emissions they were added to the source under trivial activity.

Trivial Activity

(a) Two (2) insignificant electric tempering ovens;

(b) Multiple turning lines used to shave the process parts. These turning operations are completely enclosed and utilize a non-VOC and non-HAP containing coolant during the shaving process.

Change 4 IDEM has determined that the Permittee is required to prepare and maintain Preventive Maintenance Plan (PMP) within ninety (90) days of issuance of their Title V Permit. However, IDEM, OAQ has provided circumstance beyond the Permittee's control which would not allow the PMP to be prepared and maintained in this timeframe. Therefore, IDEM has deleted part of Condition B.10 and updated paragraph (a) of Condition B.10 – Preventive Maintenance.

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(a) ~~If required by specific condition(s) in Section D of this permit~~, ~~the~~ The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, ~~including the following information on each facility:~~ **for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:**

.....

~~If due to circumstances beyond the Permittee's control, the PMPs can not 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 Branch, Office of Air Quality~~
~~100 North Senate Avenue~~
~~Indianapolis, Indiana 46204-2251~~

~~The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

.....

Change 5 Condition C.3 Open Burning condition has been modified since this requirement is now federally enforceable and is included in Indiana's State Implementation Plan (SIP).

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. ~~326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.~~

Change 6 The Permittee submitted an Emergency Reduction Plan on June 19, 1998. Therefore, the Emergency Reduction Plan has been revised as follows:

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare **and submit** written emergency reduction plans (ERPs) consistent with safe operating procedures on June 19, 1998.

~~(b) These ERPs shall be submitted for approval to:~~

~~Indiana Department of Environmental Management~~
~~Compliance Branch, Office of Air Quality~~
~~100 North Senate Avenue~~
~~Indianapolis, Indiana 46204-2251~~

~~within ninety (90) days after the date of issuance of this permit.~~

~~The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

~~(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.~~

~~(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.~~

~~(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.~~

~~(f)~~**(b)** Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

Change 7 The first paragraph was deleted because it is meant for initial TV and not for TV renewal. Therefore, the paragraph has been deleted from the permit accordingly.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

.....

(e) ~~The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.~~ 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.

Change 8 The two (2) forge presses have been added to Section D.1. Pursuant to 326 IAC 6-3-2 the allowable emission limits for the forge presses have been revised based on its true process weight rates. The compliance determination and monitoring requirements have been deleted from the permit because the uncontrolled emissions are less than the allowable emissions from 362 IAC 6-3-2. The record keeping and reporting requirement have been deleted from the permit since there is no limit in Section D.1 that requires reporting.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description: Forging Presses, Shaft line and Parkerizing Line

.....

(f) Two (1) CVJ forging press #6, identified as EU70, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F8; and

(g) Two (1) CVJ forging press #7, identified as EU71, permitted in 2008, with a maximum capacity of 1,200 steel billets per hour and 3.84 gallons of graphite lubricant per hour, using an oil mist elimination chamber as control, and exhausting through stack F9.

(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

D.1.1 Particulate Emissions Limitations for Manufacturing Processes [326 IAC 6-3-2]

~~(a)~~ Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), **the allowable** particulate emissions from these facilities shall not exceed the ~~listed~~ pounds per hour emission limitations when operating at the process weight rates ~~listed~~ **shown** below:

Units	~~Process Weight Rate (lb/hr)~~	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
CVJ Forging Press #1 (EU1)	~~6885~~	3.44	9.38
CVJ Forging Press #2 (EU2)	~~6885~~	3.44	9.38
Hub Forging Press #1 (EU4(F1)	~~6300~~	3.15	8.84
Parkerizing Line (EU23)	~~4,369~~	2.18	6.92
~~Each of the three (3)~~ CVJ Forging Presses #3, #4, #5 (EU 28, 29, and 30)	~~10,200~~	5.1, each	12.2, each
CVJ Forging Press #6	**-**	**5.1**	**12.2**
CVJ Forging Press #7	**-**	**5.1**	**12.2**

~~These limits were calculated using the following equations:~~

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

$$E = 4.10\ P^{0.67}$$

Where:

E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

D.1.2 Preventive Maintenance Plan ~~[326 IAC 1-6-3]~~ **[326 IAC 2-7-5(13)]**

A Preventative Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan of this permit, is required for these facilities and their control devices.

