141-48012-00172

AI ID: 11850

Honeywell

Honeywell Aerospace
3520 Westmoor Street
South Bend, IN 46628-1373
574-231-2000
Fax 574-231-2020

Received
State of Indiana
JUN 27 2024
Dept of Environmental Mgmt
Office of Air Quality

TC-2

June 20, 2024

Ms. Jenny Acker
Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
Mail Code 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Re: Administrative Amendment Application
Honeywell International, Inc.
South Bend, Indiana
Source Identification No. 141-00172

Dear Ms. Acker:

Honeywell International, Inc. (Honeywell) is submitting the enclosed Administrative Amendment Application to update the recently issued Part 70 Title V Permit No. 141-44983-00172 issued by the Indiana Department of Environmental Management (IDEM) on October 21, 2022, subsequent Administrative Amendment No. 141-46192-00172 issued January 24, 2023, and Significant Permit Modification No. 141-46329-00172 issued July 6, 2023. In addition to this cover letter, the permit package consists of the following attachments:

Permitting Package
Attachment A - Application Forms
Attachment B – Emission Calculations and Specifications
Attachment C - Proposed Permit Mark-ups

Requested Changes
Honeywell is proposing to replace their existing 535 horsepower (hp) diesel fired emergency generator (DG-1) with a proposed 755 hp diesel fired emergency generator (DG-3). The proposed generator will meet the NSPS Subpart IIII requirements. While the proposed generator has a higher horsepower, the lower emissions factors result in a net emission reduction for the proposed replacement project.

Honeywell

Honeywell Aerospace
3520 Westmoor Street
South Bend, IN 46628-1373
574-231-2000
Fax 574-231-2020

Additionally, the existing 140 hp diesel fired emergency engine (DG-2) is a fire pump not generator as indicated in the permit. The emergency natural gas-fired generator, identified as NG-1, with a maximum capacity of 40 hp, installed in 1977 has been removed. The enclosed permit mark-up includes these updates as well.

If you have any questions, please do not hesitate to contact me at (574) 231-2349.

Respectfully Submitted,

Mackenzie Meade
Sr. HSE Manager
HONEYWELL INTERNATIONAL INC.

ATTACHMENTS

ATTACHMENT A
Application Forms
Air Permit Application Cover Sheet
Forms Checklist
GSD-01 through GSD-08
PI-02C
PI-02F
PI-02G

AIR PERMIT APPLICATION COVER SHEET

State Form 50639 (R4 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this cover sheet is to obtain the core information needed to process the air permit application. This cover sheet is required for all air permit applications submitted to IDEM, OAQ. Place this cover sheet on top of all subsequent forms and attachments that encompass your air permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to **IDEM Air Permits Administration** using the address in the upper right hand corner of this page.
- IDEM will send a bill to collect the filing fee and any other applicable fees.
- Detailed instructions for this form are available on the Air Permit Application Forms website.

FOR OFFICE USE ONLY

PERMIT NUMBER: 141-48012-00172

DATE APPLICATION WAS RECEIVED:
Received
State of Indiana
JUN 27 2024 TC-2
Dept of Environmental Mgmt
Office of Air Quality

1. Tax ID Number:

PART A: Purpose of Application

Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.

2. Source / Company Name: Honeywell International, Inc | **3. Plant ID:** 141 – 00172

4. Billing Address: 3520 Westmoor Street

City: South Bend | **State:** IN | **ZIP Code:** 46628 – 1373

5. Permit Level: ☐ Exemption ☐ Registration ☐ SSOA ☐ MSOP ☐ FESOP ☒ TVOP ☐ PBR

6. Application Summary: *Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.*

☐ Initial Permit
☐ Renewal of Operating Permit
☐ Asphalt General Permit
☒ Review Request
☐ Revocation of Operating Permit
☐ Alternate Emission Factor Request
☐ Interim Approval
☐ Relocation of Portable Source
☐ Acid Deposition (Phase II)
☐ Site Closure
☐ Emission Reduction Credit Registry

☐ Transition (between permit levels) *From:* *To:*

☒ Administrative Amendment:
☐ *Company Name Change*
☐ *Change of Responsible Official*
☐ *Correction to Non-Technical Information*
☒ *Notice Only Change*
☐ *Other (specify):*

☐ Modification:
☐ *New Emission Unit or Control Device*
☐ *Modified Emission Unit or Control Device*
☐ *New Applicable Permit Requirement*
☐ *Change to Applicability of a Permit Requirement*
☐ *Prevention of Significant Deterioration*
☐ *Emission Offset*
☐ *MACT Preconstruction Review*
☐ *Minor Source Modification*
☐ *Significant Source Modification*
☐ *Minor Permit Modification*
☐ *Significant Permit Modification*
☐ *Other (specify):*

7. Is this an application for an initial construction and/or operating permit for a **"Greenfield" Source**? ☐ Yes ☒ No

8. Is this an application for construction of a new emissions unit at an **Existing Source**? ☐ Yes ☒ No

Continued on Next Page

PART B: Pre-Application Meeting

Part B specifies whether a meeting was held or is being requested to discuss the permit application.

9. Was a meeting held between the company and IDEM prior to submitting this application to discuss the details of the project?

☒ No ☐ Yes: *Date:*

10. Would you like to schedule a meeting with IDEM management and your permit writer to discuss the details of this project?

☒ No ☐ Yes: *Proposed Date for Meeting:*

PART C: Confidential Business Information

Part C identifies permit applications that require special care to ensure that confidential business information is kept separate from the public file.

Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in the Indiana Administrative Code (IAC). To ensure that your information remains confidential, refer to the IDEM, OAQ information regarding submittal of confidential business information. For more information on confidentiality for certain types of business information, please review IDEM's Nonrule Policy Document Air-031-NPD regarding Emission Data.

11. Is any of the information contained within this application being claimed as **Confidential Business Information**?

☒ No ☐ Yes

PART D: Certification Of Truth, Accuracy, and Completeness

Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

For a Part 70 Operating Permit (TVOP) or a Source Specific Operating Agreement (SSOA), a "responsible official" as defined in 326 IAC 2-7-1(34) must certify the air permit application. For all other applicants, this person is an "authorized Individual" as defined in 326 IAC 2-1.1-1(1).

☒ *I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.*

Beth Marks
Name *(typed)*

Senior Plant Director
Title

Beth Marks
Signature

6/21/24
Date

OAQ AIR PERMIT APPLICATION – FORMS CHECKLIST

State Form 51607 (R5 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this checklist is to help the applicant and IDEM, OAQ ensure that the air permit application packet is administratively complete. This checklist is a required form.
- Check the appropriate box indicating whether each application form is applicable for the current permit application. The source must submit only those forms pertinent to the current permit application.
- Place this checklist between the cover sheet and all subsequent forms and attachments that encompass your air permit application packet.

Part A: General Source Data				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☒ Y ☐ N	COVER	Application Cover Sheet	50639	Include for every application, modification, and renewal, including source specific operating agreements (SSOA).
☒ Y ☐ N	CHECKLIST	Forms Checklist	51607	Include for every application, modification, and renewal, including SSOA.
☒ Y ☐ N	GSD-01	Basic Source Level Information	50640	Include for every application, modification, and renewal, including SSOA.
☒ Y ☐ N	GSD-02	Plant Layout Diagram	51605	Include for every new source application, and modification.
☒ Y ☐ N	GSD-03	Process Flow Diagram	51599	Include one for every process covered by the application.
☒ Y ☐ N	GSD-04	Stack / Vent Information	51606	Include for every new source application, and modification.
☒ Y ☐ N	GSD-05	Emissions Unit Information	51610	Include for every process covered by the application.
☒ Y ☐ N	GSD-06	Particulate Emissions Summary	51612	Include if the process has particulate emissions (PM).
☒ Y ☐ N	GSD-07	Criteria Pollutant Emissions Summary	51602	Include if the process has criteria pollutant emissions.
☒ Y ☐ N	GSD-08	HAP Emissions Summary	51604	Include if the process has hazardous air pollutant emissions (HAP).
☐ Y ☒ N	GSD-09	Summary of Additional Information	51611	Include if the additional information is included.
☐ Y ☒ N	GSD-10	Insignificant Activities	51596	Include if there are unpermitted insignificant activities.
☐ Y ☒ N	GSD-11	Alternative Operating Scenario	51601	Include if an AOS is requested.
☐ Y ☒ N	GSD-12	Affidavit of Nonapplicability	51600	Include if the standard notification requirements do not apply.
☐ Y ☒ N	GSD-13	Affidavit of Applicability	51603	Include if the standard notification requirements apply.
☐ Y ☒ N	GSD-14	Owners and Occupants Notified	51609	Include if the standard notification requirements apply.
☐ Y ☒ N	GSD-15	Government Officials Notified	51608	Include if the standard notification requirements apply.
☐ Y ☒ N	RENEWAL	Renewal Checklist	51755	Include with every operating permit renewal packet.

Continued on Next Page

Part B: Process Information				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	AEF-01	Alternate Emission Factor Request	51860	Submit if you are requesting to use an emission factor other than AP-42.
☐ Y ☒ N	PI-01	Miscellaneous Processes	52534	Include one form for each process for which there is not a specific PI form.
☐ Y ☒ N	PI-02A	Combustion Unit Summary	52535	Include one form to summarize all combustion units *(unless SSOA).*
☐ Y ☒ N	PI-02B	*Combustion:* Boilers, Process Heaters, & Furnaces	52536	Include one form for each boiler, process heater, or furnace *(unless SSOA).*
☒ Y ☐ N	PI-02C	*Combustion:* Turbines & Internal Combustion Engines	52537	Include one form for each turbine or internal combustion engine *(unless SSOA).*
☐ Y ☒ N	PI-02D	*Combustion:* Incinerators & Combustors	52538	Include one form for each incinerator or combustor *(unless SSOA).*
☐ Y ☒ N	PI-02E	*Combustion:* Kilns	52539	Include one form for each kiln *(unless SSOA).*
☒ Y ☐ N	PI-02F	*Combustion:* Fuel Use	52540	Include one form for each combustion unit *(unless SSOA).*
☒ Y ☐ N	PI-02G	*Combustion:* Emission Factors	52541	Include one form for each combustion unit *(unless SSOA).*
☐ Y ☒ N	PI-02H	*Combustion:* Federal Rule Applicability	52542	Include one form for each combustion unit *(unless SSOA).*
☐ Y ☒ N	PI-03	Storage and Handling of Bulk Material	52543	Include if the process involves the storage and handling of bulk materials.
☐ Y ☒ N	PI-04	Asphalt Plants	52544	Include for each asphalt plant process *(unless general permit).*
☐ Y ☒ N	PI-05	Brick / Clay Products	52545	Include for each brick and/or clay products process.
☐ Y ☒ N	PI-06	Electroplating Operations	52546	Include for each electroplating process.
☐ Y ☒ N	PI-07	Welding Operations	52547	Include for each welding process.
☐ Y ☒ N	PI-08	Concrete Batchers	52548	Include for each concrete batcher *(unless SSOA).*
☐ Y ☒ N	PI-09	Degreasing	52549	Include for each degreasing process *(unless SSOA).*
☐ Y ☒ N	PI-10	Dry Cleaners	52550	Include for each dry cleaning process
☐ Y ☒ N	PI-11	Foundry Operations	52551	Include for each foundry process
☐ Y ☒ N	PI-12	Grain Elevators	52552	Include for each grain elevator *(unless SSOA).*
☐ Y ☒ N	PI-13	Lime Manufacturing	52553	Include for each lime manufacturing process.
☐ Y ☒ N	PI-14	Liquid Organic Compound Storage	52554 (doc)	Include if the process involves the storage of liquid organic compounds.
☐ Y ☒ N	PI-14ALT	Alternate version of Liquid Organic Compound Storage	52555 (xls)	Include if the process involves the storage of liquid organic compounds and there are several storage vessels.
☐ Y ☒ N	PI-15	Portland Cement Manufacturing	52556	Include for each Portland cement manufacturing process.
☐ Y ☒ N	PI-16	Reinforced Plastics & Composites	52557	Include for each reinforced plastics and composites process.