~~**Compliance Determination Requirements**~~

~~D.1.3 Particulate Control~~

~~Inorder to comply with Condition D.1.1, the control devices for particulate matter control shall be in operation at all times when the eight (8) forging presses, identified as EU1, EU2, EU4 (F1), EU28, EU29, EU30, EU70 and EU71 are in operation.~~

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

~~D.1.4 Visible Emissions Notations [326 IAC 2-7-6]~~

~~(a) Visible emission notations of the eight (8) forge presses and the parkerizing line stack exhaust (stack S2, F3, F4, F1, F5, F6, F7, F8 and F9) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.~~

~~(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.~~

~~(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~

~~(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~

~~(e) If abnormal emissions are observed, the Permittee shall take reasonable response 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.1.5 Parametric Monitoring~~

~~The Permittee shall record the pressure drop and flow rate for the scrubber associated with EU2 for particulate matter control, at least once per day when the unit is in operation. When for any one reading, the pressure drop across the scrubber is outside the normal range of 1.0 and 6.0 inches of water, or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. When for any one reading, the flow rate of the scrubber is less than the minimum of 20 gallons per minute, or a minimum established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mention range or a flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.~~

~~The instrument used for determining the pressure drop and flow rate 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.~~

~~D.1.6 Scrubber Detection~~

~~In the event that a scrubber malfunction has been observed:~~

~~Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). 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 Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]~~

~~D.1.7 Record Keeping Requirements~~

~~(a) To document compliance with Condition D.1.4, the Permittee shall maintain daily records of the visible emission notations of the eight (8) forge presses and the parkerizing line stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation, (e.g. the process did not operate that day).~~

~~(b) To document compliance with Condition D.1.5, the Permittee shall maintain daily records of pressure drop and flow rate for the scrubber associated with EU2 during normal operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (e.g. the process did not operate that day).~~

~~(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

~~D.1.8 Reporting Requirements~~

~~A quarterly summary of exceedances 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 quarterly period being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

Change 9 The PSD minor limits and 326 IAC 6-3-2 limits for the three (3) shotblasters have been revised based on the true process weight rates.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description: Shot Blasters

(a) One (1) Hub shot blaster, identified as EU4 (F2), constructed in 1996, with a rated capacity of 1,200 steel CVJ units per hour and 60,847 pounds of steel shot per hour, with a fabric filter, and exhausting to stack F2;

(b) One (1) My shot blaster 1, identified as EU24, constructed in 1996, with a rated capacity of 120 steel CVJ units per hour and 462 pounds of sand shot per hour, with a fabric filter, and exhausting to stack My 1;

(c) One (1) My shot blaster 2, identified as EU25, constructed in 1996, with a rated capacity of 120 steel CVJ units per hour and 377 pounds of sand shot per hour, with a fabric filter, and exhausting to stack My 2;

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

Emission Limitations and Standards (326 IAC 2-7-5(1))

D.2.1 PSD Minor Limit [326 IAC 2-2]

~~The PM and PM10 emissions from the shotblasting operations EU4(F2), EU24, and EU25 shall not exceed 1.0 grain per dry standard cubic feet (dscf) at the exhaust of the control device, with maximum exhaust flow rates limited to 1500 dscf/minute for EU4(F2) and 706 dscf/minute for EU24 and EU25 each. Compliance with these PM and PM10 emissions limits from the shotblasting units, in conjunction with the total potential to emit of PM and PM10 from the rest of the source, shall ensure that the source-wide PM and PM10 emissions are less than 250 tons per twelve consecutive month period, rendering the requirements of 326 IAC 2-2 not applicable.~~

Pursuant to the Operating Permit No T005-20707-00066 and revised by Significant Source Modification 005-25439-00066:

(1) The PM and PM_{10} emissions from the shotblasting operation, identified as EU4 (F2) shall not exceed 12.2 lb/hr.

(2) The shotblasting operation identified as EU24 and EU25 shall not exceed 2.6 lb/hr, each.

Compliance with these PM and PM_{10} limits in combination with Conditions D.1.1 and D.3.1 and the potential PM and PM_{10} emissions from other emission units shall limit the source wide PM and PM_{10} emissions to less than 250 tons per twelve (12) consecutive month period and render the requirements of 326 IAC 2-2 (PSD) not applicable to the source.

D.2.2 Particulate Emissions Limitations [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), **the allowable** particulate emissions from each of the three (3) shot blasting units (identified as EU4(F2), EU24 and EU25 shall not exceed the ~~listed~~ pounds per hour emission limitations when operating at the process weight rates ~~listed~~ **shown** below:

Units	~~Process Weight Rate (lb/hr)~~	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
Hub Shot Blaster (EU4 (F2))	~~60,847~~	~~30.4~~ **5.1**	~~40.1~~ **12.2**
My Shot Blaster (EU24)	~~460~~	~~0.23~~ **0.51**	~~1.53~~ **2.6**
My Shot Blaster (EU25)	~~377~~	~~0.19~~ **0.51**	~~1.34~~ **2.6**

Interpolation of the data for the process weight rate up to 60,000 pounds per hour ~~shall be accomplished~~ **was determined** by use of the equation:

$E = 4.10\ P^{0.67}$ where:

E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

~~Interpolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:~~

~~$E = 55.0\ P^{0.11} - 40$~~

~~where:~~

~~E = rate of emission in pounds per hour; and~~
~~P = process weight rate in tons per hour~~

Change 10 The reporting requirement has been deleted from the permit because the PSD limit does not need any reporting.

~~D.2.10 Reporting Requirements~~

~~A quarterly summary of exceedances 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 quarterly period being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

Change 11 The table in Condition D.3.1 has been revised to remove the process weight rate in pounds per hour.

D.3.1 Particulate Emissions Limitations [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), **the allowable** particulate emissions from the Bonderizing Line (EU22 and EU31) operations associated with the heat treat lines shall not exceed the ~~listed~~ pounds per hour emission limitations when operating at the process weight rates ~~listed~~ **shown** below:

Stack ID (Facility)	~~Process Weight Rate (lb/hr)~~	Process Weight Rate (tons/hr)	Particulate Emission Limit (lb/hr)
Bonderizing Line (EU22)	~~11,340~~	5.67	13.11
Bonderizing Line (EU31)	~~11,340~~	5.67	13.11

~~These pounds per hour limitations were calculated with the following equation:~~

Interpolation of the data for the process weight rate up to 60,000 pounds per hour ~~shall be accomplished~~ **was determined** by use of the equation:

.....

Change 12 Section D.3 does not need a reporting requirement because it has no limit that requires the condition.

~~D.3.8 Reporting Requirements~~

~~A quarterly summary of exceedances 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 quarterly period being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

Change 13 The rust preventative coating lines description has revised to include year of construction and the reporting requirement in Condition D.4.8 has been deleted because it is not required.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description: Shaft Line and Coating Lines
These emission units qualify as an insignificant activity pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

.....

(c) Six (6) rust preventative coating lines, **identified as** RP#1, **constructed in 2004, PR#2, constructed in 2005, PR#3 constructed in 2004 and PR#4** through 6 **permitted in 2006** (identified as EU54, 55, 56, 57, 58 and EU66), each with a maximum rated capacity of 180 steel CVJ units per hour.

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

.....

~~D.4.8 Reporting Requirements~~

~~A quarterly summary of exceedances 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 quarterly period being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

Change 14 The facility description in Section D.5 has been revised. HT22 and HT25 no longer utilize spray paint booths and all references to the spray paint booths have been deleted. The 14 heat treat induction hardening lines have been updated to include there date of construction. The prop shaft heat treat induction hardening lines has been updated to include the date of constructions. And seven (7) heat treat lines have been seperated to include there date of constructions.

SECTION D.5 FACILITY OPERATION CONDITIONS (Continued)

Facility Description: Heat Treat Lines, ~~and QA Process~~
These are insignificant emission units pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

.....

(h) One (1) heat treat line HT22, identified as EU12, constructed in 1997, consisting of induction hardening, ~~a spray paint booth~~, and an electric convection oven, with a rated capacity of 225 steel CVJ units per hour, ~~0.12 gallons of paint per hour,~~ and 0.08 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening ~~and dry filters to control particulate emissions from the spray paint booth,~~ and exhausting to stacks HT22IH, ~~HT22SPB,~~ and HT22CO;

.....

(k) One (1) heat treat line HT25, identified as EU15, constructed in 2002, consisting of induction hardening, ~~a spray paint booth,~~ and an electric convection oven, with a rated capacity of 257 steel CVJ units per hour, ~~0.14 gallons of paint per hour,~~ and 0.09 gallons of quenchant per hour, using an oil mist collector to control particulate emissions from induction hardening ~~and dry filters to control particulate emissions from the spray paint booth,~~ and exhausting to stacks HT25IH, ~~HT25SPB,~~ and HT25CO;