Continued on Next Page

Part B: Process Information				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	PI-17	Blasting Operations	52558	Include for each blasting process *(unless SSOA).*
☐ Y ☒ N	PI-18	Mineral Processing	52559	Include if the process involves mineral processing *(unless SSOA).*
☐ Y ☒ N	PI-19	Surface Coating & Printing Operations	52560	Include for each surface coating or printing process *(unless SSOA).*
☐ Y ☒ N	PI-20	Woodworking / Plastic Machining	52561	Include for each woodworking or plastic machining process *(unless SSOA).*
☐ Y ☒ N	PI-21	Site Remediation	52570	Include for each soil remediation process.
☐ Y ☒ N	PI-22	Ethanol Plants *(Under Development)*	None	Include for each ethanol plant.

Part C: Control Equipment				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	CE-01	Control Equipment Summary	51904	Include if add-on control equipment will be used for the process.
☐ Y ☒ N	CE-02	Particulates – Baghouse / Fabric Filter	51953	Include for each baghouse or fabric filter.
☐ Y ☒ N	CE-03	Particulates – Cyclone	52620	Include for each cyclone.
☐ Y ☒ N	CE-04	Particulates – Electrostatic Precipitator	52621	Include for each electrostatic precipitator.
☐ Y ☒ N	CE-05	Particulates – Wet Collector / Scrubber / Absorber	52622	Include for each wet collector, scrubber, or absorber.
☐ Y ☒ N	CE-06	Organics – Flare / Oxidizer / Incinerator	52623	Include for each flare, oxidizer, or incinerator.
☐ Y ☒ N	CE-07	Organics – Adsorbers	52624	Include for each adsorber.
☐ Y ☒ N	CE-08	Organics – Condenser	52625	Include for each condenser.
☐ Y ☒ N	CE-09	Reduction Technology	52626	Include for each control device using reduction technology (e.g., SCR, SNCR).
☐ Y ☒ N	CE-10	Miscellaneous Control Equipment	52436	Include one form for equipment for which there is not a specific CE form.

Continued on Next Page

Part D: Compliance Determination for Part 70 Sources				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	CD-01	Emissions Unit Compliance Status	51861	Include for every Title V application, including modifications.
☐ Y ☒ N	CD-02	Compliance Plan by Applicable Requirement	51862	Include for every Title V application, including modifications.
☐ Y ☒ N	CD-03	Compliance Plan by Emissions Unit	51863	Include for every Title V application, including modifications.
☐ Y ☒ N	CD-04	Compliance Schedule and Certification	51864	Include for every Title V application, including modifications and renewal.
☐ Y ☒ N	FED-03	Compliance Assurance Monitoring	53377	Include for every Title V application, including modifications.

Part E: Best Available Control Technology				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	BACT-01	Analysis of Best Available Control Technology	None	Include for every BACT application.
☐ Y ☒ N	BACT-01a	Background Search: Existing BACT Determinations	None	Include for every BACT application.
☐ Y ☒ N	BACT-01b	Cost/Economic Impact Analysis	None	Include for every BACT application.
☐ Y ☒ N	BACT-02	Summary of Best Available Control Technology	None	Include for every BACT application.
☐ Y ☒ N	PSD / EO-01	PSD / Emission Offset Checklist	None	Include for every PSD application and every NSR application that requires emission offsets.

Part F: Emission Credit Registry				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	EC-01	Generation of Emission Credits	51783	Include if the modification results in emission reductions.
☐ Y ☒ N	EC-02	Transfer of Emission Credits	51784	Submit whenever registered emission credits are transferred.
☐ Y ☒ N	EC-03	Use of Emission Credits	51785	Include if the modification requires the use of emission credits for offsets.
☐ Y ☒ N	EC-04	Emission Credit Request	51906	Submit if you are looking for emission credits for offsets.

Continued on Next Page

Part G: Plantwide Applicability Limits				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	PAL-01	Actuals Plantwide Applicability Limit	52451	Include if the modification results in emission reductions.
☐ Y ☒ N	PAL-02	Revised Plantwide Applicability Limit	52452	Submit whenever registered emission credits are transferred.
☐ Y ☒ N	PAL-03	Plantwide Applicability Limit Renewal	52453	Include if the modification requires the use of emission credits for offsets.
☐ Y ☒ N	PAL-04	Request for Termination of Plantwide Applicability Limit	52454	Submit if you are looking for emission credits for offsets.

Part H: Air Toxics				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	FED-01	Summary of Federal Requirements – NSPS & NESHAP	53512	Include for each 40 CFR Part 60 NSPS, 40 CFR Part 61 NESHAP, and 40 CFR Part 63 NESHAP applicable to the process.
☐ Y ☒ N	FED-02	MACT Pre-Construction Review	51905	Include if constructing or modifying a process subject to a Part 63 NESHAP.
☐ Y ☒ N	No Form ID	MACT Initial Notification	None	This form is available on the U.S. EPA website. Completed notifications should be submitted to the IDEM Compliance Branch.

Part I: Special Permits				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	INTERIM	Interim Approval	None	Submit if you are applying for interim operating approval.
☐ Y ☒ N	ASPHALT	Asphalt General Permit	None	Submit if you are applying for or modifying an asphalt plant general permit.
☐ Y ☒ N	NOXBTP	NO_x Budget Permit	None	Submit if you are a power plant or if you have opted in to the NO_x budget trading program.
☐ Y ☒ N	ACIDRAIN	Phase 2 Acid Rain Permit	None	Submit if you are applying for, modifying, or renewing a Phase 2 Acid Rain permit.

Continued on Next Page

Part J: Source Specific Operating Agreements (SSOA)				
Applicable?	**Form ID**	**Title of Form**	**State Form Number**	**When should this form be included in my application packet?**
☐ Y ☒ N	OA-01	Summary of Application and Existing Agreements	53438	Submit if you are applying for or modifying a Source Specific Operating Agreement.
☐ Y ☒ N	OA-02	Industrial / Commercial Surface Coating Operations -OR- Graphic Arts Operations (326 IAC 2-9-2.5)	53439	Submit if you are applying for or modifying a SSOA for industrial or commercial surface coating operations not subject to 326 IAC 8-2; or graphic arts operations not subject to 326 IAC 8-5-5.
☐ Y ☒ N	OA-03	Surface Coating or Graphic Arts Operations (326 IAC 2-9-3)	53440	Submit if you are applying for or modifying a SSOA for surface coating or graphic arts operations.
☐ Y ☒ N	OA-04	Woodworking Operations (326 IAC 2-9-4)	53441	Submit if you are applying for or modifying a SSOA for woodworking operations.
☐ Y ☒ N	OA-05	Abrasive Cleaning Operations (326 IAC 2-9-5)	53442	Submit if you are applying for or modifying a SSOA for abrasive cleaning operations.
☐ Y ☒ N	OA-06	Grain Elevators (326 IAC 2-9-6)	53443	Submit if you are applying for or modifying a SSOA for grain elevators.
☐ Y ☒ N	OA-07	Sand And Gravel Plants (326 IAC 2-9-7)	53444	Submit if you are applying for or modifying a SSOA for sand and gravel plants.
☐ Y ☒ N	OA-08	Crushed Stone Processing Plants (326 IAC 2-9-8)	53445	Submit if you are applying for or modifying a SSOA for crushed stone processing plants.
☐ Y ☒ N	OA-09	Ready-Mix Concrete Batch Plants (326 IAC 2-9-9)	53446	Submit if you are applying for or modifying a SSOA for ready-mix concrete batch plants.
☐ Y ☒ N	OA-10	Coal Mines And Coal Preparation Plants (326 IAC 2-9-10)	53447	Submit if you are applying for or modifying a SSOA for coal mines and coal preparation plants.
☐ Y ☒ N	OA-11	Automobile Refinishing Operations (326 IAC 2-9-11)	53448	Submit if you are applying for or modifying a SSOA for automobile refinishing operations.
☐ Y ☒ N	OA-12	Degreasing Operations (326 IAC 2-9-12)	53449	Submit if you are applying for or modifying a SSOA for degreasing operations.
☐ Y ☒ N	OA-13	External Combustion Sources (326 IAC 2-9-13)	53450	Submit if you are applying for or modifying a SSOA for external combustion sources.
☐ Y ☒ N	OA-14	Internal Combustion Sources (326 IAC 2-9-14)	53451	Submit if you are applying for or modifying a SSOA for internal combustion sources.