(l) Fourteen (14) heat treat induction hardening lines, identified as HT26, BJ301 and TJ301, constructed in 2004, BJ303, TJ302, TJ304 and HTTJ1, constructed in 2005, BJ302, BJ304, TJ303, TJ305, TJ306 and LS1, constructed in 2006, BJ305, constructed in 2007, each with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT26, BJ301, BJ302, BJ303, BJ304, BJ305, TJ301, TJ302, TJ303, TJ304, TJ305, TJ306, LS1 and HTTJ1;

~~(n)~~**(m)** Two (2) prop shaft heat treat induction hardening lines HT35, **identified as EU 41** and HT36, **identified as EU 42 both constructed in 2004** ~~(identified as EU41 and EU42)~~, each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT35IH and HT36IH; and

~~(o) Seven (7) heat treat induction hardening lines HT37 through HT43 (identified as EU59, EU60, EU61, EU62, EU63, EU64, and EU65), each with a maximum rated capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT37IH through HT43IH.~~

(n) One (1) heat treat induction hardening lines HT401, identified as EU59, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(o) One (1) heat treat induction hardening lines HT402, identified as EU60, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(p) One (1) heat treat induction hardening lines HT403, identified as EU61, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

Facility Description: Heat Treat Lines ~~, and QA Process~~
These are insignificant emission units pursuant to 326 IAC 2-7-1(21)(A)(iv) and 326 IAC 2-7-1(21)(B):

(q) One (1) heat treat induction hardening lines HT404, identified as EU62, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting at stacks HT37IH through HT43IH.

(r) One (1) heat treat induction hardening lines HT405, identified as EU63, constructed in 2007, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(s) One (1) heat treat induction hardening lines HT406, identified as EU64, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(t) One (1) heat treat induction hardening lines HT407, identified as EU65, Permitted in 2006, with a maximum capacity of 257 steel CVJ units per hour, and 0.09 gallons of quenchant per hour, using an oil mist collector as control and exhausting inside the building.

(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 2-7-5(1))

D.5.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the Permittee shall not allow the discharge of VOC into the atmosphere from surface coating equipment associated with BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), ~~HT22 (EU12)~~, HT23 (EU13), **and** HT24 (EU14), ~~and HT25 (EU15)~~ in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.

D.5.2 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9(f) (Miscellaneous Metal Coating Operations), all solvents sprayed from surface coating equipment associated with BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), ~~HT22 (EU12),~~ HT23 (EU13), **and** HT24 (EU14), ~~and HT25 (EU15)~~ application equipment during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

.....

Compliance Determination Requirements

D.5.4 Particulate Control [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), the dry filters for particulate control shall be in operation to control emissions from BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), ~~HT22 (EU12)~~, HT23 (EU13), **and** HT24 (EU14), ~~and HT25 (EU15)~~ at all times when these facilities are in operation.

.....

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.5.6 Monitoring of Dry Filters

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the dry filter control devices. To monitor the performance of each dry filter, weekly observations shall be made of the overspray from the exhaust stacks associated with the dry filter control devices while one or more of the surface coating processes BJ1(EU5), BJ2 (EU6), TJ2 (EU7), TJ3 (EU8), TJ6 (EU10), ~~HT22 (EU12)~~, HT23 (EU13), **and** HT24 (EU14), ~~and HT25 (EU15)~~ are in operation. If a condition exists which should result in a response step, 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.

(b) Monthly inspections shall be performed of the surface coating emissions from the stacks (BJ1SPB, BJ2SPB, TJ2SPB, TJ3SPB, TJ6SPB, ~~HT22SPB,~~ HT23SPB, **and** HT24SPB ~~and HT25SPB~~) and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.

.....

Change 15 The facility description in Section D.6 has been revised. The identification number of all the degreasers has changed and the dates of construction has included for some of the degreasers.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description: Degreasers

These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(G)(vi)(CC) and 326 IAC 2-7-1(21)(G)(vi)(DD). Degreasing operations shall not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6:

(a) One (1) degreaser, identified as Degreaser 1 **(D1),** ~~- Heat Treat South (EU17),~~ constructed in 1996, with a rated capacity of 9 gallons;

(b) One (1) degreaser, identified as Degreaser 2 **(D2),** ~~- Heat Treat North (EU18),~~ constructed in 1996, with a rated capacity of **28** ~~9~~ gallons;

(c) One (1) degreaser, identified as Degreaser 3 **(D3),** ~~- Maintenance (EU19),~~ constructed in 1996, with a rated capacity of **9** ~~26~~ gallons;

(d) One (1) degreaser, identified as Degreaser 4 **(D4),** ~~- Turnings North (EU20),~~ constructed in 1996, with a rated capacity of **35** ~~26~~ gallons;