OAQ GENERAL SOURCE DATA APPLICATION
GSD-01: Basic Source Level Information

State Form 50640 (R5 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

TE-2

NOTES:

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

141-48012-00172

PART A: Source / Company Location Information

1. **Source / Company Name**: Honeywell International, Inc
2. **Plant ID**: 141 – 00172
3. **Location Address**: 3520 Westmoor Street
   - **City**: South Bend
   - **State**: IN
   - **ZIP Code**: 46628 – 1373
4. **County Name**: St Joseph
5. **Township Name**: Portage
6. **Geographic Coordinates**:
   - **Latitude**: 41° 41' 00"
   - **Longitude**: 86° 17' 45"
7. **Universal Transferal Mercadum Coordinates** *(if known)*:
   - **Zone**: 16
   - **Horizontal**: 557.8
   - **Vertical**: 4614.8
8. **Adjacent States**: Is the source located within 50 miles of an adjacent state?
   ☐ No ☒ Yes – *Indicate Adjacent State(s):* ☐ Illinois (IL) ☒ Michigan (MI) ☐ Ohio (OH) ☐ Kentucky (KY)
9. **Attainment Area Designation**: Is the source located within a non-attainment area for any of the criteria air pollutants?
   ☒ No ☐ Yes – *Indicate Nonattainment Pollutant(s):* ☐ CO ☐ Pb ☐ NO_x ☐ O_3 ☐ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☐ SO_2
10. **Portable / Stationary**: Is this a portable or stationary source? ☐ Portable ☒ Stationary

PART B: Source Summary

11. **Company Internet Address** *(optional)*:
12. **Company Name History**: Has this source operated under any other name(s)?
    ☒ No ☐ Yes – *Provide information regarding past company names in Part I, Company Name History.*
13. **Portable Source Location History**: Will the location of the portable source be changing in the near future?
    ☒ Not Applicable ☐ No ☐ Yes – *Complete Part J, Portable Source Location History, and Part K, Request to Change Location of Portable Source.*
14. **Existing Approvals**: Have any exemptions, registrations, or permits been issued to this source?
    ☐ No ☒ Yes – *List these permits and their corresponding emissions units in Part M, Existing Approvals.*
15. **Unpermitted Emissions Units**: Does this source have any unpermitted emissions units?
    ☒ No ☐ Yes – *List all unpermitted emissions units in Part N, Unpermitted Emissions Units.*
16. **New Source Review**: Is this source proposing to construct or modify any emissions units?
    ☒ No ☐ Yes – *List all proposed new construction in Part O, New or Modified Emissions Units.*
17. **Risk Management Plan**: Has this source submitted a Risk Management Plan?
    ☒ Not Required ☐ No ☐ Yes → Date submitted: EPA Facility Identifier: – –

Continued on Next Page

PART C: Source Contact Information

IDEM will send the original, signed permit decision to the person identified in this section. This person MUST be an employee of the permitted source.

18. Name of Source Contact Person: Mackenzie Meade

19. Title *(optional)*: Senior HS&E Engineer

20. Mailing Address: 3520 Westmoor Street

City: South Bend	**State**: IN	**ZIP Code**: 46628 – 1373

21. Electronic Mail Address *(optional)*: mackenzie.mead@honeywell.com

22. Telephone Number: (574) 231 – 2349	**23. Facsimile Number** *(optional)*: ( ) –

PART D: Authorized Individual/Responsible Official Information

IDEM will send a copy of the permit decision to the person indicated in this section, if the Authorized Individual or Responsible Official is different from the Source Contact specified in Part C.

24. Name of Authorized Individual or Responsible Official: Beth Marks

25. Title: Senior Plant Director

26. Mailing Address: 3520 Westmoor Street

City: South Bend	**State**: IN	**ZIP Code**: 46628 – 1373

27. Telephone Number: (574) 231 – 2448	**28. Facsimile Number** *(optional)*: ( ) –

29. Request to Change the Authorized Individual or Responsible Official: Is the source officially requesting to change the person designated as the Authorized Individual or Responsible Official in the official documents issued by IDEM, OAQ? *The permit may list the title of the Authorized Individual or Responsible Official in lieu of a specific name.*

☒ No ☐ Yes – ***Change Responsible Official to:***

PART E: Owner Information

30. Company Name of Owner: Honeywell International, Inc

31. Name of Owner Contact Person: Beth Marks

32. Mailing Address: 3520 Westmoor Street

City: South Bend	**State**: IN	**ZIP Code**: 46628 – 1373

33. Telephone Number: (574) 231 – 2448	**34. Facsimile Number** *(optional)*: ( ) –

34. Operator: Does the "Owner" company also operate the source to which this application applies?

☐ No – *Proceed to Part F below.*	☒ Yes – *Enter "SAME AS OWNER" on line 35 and proceed to Part G below.*

PART F: Operator Information

35. Company Name of Operator: SAME AS OWNER

36. Name of Operator Contact Person:

37. Mailing Address:

City:	**State**:	**ZIP Code**: –

38. Telephone Number: ( ) –	**39. Facsimile Number** *(optional)*: ( ) –

Continued on Next Page

PART G: Agent Information

40. Company Name of Agent: Stantec

41. Type of Agent: ☒ Environmental Consultant ☐ Attorney ☐ Other (specify):

42. Name of Agent Contact Person: Haley H. Roberts

43. Mailing Address: 10745 Westside Way, Suite 250

City: Alpharetta	**State**: GA	**ZIP Code**: 30009 –

44. Electronic Mail Address *(optional)*: Haley.Roberts@stantec.com

45. Telephone Number: (678) 987 – 5842	**46. Facsimile Number** *(optional)*: ( ) –

47. Request for Follow-up: Does the "Agent" wish to receive a copy of the preliminary findings during the public notice period (if applicable) and a copy of the final determination? ☐ No ☒ Yes

PART H: Local Library Information

48. Date application packet was filed with the local library: Not applicable

49. Name of Library: St. Joe County Public Library

50. Name of Librarian *(optional)*:

51. Mailing Address: 304 S. Main Street

City: South Bend	**State**: IN	**ZIP Code**: 46601 –

52. Internet Address *(optional)*:

53. Electronic Mail Address *(optional)*:

54. Telephone Number: (574) 282 – 4646	**55. Facsimile Number** *(optional)*: ( ) –

PART I: Company Name History *(if applicable)*

Complete this section only if the source has previously operated under a legal name that is different from the name listed above in Section A.

56. Legal Name of Company	**57. Dates of Use**
	to
	to
	to
	to
	to
	to
	to
	to
	to
	to

58. Company Name Change Request: Is the source officially requesting to change the legal name that will be printed on all official documents issued by IDEM, OAQ?

☒ No ☐ Yes – ***Change Company Name to:***

Continued on Next Page

PART J: Portable Source Location History *(if applicable)*

Complete this section only if the source is portable and the location has changed since the previous permit was issued. The current location of the source should be listed in Section A.

59. Plant ID	60. Location of the Portable Source	61. Dates at this Location
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to
–		to

PART K: Request to Change Location of Portable Source *(if applicable)*

Complete this section to request a change of location for a portable source.

62. Current Location:

Address:

City:	**State:**	**ZIP Code:** –

County Name:

63. New Location:

Address:

City:	**State:**	**ZIP Code:** –

County Name:

Continued on Next Page

PART L: Source Process Description

Complete this section to summarize the main processes at the source.

64. Process Description	65. Products	66. SIC Code	67. NAICS Code
Metal Finishing and Carbon Brake Manufacturing	Aircraft Landing Assemblies and Parts	3728	336413
Testing of Aircraft Components	Test of Aircraft Components	3724	336412

PART M: Existing Approvals *(if applicable)*

Complete this section to summarize the approvals issued to the source since issuance of the main operating permit.

68. Permit ID	69. Emissions Unit IDs	70. Expiration Date
44983	Title V Renewal- Issued 10/21/2022	10/21/2027
46192	Title V Administrative Amendment - Issued January 24, 2023	10/21/2027
46329	Title V Significant Permit Modification - Issued July 6, 2023	10/21/2027

PART N: Unpermitted Emissions Units *(if applicable)*

Complete this section only if the source has emission units that are not listed in any permit issued by IDEM, OAQ.

71. Emissions Unit ID	72. Type of Emissions Unit	73. Actual Dates		
		Began Construction	Completed Construction	Began Operation

PART O: New or Modified Emissions Units *(if applicable)*

Complete this section only if the source is proposing to add new emission units or modify existing emission units.

74. Emissions Unit ID	75. NEW	76. MOD	77. Type of Emissions Unit	78. Estimated Dates		
				Begin Construction	Complete Construction	Begin Operation
DG-3	X		Diesel Emergency Generator	11/1/2024	12/31/24	1/1/25

OAQ GENERAL SOURCE DATA APPLICATION
GSD-02: Plant Layout Diagram

State Form 51605 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of GSD-02 is to provide a diagram of the entire plant site. This form and a Plant Layout diagram are required for all air permit applications. If you do not provide the necessary information, applicable to your source, the application process may be stopped.
- IDEM, OAQ has provided detailed instructions for this form and an example of a basic plant layout diagram on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Basic Plant Layout

Part A provides IDEM, OAQ with the appropriate information about all buildings and access-limiting features in and around the plant site. **Please use this table as a checklist.** You must provide scaled drawings, with the actual scale shown. All dimensions and units must be clearly indicated with a brief explanation of what is being shown. Include the following (*All measurements should be given in feet.*):

1.	☒ Building Location and Dimensions				
2.	☒ Property Lines and Access-Limiting Features				
3.	☒ Surrounding Building Location and Dimensions				
4.	☒ Distances to Property Lines and Access-Limiting Features				
5.	☒ UTM Location Coordinates	6.	☒ Compass (pointing North)	7.	☒ Scale

Part B: Stack Information

Part B provides IDEM, OAQ with the appropriate information about all stacks, roof monitors, control devices, and process vents at the plant site. **Please use this table as a checklist.** You must show the location of all applicable emission points and include all relevant stack and emissions unit identification numbers for each. In addition, you will need to identify each of these emission points under "Stack Identification" on form GSD-04, Stack/Vent Information. Include the following (*All measurements should be in feet.*):

8.	☐ Exhaust Stacks			
9.	☐ Process Vents			
10.	☐ Roof Monitors	☐ *No Roof Monitors*		
11.	☐ Control Devices	☐ *No Control Devices*		
12.	☐ Interior Vents	☐ *No Interior Vents*	☐ Doors and Windows *(for processes vented inside a building)*	

Part C: Roadway Information

Part C provides IDEM, OAQ with the appropriate information about the roadways in and around the plant site. **Please use this table as a checklist.** Include the following (*All measurements should be in feet.*):

13.	☐ Adjacent Roadways	☐ Interior Roadways
14.	☐ Roadway Surface Description (gravel, dirt, paved, etc.)	
15.	☐ Number of Lanes	

Continued on Next Page

Part D: Source Building Information

This table provides detailed information about each building at the plant site that is part of the source. If additional space is needed, you may make a copy of this table. (*All measurements should be given in feet.*)

16. Building ID	17. Building Description	18. Building Dimensions			19. Distance & direction to the nearest property line or access limiting feature (feet & compass coordinate)	20. Distance & direction to the nearest residence (feet & compass coordinate)
		Length (feet)	Width (feet)	Height (feet)		
No changes						

Continued on Next Page

Part E: Surrounding Building / Residence Information

This table provides detailed information about each building or residence surrounding the plant site. If additional space is needed, you may make a copy of this table. (*All measurements should be given in feet.*)

21. Surrounding Building / Residence Description	22. Surrounding Building / Residence Property Dimensions			23. Distance & direction to the nearest property line or access limiting feature (feet & compass coordinate)	24. Building ID of nearest building on the plant site	25. Distance & direction to the nearest building on the plant site (feet & compass coordinate)
	Length (feet)	Width (feet)	Height (feet)			
See Attached Drawing						

Continued on Next Page

Part F: Plant Layout Diagram

This space provides a place for a hand drawn plant layout diagram. It is **optional** to use this space to create your plant layout, but you must include the diagram with your application. If you choose to submit the plant layout in a different format, state "plant layout attached" in the space provided, and submit the information with your completed application. IDEM, OAQ has provided an example of a basic plant layout diagram on the Air Permit Applications Forms website.