(e) One (1) degreaser, identified as Degreaser 5 **(D5),** ~~- Assembly South (EU21),~~ constructed in 1996, with a rated capacity of **35** ~~26~~ gallons;

(f) One (1) degreaser, identified as Degreaser 6 **(D6),** ~~- Turnings South (EU22),~~ constructed in 1996, with a rated capacity of **9** ~~26~~ gallons;

Facility Description: Degreasers

These emission units qualify as an insignificant pursuant to 326 IAC 2-7-1(21)(G)(vi)(CC) and 326 IAC 2-7-1(21)(G)(vi)(DD). Degreasing operations shall not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6:

(g) One (1) degreaser, identified as Degreaser 7 **(D7),** ~~- Shaft Line Maintenance (EU23),~~ constructed in 1996, with a rated capacity of **28** ~~34~~ gallons;

(h) One (1) degreaser, identified as Degreaser 8 **(D8),** ~~(EU24),~~ constructed in 1996, with a rated capacity of 35 gallons;

(i) One (1) degreaser, identified as Degreaser 9 **(D9),** ~~- Forktruck Maintenance (EU25),~~ constructed in 1996, with a rated capacity of **35** ~~34~~ gallons;

(j) One (1) degreaser, identified as Degreaser 10 **(D10),** ~~- Plant Maintenance (EU26),~~ constructed in 1996, with a rated capacity of **28** ~~34~~ gallons;

(k) One (1) degreaser, identified as Degreaser 11 **(D11),** ~~- Die Shop (EU27),~~ constructed in 1996, with a rated capacity of **35** ~~17~~ gallons;

(l) One (1) degreaser, identified as **Degreaser 12 (D12), constructed in 2005,** ~~cold parts washer DG#12 (EU43),~~ with a ~~maximum~~ rated capacity of **35** ~~nine (9)~~ gallons;

(m) One (1) degreaser, identified as **Degreaser 13 (D13), constructed in 2007,** ~~cold parts washer DG#13 (EU44),~~ with a ~~maximum~~ rated capacity of **84** ~~nine (9)~~ gallons;

(n) One (1) degreaser, identified as **Degreaser 14 (D14), constructed in 2004,** ~~cold parts washer DG#14 (EU45),~~ with a ~~maximum~~ rated capacity of **35** ~~nine (9)~~ gallons;

(o) One (1) **degreaser, identified as degreaser 15 (D15), constructed in 2004,** ~~cold parts washer DG#15 (EU46)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons;

(p) One (1) **degreaser, identified as degreaser 16 (D16), constructed in 2005,** ~~cold parts washer DG#16 (EU47)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons;

(q) One (1) **degreaser, identified as degreaser 17 (D17), constructed in 2004,** ~~cold parts washer DG#17 (EU48)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons;

(r) One (1) **degreaser, identified as degreaser 18 (D18), constructed in 2007,** ~~cold parts washer DG#18 (EU49)~~, with a ~~maximum~~ rated capacity of **30** ~~twenty-six (26)~~ gallons; and

(s) One (1) **degreaser, identified as degreaser 19 (D19), permitted in 2006,** ~~cold parts washer DG#19 (EU50)~~, with a ~~maximum~~ rated capacity of **35** ~~twenty-six (26)~~ gallons.

.....

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

.....

Conclusion and Recommendation

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 005-25439-00066 and Minor Permit Modification No. 005-25467-00066. The staff recommends to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

Appendix A: Emissions Calculations
Emission Summary Sheet

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-07

Uncontrolled Potential Emissions (tons/year)							
	PM (tons/yr)	**PM_{10} (tons/yr)**	**SO_2 (tons/yr)**	**VOC (tons/yr)**	**CO (tons/yr)**	**NOx (tons/yr)**	**HAPs (tons/yr)**
Emission Units							
CVJ Forge Press #6	15.7	15.7	0	20.1	0	0	0
CVJ Forge Press #7	15.7	15.7	0	20.1	0	0	0
HT#44 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#45 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#46 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#47 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#48 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#49 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
Twelve (12) Degreasers	0	0	0	3.43	0	0	0
Total Emissions	35.66	35.66	0	44.00	0	0	0