Honeywell International, Inc. – South Bend, IN	Honeywell	Figure 1
Area Map		June 2024

OAQ GENERAL SOURCE DATA APPLICATION
GSD-03: Process Flow Diagram

State Form 51599 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of GSD-03 is to provide a checklist for identifying the information to be included on each Process Flow diagram.
- Complete this form and submit a process flow diagram for each process included in your air permit application.
- IDEM, OAQ has provided detailed instructions for this form and an example of a basic process flow diagram on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Process Flow Diagram

Part A provides basic information to understanding the nature of the process. Please use this table as a checklist to indicate that you have included the following items on your process flow diagram (*All throughputs should be given in pounds per hour.*):

1. ☒ **Process Description:** Proposed Emergency Generator

2. ☒ Process Equipment	3. ☒ Raw Material Input	4. ☒ Process Throughput

5. ☒ Additions ☒ Deletions ☐ Modifications

Use the space below to briefly explain the impacts of the additional equipment, the reason for removing any equipment, and/or the reason for the proposed modification. (*If additional space is needed, please attach a separate sheet with the information and indicate in the space below that additional information is attached.*)

See cover letter for detailed information on the proposed facility modifications.

Part B: Process Operation Schedule

Part B indicates the actual (or estimated actual) hours of operation for the process.

6. ☒ Process Operation Schedule 1 Hours per Day 1 Days per Week 52 Weeks Per Year

7. **Scheduled Downtime:** Use the space below to include as much information as is known about scheduled periods of downtime for this process. (*If additional space is needed, please attach a separate sheet with the information and indicate in the space below that additional information is attached.*)

Part C: Emissions Point Information

Part C provides information about each potential outlet of air pollutant emissions to the atmosphere. Please use this table as a checklist to indicate that you have included the following items on your process flow diagram (*All throughputs should be given in pounds per hour.*):

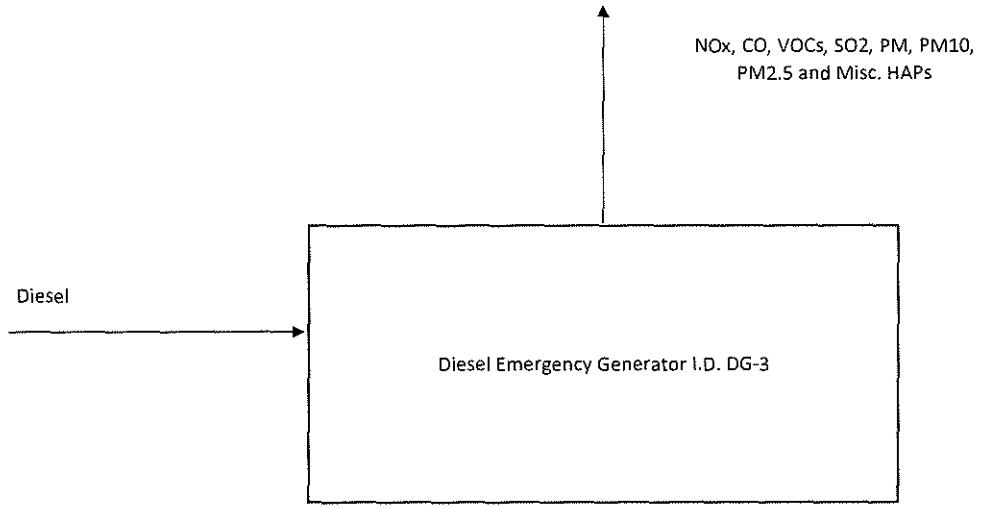
8. ☒ Stack / Vent Information
9. ☒ Pollutants Emitted
10. ☒ Air Pollution Control

Continued on Next Page

Part D: Process Flow Diagram

This space provides a place for a hand drawn process flow diagram. It is **optional** to use this space to create your process flow diagram, but you must include the diagram with your application. If you choose to submit the process flow diagram in a different format, state "process flow diagram attached" in the space provided, and submit the information with your completed application. IDEM, OAQ has provided an example of a basic process flow diagram on the Air Permit Applications Forms website.

Honeywell South Bend
Diesel Emergency Generator I.D. DG-3
Form GSD-03 Attachment



OAQ GENERAL SOURCE DATA APPLICATION
GSD-04: Stack / Vent Information
State Form 51606 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide basic information about each stack or vent that has the potential to emit air pollutants. If you do not provide enough information to adequately describe each process vent and/or stack, the application process may be stopped. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Stack / Vent Information

This table provides detailed information about each stack or vent through which air pollutants could be released into the atmosphere. If an air stream is vented inside a building, the vent does not need to be listed on this form. If additional space is needed, you may make a copy of this form.

1. Stack / Vent ID	2. Type (V H W O)	3. Shape (C R O)	4. Outlet Dimensions (feet)	5. Height (feet)	6. Maximum Outlet Flow Rate (acfm)	7. Outlet Gas Temperature (Degrees F)	8. Related Stacks / Vents (B P O)
DG-3	H	C	0.67	6.00	3105.00	865.0	

OAQ GENERAL SOURCE DATA APPLICATION
GSD-05: Emissions Unit Information
State Form 51610 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide basic information about each emissions unit that has the potential to emit air pollutants. This form is required for all air permit applications.
- Detailed instructions for this form are available online on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Emissions Unit Information

This table provides detailed information about each emissions unit that has the potential to emit air pollutants to the atmosphere. Accurate information is needed to determine the total potential to emit. If you do not provide enough information to adequately describe each emissions unit, the application process may be stopped. If additional space is needed, you may make a copy of this form.

1. Unit ID	2. Model Number	3. Serial Number	4. Description	5. Manufacturer	6. Installation Date	7. Maximum Capacity	8. Stack / Vent ID
DG-3	QSX15-G9	TBD	Diesel Emergency Generator	Cummins	12/1/2024	755.00 HP	DG-3

OAQ GENERAL SOURCE DATA APPLICATION
GSD-06: Particulate Emissions Summary

State Form 51612 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide basic information about each source of particulate emissions. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Particulate Matter Emissions

Part A provides a summary of the type and amount of particulate emissions at the source. The state rules on particulate emissions are found in Title 326 of the Indiana Administrative Code, Article 6, Particulate Rules. If you do not provide enough information to adequately describe each source of particulate emissions, the application process may be stopped. If additional space is needed, you may make a copy of this table.

Emissions Point		Potential To Emit (tons per year)						
1. ID	2. Description	3. PM	4. PM-10	5. PM-2.5	6. TSP	7. Fugitive Dust	8. Fugitive PM	9. HAP PM
	See detailed emission calculations							

Continued on Next Page

Part B: Control of Particulate Emissions

Part C gathers information about how each source of particulate emissions is controlled. If you do not provide enough information to adequately describe how each source of particulate emissions is controlled, the application process may be stopped. If additional space is needed, you may make a copy of this table.

10. Emissions Point ID	11. Control Measure	12. Control Measure Description	13. Control Plan
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______
	☐ No Control ☐ Dust Suppression ☐ Other: ______		☐ Yes ☐ No Date Submitted: ______

Air Permitting Rules 326 IAC 6-4 and 326 IAC 6-5 require fugitive dust to be controlled as needed to prevent dust from visibly crossing property lines. Parts C and D summarize sources of fugitive particulate emissions from process operations and unpaved roads.

PART C: Fugitive Dust *(if applicable)*

Part C identifies measures implemented for controlling fugitive particulate emissions from process operations and unpaved roads.

14. Dust Control Plans: *Check all that apply.*	**15. Control Measures:**	
☐ Conveying:	☐ Wet	☐ Dry
☐ Stock Piles:	☐ Open	☐ Covered
☐ Unpaved Roads: *Watered?*	☐ Yes	☐ No
☐ Other *(specify)*:		
☐ Other *(specify)*:		
☐ Other *(specify)*:		

PART D: Vehicular Traffic on Unpaved Roads *(if applicable)*

Part D gathers information on vehicular traffic patterns when the site contains unpaved roads. All data should be provided assuming peak hours of vehicular traffic. Two one-way trips equal one round trip. For external traffic (vehicles entering and leaving the property lines), the distance from the plant to the property line is the one-way trip distance.

16. Average Silt Content of Unpaved Roads:

17. Vehicle Description	**18. Max. No. round trips at peak hours** (trips/hr)	**19. Distance of one-way trip** (miles/trip)	**20. Max. vehicle speed** (mph)	**21. Max. gross vehicle weight** *(fully loaded)* (tons)	**22. Tare weight** (tons)	**23. No. of wheels on vehicle** (wheels)

OAQ GENERAL SOURCE DATA APPLICATION
GSD-07: Criteria Pollutant Emissions Summary

State Form 51602 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide the actual and potential emissions of each criteria pollutant emitted from the source. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Unit Emissions Summary

Part A provides the actual and potential emissions of each criteria pollutant emitted from each emissions unit. If you do not provide enough information to adequately describe the emissions from each emissions unit, the application process may be stopped.

1. Unit ID	2. Stack / Vent ID	3. Criteria Pollutant	4. Actual Emissions		5. Potential To Emit	
			Standard Units	Tons Per Year	Standard Units	Tons Per Year
		See detailed emission calculations				

Continued on Next Page

Part B: Pollutant Emissions Summary

Part B provides the total actual and potential emissions of each criteria pollutant emitted from the source (including all emissions units and fugitive emissions at the source). If you do not provide enough information to adequately describe the total source emissions, the application process may be stopped.

6. Criteria Pollutant	7. Actual Emissions		8. Potential To Emit	
	Standard Units	Tons Per Year	Standard Units	Tons Per Year
Carbon Monoxide (CO)				
Lead (Pb)				
Nitrogen Oxides (NO_X)				
Particulate Matter (PM)				
Particulate Matter less than 10μm (PM_{10})				
Particulate Matter less than 2.5μm ($PM_{2.5}$)				
Sulfur Dioxide (SO_2)				
Volatile Organic Compounds (VOC)				
Other *(specify)*:				

Part C: Fugitive VOC Emissions *(if applicable)*

Part C summarizes the sources of fugitive VOC emissions at the source and estimates VOC emissions from these emission points. Complete this table if you are required to provide fugitive emissions data pursuant to 326 IAC 2-2 or 326 IAC 2-3.

9. Fugitive Emissions Source	10. Emission Factor (lb/hr)	11. Number Leaking	12. Uncontrolled Potential To Emit	
			Pounds Per Hour	Tons Per Year
Compressor Seals				
Flanges				
Open-Ended Lines				
Pressure Relief Seals				
Pump Seals				
Sampling Connections				
Valves				
Other *(specify)*:				

OAQ GENERAL SOURCE DATA APPLICATION
GSD-08: Hazardous Air Pollutant Emissions Summary

State Form 51604 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to provide the actual and potential emissions of each hazardous air pollutant emitted from the source. This form is required for all air permit applications.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Part A: Unit Emissions Summary

Part A provides the actual and potential emissions of each hazardous air pollutant emitted from each emissions unit. If you do not provide enough information to adequately describe the emissions from each emissions unit, the application process may be stopped.

1. Unit ID	2. Stack / Vent ID	3. Hazardous Air Pollutant	4. CAS Number	5. Actual Emissions		6. Potential To Emit	
				Standard Units	Tons Per Year	Standard Units	Tons Per Year
		See detailed emission calculations					

Continued on Next Page

Part B: Pollutant Emissions Summary

Part B provides the total actual and potential emissions of each hazardous air pollutant emitted from the source (including all emissions units and fugitive emissions at the source). If you do not provide enough information to adequately describe the total source emissions, the application process may be stopped.

7. Hazardous Air Pollutant	8. CAS Number	9. Actual Emissions		10. Potential To Emit	
		Standard Units	Tons Per Year	Standard Units	Tons Per Year

Part C: Fugitive HAP Emissions *(if applicable)*

Part C summarizes the sources of fugitive HAP emissions at the source and estimates HAP emissions from these emission points. Complete this table if you are required to provide fugitive emissions data pursuant to 326 IAC 2-2 or 326 IAC 2-3.

11. Fugitive Emissions Source	12. Hazardous Air Pollutant	13. Emission Factor (lb/hr)	14. Number Leaking	15. Uncontrolled Potential To Emit	
				Pounds Per Hour	Tons Per Year
Compressor Seals					
Flanges					
Open-Ended Lines					
Pressure Relief Seals					
Pump Seals					
Sampling Connections					
Valves					
Other *(specify)*:					

OAQ PROCESS INFORMATION APPLICATION
PI-02C: Combustion – Turbines & Reciprocating Internal Combustion Engines

State Form 52537 (R2 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to specify details that pertain only to turbines and internal combustion engines.
- Complete one PI-02C form for each emissions unit. If there are multiple emission units that are identical in nature, capacity, and use, you may use one PI-02C form to summarize the units.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for anyone to inspect and photocopy.

PART A: Process Unit Details

Part A specifies operating information that is unique to turbines and reciprocating internal combustion engines. Definitions and additional explanation of terminology are included in the instructions for this form.

1. Unit ID: DG-3

2. Type of Combustion Unit

☐ Turbine:	☐ Simple Cycle ☐ Regenerative Cycle ☐ Cogeneration ☐ Combined Cycle
☒ Reciprocating Internal Combustion Engine:	☐ 2-stroke lean-burn ☐ 4-stroke lean-burn ☐ 4-stroke rich-burn

3. Combustion Process: ☐ Diffusion Flame Combustion ☐ Lean-Premix Staged Combustion

4. Ignition Type: ☐ Spark ☒ Compression

5. Power Output: 755.00 horsepower (hp) / megawatts (MW)

6. Duty Cycle: 500 hours per year (hr/yr)

7. Fuel Used: ☐ Natural Gas Only ☒ Other – *Attach completed PI-02F.*

8. Does this combustion unit supply power to an emergency generator? ☒ Yes ☐ No

This space was intentionally left blank.

Continued on Next Page

PART B: Emission Controls and Limitations

Part B identifies control technology, control techniques or other process limitations that impact air emissions.

9. Add-On Control Technology: *Identify all control technologies used for this process. Attach completed CE-01 (unless "none").*

- ☒ None
- ☐ Catalytic Oxidation – *Attach CE-06*
- ☐ NO_X Reduction – *Attach CE-09*
- ☐ Other *(specify)*: – *Attach CE-10.*

10. Control Techniques: *Identify all control techniques used for this process.*

- ☐ None *(explain)*:
- ☐ Air-To-Fuel Ratio Adjustments
- ☐ Aromatic Content Increase
- ☐ Boiling Point adjusted to 10% and 90%
- ☐ Cetane Number
- ☒ Charge Cooling
- ☐ Combustion Chamber Modifications
- ☐ Derating
- ☐ Electronic Timing & Metering
- ☐ Exhaust Gas Recirculation
- ☐ Fuel Additives
- ☐ Fuel Injection Pressure
- ☐ Injection Rate Control
- ☐ Injection Timing Retard
- ☐ Injector Nozzle Geometry
- ☐ Lean Combustion
- ☒ Low Sulfur Content Fuel
- ☐ Oil Consumption Control
- ☐ Pre-ignition Chamber Combustion
- ☐ Rapid Spill Nozzles
- ☒ Turbocharging
- ☐ Two Stage Lean / Lean Combustion
- ☐ Two Stage Rich / Lean Combustion
- ☐ Water/Fuel Emulsions
- ☐ Water / Steam Injection
- ☐ Other *(specify)*: – *Attach completed GSD-09.*

11. Process Limitations / Additional Information: *Identify any acceptable process limitations. Attach additional information if necessary.*

Limited to 500 hours per year

OAQ PROCESS INFORMATION APPLICATION
PI-02F: Combustion – Fuel Use
State Form 52540 (R2 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to identify each fuel that will be used in the combustion unit. Definitions and additional explanation of terminology are included in the instructions for this form.
- Complete one form PI-02F for each combustion unit. If the unit has any capability of using a fuel, even if on a backup or intermittent basis, complete the applicable section. Using a fuel that is not specified in the permit is a violation of the permit.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for anyone to inspect and photocopy.

PART A: Process Unit Identification

1. Unit ID: DG-3

PART B: Gaseous Fuels

Part B identifies the gaseous fuels that will be used in the combustion unit.

2. Fuel Type:	3. Percent of Fuel Use *(by volume)*	4. Primary or Secondary Fuel?	5. Component Percentages:	6. Heating Value:
☐ Natural Gas		☐ Primary ☐ Secondary	Sulfur:	*(Btu/ft³)*
☐ Liquefied Petroleum Gas ☐ *Commercial- Propane* ☐ *Engine Fuel Propane (HD-5)* ☐ *Commercial- Butane*		☐ Primary ☐ Secondary	Sulfur: Butane: Propane:	*(Btu/ft³)*
☐ Process Gas *		☐ Primary ☐ Secondary	Sulfur:	*(Btu/ft³)*
☐ Landfill Gas *		☐ Primary ☐ Secondary	Sulfur:	*(Btu/ft³)*
☐ Other *(specify)*:		☐ Primary ☐ Secondary	:	*(Btu/ft³)*

* Indicate the source of the process or landfill gas:

Continued on Next Page

PART C: Liquid Fuels

Part C identifies the liquid fuels that will be used in the combustion unit.

7. Fuel Type:	8. Percent of Fuel Use *(by volume)*	9. Primary or Secondary Fuel?	10. Component Percentages:	11. Heating Value:	12. Percent Heat:
☐ Residual Fuel Oil ☐ *No. 5 – Heavy* ☐ *No. 5 – Light* ☐ *No. 6 (Bunker C)*		☐ Primary ☐ Secondary	Sulfur:	*(Btu/gal)*	
☒ Distillate Fuel Oil ☐ *No. 1* ☒ *No. 2 (Diesel)* ☐ *No. 4*	100.00%	☒ Primary ☐ Secondary	Sulfur: 0.0015%	137,000 *(Btu/gal)*	100.00%
☐ Gasoline		☐ Primary ☐ Secondary	Sulfur:	*(Btu/gal)*	
☐ Waste Oil		☐ Primary ☐ Secondary	Sulfur: Ash: Lead Chlorine:	*(Btu/gal)*	
☐ Liquid Waste *		☐ Primary ☐ Secondary	Sulfur: Fluorine: Chlorine:	*(Btu/gal)*	
☐ Other *(specify)*:		☐ Primary ☐ Secondary	: :	*(Btu/gal)*	

* RCRA alpha-numeric codes for Special or Hazardous Waste to be Burned:

This space was intentionally left blank.

Continued on Next Page

PART D1: Solid Fuels – Coal

Part D1 identifies all variations of coal that will be used in the combustion unit.

13. Fuel Type:	14. Percent of Fuel Use *(by volume)*	15. Primary or Secondary Fuel?	16. Component Percentages:	17. Heating Value:	18. Basis:
☐ Anthracite Coal ☐ *Anthracite* ☐ *Culm*		☐ Primary ☐ Secondary	Sulfur: Ash: Moisture:	*(Btu/lb)*	☐ Dry ☐ Moist
☐ Bituminous Coal		☐ Primary ☐ Secondary	Sulfur: Ash: Moisture:	*(Btu/lb)*	☐ Dry ☐ Moist
☐ Sub-bituminous Coal		☐ Primary ☐ Secondary	Sulfur: Ash: Moisture:	*(Btu/lb)*	☐ Dry ☐ Moist
☐ Lignite Coal		☐ Primary ☐ Secondary	Sulfur: Ash: Moisture:	*(Btu/lb)*	☐ Dry ☐ Moist
☐ Coke		☐ Primary ☐ Secondary	Sulfur: Ash: Moisture:	*(Btu/lb)*	☐ Dry ☐ Moist
☐ Other Coal *(specify)*:		☐ Primary ☐ Secondary	Sulfur: Ash: Moisture:	*(Btu/gal)*	☐ Dry ☐ Moist

This space was intentionally left blank.

Continued on Next Page

PART D2: Other Solid Fuels

Part D2 identifies the solid fuels, other than coal, that will be used in the combustion unit.

19. Fuel Type:	20. Percent of Fuel Use *(by volume)*	21. Primary or Secondary Fuel?	22. Component Percentages:	23. Heating Value:	24. Percent Heat:
☐ Wood or Wood Waste ☐ *Wood Only* ☐ *Wood Residue Only* ☐ *Wood and Wood Residue*		☐ Primary ☐ Secondary	Moisture:	*(Btu/ton)*	
☐ Tires or Tire Derived Fuel ☐ *Whole Tires* ☐ *Tire Derived Fuel*		☐ Primary ☐ Secondary	Sulfur: Chromium: Chlorine:	*(Btu/lb)*	
☐ Bagasse		☐ Primary ☐ Secondary	Ash: Moisture:	*(Btu/lb)*	
☐ Solid Waste *		☐ Primary ☐ Secondary	: :	*(Btu/lb)*	
☐ Other *(specify)*:		☐ Primary ☐ Secondary	: :	*(Btu/lb)*	

*RCRA alpha-numeric codes for Special or Hazardous Waste to be Burned:

PART E: Fuel Consumption Limitations

Use the space provided to specify any fuel consumption limitations that are acceptable for the combustion unit.