Appendix A: Emissions Calculations
Emission Summary Sheet

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-07

Limited Potential Emissions (tons/year)							
	PM (tons/yr)	**PM_{10} (tons/yr)**	**SO_2 (tons/yr)**	**VOC (tons/yr)**	**CO (tons/yr)**	**NOx (tons/yr)**	**HAPs (tons/yr)**
Emission Units							
CVJ Forge Press #6	15.7	15.7	0	20.1	0	0	0
CVJ Forge Press #7	15.7	15.7	0	20.1	0	0	0
HT#44 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#45 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#46 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#47 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#48 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
HT#49 Induction Hardening	0.71	0.71	0	0.0613	0	0	0
Twelve (12) Degreasers	0	0	0	3.43	0	0	0
Total Emissions	35.66	35.66	0	44.00	0	0	0

Appendix A: Emissions Calculations
Emission Summary Sheet

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-07

Controlled Potential Emissions (tons/year)							
	PM (tons/yr)	**PM_{10} (tons/yr)**	**SO_2 (tons/yr)**	**VOC (tons/yr)**	**CO (tons/yr)**	**NOx (tons/yr)**	**HAPs (tons/yr)**
Emission Units							
CVJ Forge Press #6	0.79	0.79	0	20.1	0	0	0
CVJ Forge Press #7	0.79	0.79	0	20.1	0	0	0
HT#44 Induction Hardening	0.0071	0.0071	0	0.0613	0	0	0
HT#45 Induction Hardening	0.0071	0.0071	0	0.0613	0	0	0
HT#46 Induction Hardening	0.0071	0.0071	0	0.0613	0	0	0
HT#47 Induction Hardening	0.0071	0.0071	0	0.0613	0	0	0
HT#48 Induction Hardening	0.0071	0.0071	0	0.0613	0	0	0
HT#49 Induction Hardening	0.0071	0.0071	0	0.0613	0	0	0
Twelve (12) Degreasers	0	0	0	3.43	0	0	0
Total Emissions	1.62	1.62	0	44.00	0	0	0

Appendix A: Emissions Calculations
Forging Press Emissions

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-2007

Potential To Emit of PM and PM10

Unit ID	Emission Unit	Unit Capacity (parts/hour)	Max. Usage Rate (gal/part)	Density (lb/gal)	% Solids	Dispersion (%)	Uncontrolled PM/PM10 (lb/hour)	Uncontrolled PM/PM10 (tons/year)	Control Efficiency	Controlled PM/PM10 (tons/year)
EU70	CVJ Forging Press #6	1200	0.0032	8.59	23%	47%	3.59	15.7	95%	0.79
EU71	CVJ Forging Press #7	1200	0.0032	8.59	23%	47%	3.58	15.7	95%	0.78
Total								**31.4**		**1.57**

Assume all PM emissions are equal to PM10

METHODOLOGY
Uncontrolled PM/PM10 (lbs/hour) = Unit Capacity (parts/hour) * Max Usage Rate (gal/part) * Density (lb/gal) * Weight % Solids * % Dispersion
Uncontrolled PM/PM10 (tons/year) = Unit Capacity (parts/hour) * Max Usage Rate (gal/part) * Density (lb/gal) * Weight % Solids * % Dispersion * 8760 hours/year *1ton/2000 lbs
Controlled PM/PM10 (tons/year) = Uncontrolled PM/PM10 (tons/year) * (1-Control Efficiency %)

Potential To Emit VOC

Unit ID	Emission Unit	Unit Capacity (parts/hour)	Gallons of Coating per Part	Pounds VOC per Gallon	VOC Released (%)	Uncontrolled VOC (lb/hour)	Uncontrolled VOC (tons/year)
EU70	CVJ Forging Press #6	1200	0.0032	1.19	100%	4.59	20.1
EU71	CVJ Forging Press #7	1200	0.0032	1.19	100%	4.59	20.1
Total						9.2	40.2

METHODOLOGY
Uncontrolled VOC (lb/hour) = Unit Capacity (parts/hour) * Gal of Coating per Part * Pounds VOC per Gallon * VOC released %
Uncontrolled VOC (tons/year) = Unit Capacity (parts/hour) * Gal of Coating per Part * Pounds VOC per Gallon * VOC released % * 8760 hours/year * 1 ton/2000 lbs

Appendix A: Emissions Calculations
PM/PM10 Emissions From
Induction Hardening Emissions

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-07

Total Quenchant Used

50,038 pounds of quenchant used in 2001
8,947 pounds of quenchange for make-up in 2001
58,985 total pounds of quenchant used in 2001
7,240 hours of operation in 2001
71,369 maximum pounds quenchant used if operated 8,760 hours per year