OAQ PROCESS INFORMATION APPLICATION
PI-02G: Combustion – Emission Factors

State Form 52541 (R2 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
www.IN.gov/idem

NOTES:

- The purpose of this form is to specify the emission factors used to calculate potential to emit from the combustion unit.
- Complete one PI-02G form for each emissions unit. If there are multiple emission units that are identical in nature, capacity, and use, you may use one PI-02G form to summarize the units.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for anyone to inspect and photocopy.

Emission Factors

This table identifies all emission factors used to calculate air emissions from the combustion unit.

1. Unit ID: DG-3 See attached emissions calculations

2. Air Pollutant:	**3. Emission Factor**		**4. Source of Emission Factor** *(if not using AP-42, include calculations)*		
	value	*units*			
Carbon Monoxide (CO)			☐ AP-42	☐ Other	☐ N/A
Lead (Pb)			☐ AP-42	☐ Other	☐ N/A
Hazardous Air Pollutant (HAP) *(specify)*:			☐ AP-42	☐ Other	☐ N/A
Nitrogen Oxides (NO_X)			☐ AP-42	☐ Other	☐ N/A
Mercury (Hg)			☐ AP-42	☐ Other	☐ N/A
Particulate Matter (PM)			☐ AP-42	☐ Other	☐ N/A
Particulate Matter less than 10μm (PM_{10})			☐ AP-42	☐ Other	☐ N/A
Particulate Matter less than 2.5μm ($PM_{2.5}$)			☐ AP-42	☐ Other	☐ N/A
Sulfur Dioxide (SO_2)			☐ AP-42	☐ Other	☐ N/A
Volatile Organic Compounds (VOC)			☐ AP-42	☐ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	☐ N/A
Other *(specify)*:			☐ AP-42	☐ Other	☐ N/A

This space was intentionally left blank.

ATTACHMENT B
Emission Calculations and Specifications

Emergency Generators

Company Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, IN 46628
Permit Number 141-46329-00172
Reviewer:

Diesel-Fired Emergency Generator Emissions
Cummins 450DFEJ Emergency Diesel Generator

Project Design 1 engine DG-3

Maximum Power	755	bhp	4.12 MMBtu/hr
Maximum Fuel Input	0.030	1000 gal/hr per engine	Cummins 450DFEJ
Maximum Operating Hours for an Emergency Engine[6]	500	hours/year	

Criteria Pollutant Operating Emissions for Engine

	Potential Emissions (PTE)				
	Emission			Potential to Emit	
Pollutant	Factor	unit	Reference	lbs/hour	tons/year
CO	0.35	g/bhp-hr	1	0.58	0.15
NO_x	4.00	g/bhp-hr	1	6.66	1.66
PM_{10}	0.02	g/bhp-hr	1	0.03	0.01
$PM_{2.5}$	0.02	g/bhp-hr	1	0.03	0.01
SO_2	0.006	g/bhp-hr	3	0.01	0.00
VOC	0.12	g/bhp-hr	1	0.20	0.05
GHGs:					
Methane	0.165	lb/MMBtu	2	0.68	0.17
CO_2	163.052	lb/MMBtu	2	672.38	168.09
N_2O	3.94E-01	lb/MMBtu	2	1.63	0.41
CO_2e				675	169

Notes:

1) Cummins Exhaust Emission Data, EPA Tier 2. (Full Standby) for 500DFEJ.

2) GHG EF from 40 CFR Part 98, Subpart C. CO_2e EF calculated based on Global Warming Potential (GWP) as follows:

GHG Pollutant	**GWP**	**Mass EF**		**Mass EF**		**CO_2e EF**	
CO_2	1	73.96	kg/MMBtu	163.05	lb/MMBtu	163.05	lb/MMBtu
CH_4	25	3.00E-03	kg/MMBtu	6.61E-03	lb/MMBtu	1.65E-01	lb/MMBtu
N2O	298	6.00E-04	kg/MMBtu	1.32E-03	lb/MMBtu	3.94E-01	lb/MMBtu
CO_2e	---	---		---		163.61	lb/MMBtu

Conversion factor: 2.2046 lb/kg

3) SO_2 emission factor is 0.00809 * S (where S is the % sulfur in fuel oil). Emission calculations include sulfur content of 15 PPM or 0.0015 wt %

4) Engines will only be used in emergency situations

5) The emergency engine is subject to the EPA September 6, 1995, "Calculating Potential to Emit (PTE) for Emergency Generators" memorandum from John Seitz to the Directors of EPA Regions I-X. Therefore, maximum potential emissions are based on 500 hours per year.

Emergency Generators

Company Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, IN 46628
Permit Number 141-46329-00172
Reviewer:

Cummins 450DFEJ Emergency Diesel Generator

Project Design 1 engine

Maximum Power	755 bhp	4.12 MMBtu/hr
Maximum Heat Input	0.030 1000 gal/hr	
Maximum Operating Hours for an Emergency Engine[3]	500 hours/year	

Hazardous Air Pollutant Operating Emissions

			Potential Emissions (PTE)	
			Potential to Emit	
Pollutant	Emission Factor	Reference	lbs/hour	tons/year
Benzene	7.76E-04 lb/MMBtu	1	0.003	0.001
Toluene	2.81E-04 lb/MMBtu	1	0.001	0.00029
Xylenes	1.93E-04 lb/MMBtu	1	0.001	0.00020
Formaldehyde	7.89E-05 lb/MMBtu	1	0.00033	0.00008
Acetaldehyde	2.52E-05 lb/MMBtu	1	0.00010	0.00003
Acrolein	7.88E-06 lb/MMBtu	1	0.00003	0.00001
Naphthalene	1.30E-04 lb/MMBtu	1	0.001	0.00013

Total Federal HAPs	0.0062	0.0015
Maximum Single Federal HAP (Benzene)	0.0032	0.0008

Notes:

1) Emission Factors from US EPA AP-42 Table 3.4-3 & 3.4-4 (Oct 1996).

2) Engines will only be used in emergency situations

3) The emergency engine is subject to the EPA September 6, 1995, "Calculating Potential to Emit (PTE) for Emergency Generators" memorandum from John Seitz to the Directors of EPA Regions I-X. Therefore, maximum potential emissions are based on 500 hours per year.

Exhaust Emission Data Sheet
450DFEJ
60 Hz Diesel Generator Set
EPA NSPS Stationary Emergency

Engine Information:

Model:	Cummins Inc. QSX15-G9 NR 2	Bore:	5.39 in. (137 mm)
Nameplate BHP @ 1800 RPM:	755	Stroke:	6.65 in. (169 mm)
Type:	4 cycle, in-line, 6 cylinder diesel	Displacement:	912 cu. in. (14.9 liters)
Aspiration:	Turbocharged with air-to-air charge air cooling		
Compression Ratio:	17:1		
Emission Control Device:	Turbocharged with charge air-cooled		

Performance Data	1/4 Standby	1/2 Standby	3/4 Standby	Full Standby	Full Prime
Engine HP @ Stated Load (1800 RPM)	185	344	502	661	605
Fuel Consumption (gal/Hr)	10.6	17.4	23.6	30.3	28.0
Exhaust Gas Flow (CFM)	1360	2000	2605	3110	2920
Exhaust Gas Temperature (°F)	735	820	810	865	825
Exhaust Emission Data					
HC (Total Unburned Hydrocarbons)	0.22	0.08	0.06	0.12	0.11
NOx (Oxides of Nitrogen as NO_2)	2.97	3.31	4.20	4.00	3.66
CO (Carbon Monoxide)	0.52	0.31	0.37	0.35	0.32
PM (Particulate Matter)	0.08	0.05	0.04	0.02	0.02
Smoke (Pierburg)	0.47	0.40	0.38	0.19	0.18

All values (except smoke) are cited: g/BHP-hr

Test Methods and Conditions

Steady-state emissions recorded per ISO8178-1 during operation at rated engine speed (+/- 2%) and stated constant load (+/- 2%) with engine temperatures, pressures and emission rated stabilized.

Fuel specification:	40-48 Cetane Number, 0.05 Wt.% max. Sulfur; Reference ISO8178-5, 40CFR86.1313-98 Type 2-D and ASTM D975 No. 2-D.
Air Inlet Temperature:	25 °C (77 °F)
Fuel Inlet Temperature:	40 °C (104 °F)
Barometric Pressure:	100 kPa (29.53 in Hg)
Humidity:	10.7 g/kg (75 grains H_2O/lb) of dry air (required for NOx correction)
Intake Restriction:	Set to maximum allowable limit for clean filter
Exhaust Back Pressure:	Set to maximum allowable limit

Data was taken from a single engine test according to the test methods, fuel specification and reference conditions stated above and is subjected to instrumentation and engine-to-engine variability. Tests conducted with alternate test methods, instrumentation, fuel or reference conditions can yield different results.

ATTACHMENT C
Proposed Permit Mark-ups

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

Honeywell International, Inc.
3520 Westmoor Street
South Bend, Indiana 46628

(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.

Operation Permit No.: T141-44983-00172 Master Agency Interest ID: 11850	
Original Signed\Issued by: Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 21, 2022 Expiration Date: October 21, 2027

Administrative Amendment No.: 141-46192-00172 issued on January 24, 2023

Significant Permit Modification No.: 141-46329-00172	
Issued by: Brian Williams, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 6, 2023 Expiration Date: October 21, 2027

TABLE OF CONTENTS

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.4 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(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aircraft landing systems manufacturing operation.

Source Address:	3520 Westmoor Street, South Bend, Indiana 46628
General Source Phone Number:	574-231-3000
SIC Code:	3728 (Aircraft Parts and Auxiliary Equipment, Not Elsewhere Classified) 3724 (Aircraft Engines and Engine Parts)
County Location:	St Joseph
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

(a) Four (4) electric Char Furnaces, identified as No. 1 through No. 4, construction dates are as follows: No. 1, 1989; No. 2, 1985; No. 3, 1986; and No. 4, 1987. The char furnaces have a maximum capacity of 137.5 tons of disks per year each, with volatile organic compound emissions controlled by thermal oxidizers. Char furnaces 1 and 2 are controlled by thermal oxidizer 411 and exhaust through stack 411. Char furnaces 3 and 4 are controlled by thermal oxidizer 407 and exhaust through stack 407

(b) Two (2) Regenerative Thermal Oxidizers, identified as 407 and 411. Each thermal oxidizer has a maximum heat input capacity of 3.0 MMBtu per hour, exhausting to stacks 407 and 411, respectively.