Quenchant Properties

1.095 specific gravity of quenchant
9.12 density (lb/gal)
0.45 water content of quenchant
0.61 solids content of quenchant
0.08 pounds VOC per gallon of quenchant

Quenchant Disposed Of

5,200 gallons of quenchant disposed of in 2001
7,240 hours of operation in 2001
6,292 maximum gallons quenchant disposed of if operated 8,760 hours per year
57,380 pounds of quenchant disposed of

Mass Balance Calculations for Heat Treat Lines

71,369 pounds of quenchant used
57,380 pounds of quenchant disposed of
13,988 total pounds of quenchant unaccounted for
6.99 total tons of quenchant unaccounted for per year

Potential To Emit PM/PM10

Unit ID	Emission Units	Unit Capacity (parts/hour)	Solids Content of Quenchant (%)	Total Tons of Quenchant Unaccounted for Per Year	Uncontrolled PM/PM10 (tons/year)	Control Efficiency %	Controlled PM/PM10 (tons/year)
EU72	HT#44 Induction Hardening	257	0.61	6.99	0.71	99%	0.0071
EU73	HT#45 Induction Hardening	257	0.61	6.99	0.71	99%	0.0071
EU74	HT#46 Induction Hardening	257	0.61	6.99	0.71	99%	0.0071
EU75	HT#47 Induction Hardening	257	0.61	6.99	0.71	99%	0.0071
EU76	HT#48 Induction Hardening	257	0.61	6.99	0.71	99%	0.0071
EU77	HT#49 Induction Hardening	257	0.61	6.99	0.71	99%	0.0071
Total		1542			**4.27**		**0.043**

Assume all PM emissions are equal to PM10
Control = Oil Mist Collectors

METHODOLOGY

Uncontrolled PM/PM10 (tons/year) = Unit Capacity (parts/hour) * Solids Content of Quenchant % * Tons Quenchant Unaccounted For * 1/ Total Parts/hour
Controlled PM/PM10 (tons/year) = Uncontrolled PTE of PM/PM10 (tons/year) * (1- Control Efficiency %)

Appendix A: Emissions Calculations
VOC Emissions From
Induction Hardening Emissions

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-07

Potential To Emit VOC

Unit ID	Emission Unit	Unit Capacity (parts/hour)	Pounds VOC Per Gallon of Quenchant	Total Tons of Quenchant Unaccounted for Per Year	Density (lb/gal)	PTE of VOC (tons/year)
EU72	HT#44 Induction Hardening	257	0.08	6.99	9.12	0.0613
EU73	HT#45 Induction Hardening	257	0.08	6.99	9.12	0.0613
EU74	HT#46 Induction Hardening	257	0.08	6.99	9.12	0.0613
EU75	HT#47 Induction Hardening	257	0.08	6.99	9.12	0.0613
EU76	HT#48 Induction Hardening	257	0.08	6.99	9.12	0.0613
EU77	HT#49 Induction Hardening	257	0.08	6.99	9.12	0.0613
Total		1542		**41.9**		**0.368**

METHODOLOGY

PTE of VOC (tons/year) = Pounds VOC Per Gallon of Quenchant * Total Tons of Quenchant Unaccounted for Per Year* 2000lb/tons * 1/ Density (lb/gal) * 1tons/2000lb

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number : SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-2007

Revised 326 IAC 2-2 (PSD) Calculation for the Shotblasting operation

The PSD minor limit was revised because the process weight rate used for the three (3) shotblasting was incorrect. The process weight rate for the shot blasting, identified as EU4 (F2) is 5.1 tons/hr based on the 1200 steel CVJ units/hr at the rate of 8.5 lbs/steel CVJ units

$E = 4.10\ P^{0.67}$

Hub Shotblasting, identified as EU4 (F2) with a process weight rate of 5.1tons/hr

$E = 4.1 \times 5.1^{0.67}$
$= 12.2$ lb/hr

The process weight rate for the shot blasting, identified as EU24 is 0.51 tons/hr based on the 120 steel CVJ units/hr at the rate of 8.5 lbs/steel CVJ units

$E = 4.1 \times 0.51^{0.67}$
$= 2.6$ lb/hr

The process weight rate for the shot blasting, identified as EU25 (F2) is 0.51 tons/hr based on the 120 steel CVJ units/hr at the rate of 8.5 lbs/steel CVJ units

$E = 4.1 \times 0.51^{0.67}$
$= 2.6$ lb/hr

Total Emission for the three (3) Shotblasting operation:
= (12.2 + 2.6 + 2.6) lbs/hr
= 17.4 lbs/hr