(c) Twenty-five (25) Chemical Vapor Deposition (CVD) units, also known as carbon vapor deposition units, identified as CVD-3 through CVD-27, construction dates are as follows: CVD 3, 1985; CVD 4, 1988; CVD 5, 1989; CVDs 6 and 7, 1990; CVDs 8 and 9, 1991; CVDs 10 and 11, 1992; CVDs 12 and 13, 1993; CVDs 14 through 21, 1995-2000; CVDs 22 and 23, 2000; CVDs 24 and 25, 2006; CVDs 26 and 27, 2012. Each unit has an estimated batch capacity of 8,800 pounds (initial weight) of brakes for random fiber process or 5,300 pounds (initial weight) of brakes for non-woven process. Each CVD has a nominal total reactant gas flow of 2,000 scf per soak hour for random fiber process or a nominal total reactant gas flow of 4,200 scf per soak hour for non-woven fiber process. Each unit is controlled by enclosed flares, and each unit exhausts through stacks S-FL-3 through S-FL-27, respectively.

(d) Twenty-five (25) enclosed flares, identified as FL3 through FL-27. The flares control the soak phase VOC emissions from CVD units 3-27, each having a rated capacity of 5.5 MMBtu per hour, natural gas pilot, and exhausting through stacks S-FL-3 through S-FL-27, respectively.

(e) Friction Material grinding and sanding units, including:

(1) Seven (7) carbon machining units, all controlled by dust collector DC-CM-1, and exhausting to stack SV-CM-1.

(A) Five (5) SNC 86 Makino Machines, identified as SNC86-1, SNC86-2, SNC86-3, SNC86-4, and SNC86-5.

(B) One (1) A88 Makino Machine, identified as A88-1

(C) One (1) Vertical Okuma Machine, identified as VO-1

(2) Seven (7) carbon machining units, all controlled by dust collector DC-CM-2 and exhausting to stack SV-CM-2.

(A) One (1) Horizontal Okuma Machine, identified as HO-1

(B) One (1) Pratt & Whitney Grinder, identified as P&WG-1

(C) One (1) Gardner Grinder, identified as GG-1

(D) One (1) AEM Grinder, identified as AEMG-1

(E) One (1) Detroit Grinder, identified as DEG-1, constructed in 2012

(F) One (1) Horizontal Okuma carbon machining unit, identified as HO-2, constructed in 2010, with a maximum throughput of 58 pounds per hour.

(G) One (1) Okuma carbon machining unit, identified as O-13, constructed in 2017, with a maximum capacity of 12.5 parts per hour and 172.5 pounds of parts per hour.

(f) One (1) brake rework plastic bead blasting unit, identified as BR-1, approved in 2011 for construction, with a maximum throughput of 270 pounds of sand per hour, using a dust collector identified as DC-BR-1 as control, and exhausting to stack SV-BR-1.

(g) One (1) Okuma #17 Brass Dry Machining operation, identified as BM-1, constructed in 2007, using dust collectors as control, and exhausting inside.

(h) One (1) Makino #15 Brass Dry Machining operation, , identified as BM-2, constructed in 1990, using dust collectors as control, and exhausting inside.

(i) Two (2) Binks Paint Booths, identified as BPB-1 & BPB-2, installed in 1987, using HVLP spray guns with an electric powered IR curing oven, controlled by 3-stage HEPA filters, and exhausting through stacks SBPB-1 & SBPB-2.

[Under 40 CFR 63, Subpart GG, these units are considered affected facilities.]

(j) One (1) PSA unit, used for hydrocarbon composition control from the incoming natural gas stream, with a maximum capacity of 10 acfm, with emissions being controlled by an enclosed flare at an overall control efficiency of no less than ninety-eight percent (98%).

(k) Cermet Production processes with an overall nominal production capacity of 1,600 lbs/hr including the following:

(1) One (1) Mix Room comprised of:

(A) One (1) Mix Hood, approved in 2020 for construction, using dust collector DFE 3-12 as control, and exhausting to stack DFE 3-12.

(B) Two (2) mixers, identified as 13-24 and 13-25, approved in 2020 for construction, with a maximum capacity of 800 pounds per batch, each, using dust collector DFE 3-12 as control, and exhausting to stack DFE 3-12.

(C) One (1) mixer, identified as 13-12, approved in 2020 for construction, with a maximum capacity of 400 pounds per batch, using dust collector DFE 3-12 as control, and exhausting to stack DFE 3-12.

(D) One (1) R&D Mixer, identified as 13-45, approved in 2020 for construction, with a maximum capacity of 50 pounds per batch, using dust collector DFE 3-12, and exhausting to stack DFE 3-12.

(2) Press Operations, comprised of:

(A) Two (2) Manual Preform Presses, identified as 15-50 and 15-35, approved in 2020 for construction, using dust collectors 21-179 and 21-178 as control, respectively, and exhausting internally.

(B) One (1) Automatic Preform Press, identified as 15-77, approved in 2020 for construction, using dust collector 21-176 as control, and exhausting internally.

(C) Three (3) Manual Danly Presses, identified as 15-61, 15-14, and 15-17, approved in 2020 for construction, using dust collector 21-183 as control, and exhausting internally.

(D) One (1) Automatic Danly Press, identified as 15-36, approved in 2020 for construction, using dust collector 21-177 as control, and exhausting internally.

(E) One (1) Danly Press, identified as 15-48, approved in 2020 for construction, with no emissions.

(3) Two (2) electric sintering furnaces, identified as 23-18 and 23-19, approved in 2020 for construction, using dust collectors 21-180 and 21-174 as control, respectively, and exhausting to the atmosphere.

(4) One (1) non-contact cooling tower, approved in 2020 for construction, with a recirculation rate of 225 gallons per minute.

(5) One (1) manual wet grinder, identified as 6-72, approved in 2020 for construction, with a mist collector to capture oil mist.

(6) One (1) automatic wet grinder, identified as 6-80, approved in 2020 for construction, with a mist collector to capture oil mist.

(7) Three (3) maintenance surface grinders, approved in 2020 for construction, with a mist collector to capture oil mist.

(8) One (1) QA Lab

(9) One (1) voluntary central vacuum system for cleaning

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

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

(a) Boilers using natural gas with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(1) Seven (7) natural gas-fired boilers with a total heat input capacity of 18.254 MMBtu/hr identified as:

(A) B-1, constructed in 1986, with a maximum rated capacity of 0.9 MMBtu/hr.

(B) B-2, constructed in 1986, with a maximum rated capacity of 0.75 MMBtu/hr.

(C) B-22, constructed in 1991, with a maximum rated capacity of 1.5 MMBtu/hr.

(D) B-21, constructed in 1991, with a maximum rated capacity of 1.5 MMBtu/hr.

(E) B-32, constructed in 1986, with a maximum rated capacity of 1.05 MMBtu/hr.

(F) B-2 East, approved for construction in 1994, with a maximum capacity of 6.277 MMBtu/hr.

(G) B-1 West, approved for construction in 1994, with a maximum rated capacity of 6.277 MMBtu/hr.

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

(c) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors or electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.

(1) One (1) Machine Shop located in Plant 25, constructed in 2009, consisting of a drill press, band saws, sanders, and grinders, controlled by a Dust Hog, and exhausting through Stack SV-P25.

(d) The following emission units or activities with a potential uncontrolled emission rate for particulate matter with an aerometric diameter less than or equal to ten (10) microns (PM10) of less than or equal to five (5) pounds per hour or twenty-five (25) pounds per day.

(1) One (1) die cutter operation, identified as DCR, with a maximum capacity of 60 pounds per hour, installed in 1991. The die cutter machine is controlled by a cartridge dust collector, identified as DC-1, and exhausts through stack DC-CJ-1.

(2) One (1) El Dynamometer, identified as EID, installed in 1989, controlled by two (2) fabric filter dust collectors, identified as DC-305 and DC-307, and exhausting through stacks S-305 and S-307.

(3) Ten (10) Burr Benches each controlled by a dust collector, and venting inside the

building. They are identified as the following:

(A) Torque Tube Burr Bench, identified as TTBB-1

(B) NW Burr Bench Cell, identified as NWBBC-1

(C) Outboard Cell Burr Bench, identified as OCBB-1

(D) NDT Burr Bench, identified as NDTBB-1

(E) Piston Housing Cell Burr Bench, identified as PHCBB-1

(F) Torque Tube Rough Deburr, identified as TTRDB-1

(G) Inboard Deburr Bench, identified as IDB-1, constructed in 2010

(H) Deburr Machine #8, identified as DM-8, constructed in 2009

(I) Magnahelic Room Burr Bench, identified as MRBB-1, constructed in 2002

(J) Burr Bench, identified as CD-1, constructed in 2020

(4) One (1) "Shaft" Brake Test Dynamometer, identified as SBD-1, installed in 1978, this shaft dynamometer is vented directly to the atmosphere through two (2) vents in the roof to remove heat and any potential emissions.

(5) One (1) Wheelabrator plastic bead blasting operation, identified as WPBB-1, with a maximum throughput less than 100 pounds per hour of plastic media blast, controlled by a rotoclone, and exhausting outside the building.

(6) One (1) Tumble Blast abrasive blasting unit, identified as TB-1, unit controlled by a dust collector, DC-TB-1, venting inside the building.

(7) Three (3) Shot Peening units including:

(A) One (1) PTI Shot Peener, identified as PTI Peen-1, installed in 2009, controlled by DC-PTI-1, and is vented inside the building.

(B) One (1) North Shot Peening unit, identified as NSP-1, controlled by dust collector DC-NSP-1, and vented inside the building.

(C) One (1) South Shot Peening unit, identified as SSP-1, controlled by dust collector DC-SSP-1, and vented inside the building.

(8) Three (3) uncontrolled brake dynamometers

(A) One (1) 120 MI Top Side Brake Dyno, identified as TSBD-1, installed in 1943, uncontrolled.

(B) One (1) Adamson 84 Brake Dyno, identified as A84-1, installed in 1943, uncontrolled.

(C) One (1) FPTM Shaft Brake Dyno, identified as FPTM-1, installed in 1992, uncontrolled.

(9) Two (2) uncontrolled tire dynamometers.

(A) One (1) 96 Roll Dyno, identified as 96RD-1, installed in 1943, uncontrolled.

(B) One (1) 120 Roll Dyno, identified as 120RD-1, installed in 1950, uncontrolled.