Total emission in tons/yr: 17.4 x 8760hr/yr x 1ton/2000 lb = 76.2 tons/yr

Appendix A: Emissions Calculations
Degreasers

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number : SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-2007

Unit ID	Emission Unit (Degreasers)	Max. Rated Capacity of resevoir (gal/yr)	VOC Content (lbs VOC/gal)	Uncontrolled VOC (tons/yr)
D20	Degreaser # 20	84	6.80	0.29
D21	Degreaser # 21	84	6.80	0.29
D22	Degreaser # 22	84	6.80	0.29
D23	Degreaser # 23	84	6.80	0.29
D24	Degreaser # 24	84	6.80	0.29
D25	Degreaser # 25	84	6.80	0.29
D26	Degreaser # 26	84	6.80	0.29
D27	Degreaser # 27	84	6.80	0.29
D28	Degreaser # 28	84	6.80	0.29
D29	Degreaser # 29	84	6.80	0.29
D30	Degreaser # 30	84	6.80	0.29
D31	Degreaser # 31	84	6.80	0.29
Total Emissions				3.43

METHODOLOGY
Uncontrolled VOC (tons/year) = Max. Rated Capacity of Resevior (gal/year) * Pounds VOC per Gallon * 1 ton/2000 lbs

Appendix A: Maximum Limited Emissions Calculations
Summary

Company Name: NTN Driveshaft, Inc.
Address: 8251 South International Drive, Columbus, Indiana 47201
Permit Number: SSM005-25439-00066
Reviewer: Josiah Balogun
Date: 24-Oct-2007

Emission Units	PM	PM10	SO_2	NO_x	VOC	CO	Hexane	Formaldehyde	Chromium	Nickel	Phosphorus	Manganese	Hydrofluoric Acid	Glycol Ether	Total HAPs
Combustion Units	5.40	5.40	0.426	71.0	3.90	59.6	1.28E+00	5.32E-02	9.94E-04	1.49E-03	NA	2.70E-04	NA	NA	1.340
Boiler	0.47	0.47	0.037	6.18	0.34	5.19	1.11E-01	4.63E-03	8.65E-05	1.30E-04	NA	2.35E-05	NA	NA	0.117
CVJ Forging Press #1	15.7	15.7	NA	NA	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CVJ Forging Press #2	15.7	15.7	NA	NA	9.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hub Forging Press #1	15.6	15.6	NA	NA	20.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CVJ Forging Press #3	15.7	15.7	NA	NA	20.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CVJ Forging Press #4	15.7	15.7	NA	NA	20.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CVJ Forging Press #5	15.7	15.7	NA	NA	20.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Induction Hardening	4.12	4.12	NA	NA	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bonderizing	8.91	8.91	NA	NA	1.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Degreasers	NA	NA	NA	NA	1.07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Shot Blasting	76.27	76.27	NA	NA	NA	NA	NA	NA	2.733	4.100	0.0383	2.186	NA	NA	0.000
QA Process	0.50	0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Parkerizing Line EU23	9.70	9.70	NA	NA	NA	NA	NA	NA	NA	0.076	NA	3.02	NA	NA	3.10
Painting Operations	10.88	10.88	NA	NA	11.22	NA	NA	NA	NA	NA	NA	NA	NA	6.96	6.964
Rust Prev Lines	NA	NA	NA	NA	4.68	NA	NA	NA	NA	NA	NA	NA	0.0034	0.195	0.199
Total before Modification	**210.4**	**210.4**	**0.463**	**77.2**	**122.8**	**64.8**	**1.39**	**0.058**	**2.734**	**4.177**	**0.0383**	**5.21**	**0.0034**	**7.159**	**11.72**
Two (2) CVJ Forge presses #6 and #7	31.4	31.4	0	0	40.2	0	0	0	0	0	0	0	0	0	0
Six (6) Induction Hardening	4.26	4.26	0	0	0.368	0	0	0	0	0	0	0	0	0	0
Twelve (12) Degreasers	0	0	0	0	3.43	0	0	0	0	0	0	0	0	0	0
Total After Modification	**246.1**	**246.1**	**0.463**	**77.2**	**166.8**	**64.8**	**1.4**	**0.1**	**2.7**	**4.2**	**0.0**	**5.2**	**0.0**	**7.2**	**11.7**

Note: All new Forge presses, Induction hardening and Degreaser's PTE are based on uncontrolled emissions.