(10) One (1) Scatblast plastic bead blaster, identified as SPBB-1, installed in 1998, controlled by a cartridge filter, exhausting to DC-SPBB-1, and venting indoors.

(11) One (1) MI-2 Brake Dyno, identified as MI-2, installed in 1998, uncontrolled.

(12) One (1) 150K Roll Dyno, identified as 150KRD-1, installed in 1994, uncontrolled.

(13) One (1) Trinco Dry Blast abrasive blasting unit, identified as TDB-1, installed in 1993, unit controlled by a dust collector, DC-TDB-1, venting inside the building.

(14) One (1) Vapor Blast Model 2820 abrasive blasting unit, identified as VB2820-1, installed in 1988, unit controlled by a dust collector, DC-VB2820-1, venting inside the building.

(15) One (1) cold jet booth, identified as CJ-1, constructed in 2013, for cleaning the chemical vapor deposition units, with a maximum capacity of 26 cleaning cycles per year, using a fabric filter dust collector DC-1 as control, and exhausting to stack S-1.

(16) One (1) Anti-Oxidation spray booth, identified as AO, permitted in 2014, using HVLP spray technology and controlled by dry filters, and exhausting through Stack SB-AO.

(17) Two (2) CNC Machines, identified as CNC-1 and CNC-2, located in Plant 12, approved for construction in 2021, each controlled by an oil mist collector, and exhausting internally.

(e) A gasoline dispensing operation, having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons, and dispensing less than or equal to one thousand three hundred (1,300) gallons per day.

(1) One (1) double-walled 500-gallon capacity gasoline tank, identified as GAS-1, installed in 2006.

[Under 40 CFR 63, Subpart CCCCCC, this unit is considered an affected facility.]

(f) Twenty-eight (28) Anodizing Line storage tanks, including one (1) temporary substitute tank, identified as Tank 18, with constituents from other baths, collectively identified as Anodizing, installed in 1968.

[Under 40 CFR 63, Subpart WWWWWW, this unit is considered an affected facility.]

(g) Activities associated with emergencies, including emergency generators as follows:

~~(1) One emergency (1) diesel-fired generator, identified as DG-1, with a maximum capacity of 535 bhp, installed in 2003.~~

~~[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]~~

~~(2) One (1) emergency natural gas-fired generator, identified as NG-1, with a maximum capacity of 40 hp, installed in 1977.~~

~~[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]~~

~~(3)~~(1) One (1) emergency natural gas-fired generator, identified as NG-2, with a maximum capacity of 215 hp, installed in 2004.

[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(4)~~(2) One (1) emergency natural gas-fired generator, identified as EMGEN-1, with a maximum capacity of 60 hp, manufactured and installed in 2012.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(5)~~(3) One (1) emergency natural gas-fired generator, identified as EMGEN-2, with a maximum capacity of 48 hp, manufactured and installed in 2014.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(6)~~(4) One (1) diesel-fired emergency ~~generator~~fire pump, identified as DG-2, approved in 2018 for construction, with a maximum capacity of 140 HP and one (1) diesel-fired emergency generator, identified as DG-3, approved in 2024 for construction, with a maximum capacity of 755 HP.

[Under 40 CFR 60, Subpart IIII, this unit is considered an affected facility.]
[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.]

(h) Noncontact cooling tower systems with either natural draft cooling towers not regulated under a NESHAP, or forced and induced draft cooling tower systems not regulated under a NESHAP.

(i) Pursuant to 326 IAC 2-7-1(41)(H), trivial activities performed using hand-held equipment, including: application of hot melt adhesives with no VOC in the adhesive formulation; buffing; carving; cutting, excluding cutting torches; drilling; grinding; machining wood, metal, or plastic; polishing; routing; sanding; sawing; surface grinding; and turning wood, metal, or plastic.

(j) Various space heaters and process heaters using natural gas each with a heat input capacity less than or equal to 10 MMBtu/hr.

(k) Fire Water Heater, with a maximum capacity of 0.72 MMBtu/hr.

(l) Two (2) Plant 4 Midway Bathroom Water Heaters, constructed in 2011, with a maximum rated capacity of 0.20 MMBtu/hr, each.

(m) Cafeteria Water Heater #20, with a maximum rated capacity of 0.085 MMBtu/hr.

(n) Friction Materials Production processes with an overall nominal production capacity of 125 lbs/hour including the following:

(1) Eight (8) electric Preheat Ovens, identified as PreHeat Oven 4 & 10-12, AO Room Preheat 1 & 2, Auto AO Room Preheat, and Binary Room Preheat.

(2) Four (4) Devolitization / Post Cure Ovens, identified as Devols 1 - 4, all installed in 1987 and identified in 2012 for use as Post Cure Ovens.

(3) Two (2) Auto Pre-Form ovens, identified as APM-1 & APM-2, constructed in 1990, APM-1 exhausts through stack S-5 and APM-2 is controlled by a fabric filter dust collector, identified as DC-4, exhausting through stack S-4.

(4) Mold presses, identified as Mold Presses 1 - 12 and15, with the following installation dates: Mold Presses 7 & 8 installed in 1988, Mold Presses 9 & 10 installed in 1989, Mold

Presses 11 & 12 installed in 1990, and Mold Press 15 installed in 2011.

(5) Eight (8) Post Cure ovens, identified as Post Cure 5 - 9, 11, 13 and 14, with installation dates as follows: Post Cures 5 - 7 installed in 1987, Post Cures 8 & 9 installed in 1991, Post Cure 11 installed in 2013 and Post Cures 13 and 14 installed in 2014.

(6) An RTM injection molding machine, installed in 2009.

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

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

(o) One (1) double-walled 500-gallon diesel tank, installed in 2006, identified as DIESEL-1.

(p) Four (4) 6,000-gallon capacity storage tanks containing Stoddard solvent, JP8, blended fuel. These fuels are not burned, but utilized as a calibration fluid for R & D.

(q) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(1) Fifty (50) day tanks containing Stoddard solvent, JP8, blended fuel, that range from 250 - 300-gallon maximum capacity. They are used in the calibration procedure for R & D. Only approximately 30 are filled at any one time.

(r) Machining where an aqueous cutting coolant continuously floods the machining interface.

(s) Cleaners and solvents characterized as follows:

(1) Having a vapor pressure equal to or less than 2kPa; 15mm Hg; or 0.3 psi measure at 38 degrees C (100° F); or

(2) Having a vapor pressure equal to or less than 0.7kPa; 5mm Hg; or 0.1 psi measured at 20 degrees C (68° F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(t) Closed loop heating and cooling systems.

(u) Quenching operations used with heat treating processes.

(v) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(w) Paved roads and parking lots with public access. [326 IAC 6-4]

(x) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(y) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38 degrees C.

(z) A laboratory (including appropriate support activities) as defined in 326 IAC 2-7-1(21)(G). The laboratory(s) include but are limited to the following:

(1) A materials lab.

(2) Laboratory oven and press exhaust.

(aa) Acid etch operation (in Anodizing Line). The batch utilizes nitric acid to etch aluminum parts. Ammonium biflouride is added to the batch.

(bb) Two (2) electric heat treat furnaces (ID Nos. HTT15 and HTT16), each with a maximum capacity of 13.35 pounds per hour of carbon, exhausting through stacks SV-HTT-15 and SV-HTT-16.

(cc) Nine (9) HTT 'Pots' (Induction Heat Treat furnaces) ducted through two (2) external discharge stacks.

(dd) Two (2) densification tanks, identified as Dense Line Tanks 1 & 5, installed in 1991, where disks for limited special applications are treated at ambient temperature in tanks containing solutions of furfural and furfuryl alcohol and phthalic anhydride which impregnate the disk. The disks are then placed into baths of sulfuric acid and tetra ethylene glycol which cures the coating.

(ee) One (1) Zyglo penetrant spray application line, identified as Zyglo Line, installed prior to 1990, with a maximum usage rate of 0.07 gal/hr, controlled by a fabric filter dust collector, exhausting inside the building.

(ff) Research and Development Activities (including support activities) as defined in 326 IAC 2-7-1(21)(H) which include but are not limited to:

(1) A 5 ft. CVD unit.

(2) One (1) SECO Box Furnace (research char furnace)

(3) One (1) Bead Blast Unit

(gg) Production testing - Plant 14 - calibration of aircraft fuel controls.

(hh) Test cell area sources - Plant 19 - engineer, calibrate and test aircraft fuel systems.

(ii) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(jj) Water-related activities, including the following:

(1) Steam traps, vents, leaks, and safety relief valves.

(2) The production of hot water for on-site personal use not related to any industrial or production process.

(kk) Electric or steam heated drying ovens and autoclaves, including only the heating emissions and not any associated process emissions.

(ll) Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment, or vehicles at the source where air emissions from those activities would not be associated with any commercial production process, including the following: Brazing, soldering and welding operations and associated equipment.

(mm) One (1) electric Huppert Furnace, exhausting externally.

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 (Applicability) 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, T141-44983-00172, 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][IC 13-17-12]

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

B.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. 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) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

and

United States Environmental Protection Agency, Region 5
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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.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 or Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

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

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

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

The notice fulfills the requirement of 326 IAC 2-7-5(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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 T141-44983-00172 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 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 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the

requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.16 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(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

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

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.18 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 or notice 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.19 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) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region 5
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)(1) and (c)(1). 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) and (c)(1).

(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(37)) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.

(f) This condition does not apply to emission trades of SO_2 or NO_X under 326 IAC 21.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 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.22 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.23 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 317-233-8590 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 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 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.2 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.3 Incineration [326 IAC 4-2][326 IAC 9-1-2]

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.5 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(c).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.7 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.8 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]

(a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(d) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.9 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. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.10 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 maintain the most recently submitted 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.11 Risk Management Plan [326 IAC 2-7-5(11)][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.12 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8][326 IAC 2-7-5][326 IAC 2-7-6]

(l) Upon detecting an excursion where a response step is required by the D Section, or an exceedance of a limitation, not subject to CAM, in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

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

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

(II)

(a) CAM *Response to excursions or exceedances.*

(1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the 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. 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). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or 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.

(2) 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, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(b) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the

necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(c) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a Quality Improvement Plan (QIP). The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

(d) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).

(e) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(f) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(a)(2) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(g) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

(h) *CAM recordkeeping requirements.*

(1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(c) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

(2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements

C.13 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 submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

C.14 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]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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(33) ("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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.15 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. Support information includes the following, where applicable:

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.

(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

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

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11] [40 CFR 64][326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

(b) The address for report submittal is:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Four (4) electric Char Furnaces, identified as No. 1 through No. 4, construction dates are as follows: No. 1, 1989; No. 2, 1985; No. 3, 1986; and No. 4, 1987. The char furnaces have a maximum capacity of 137.5 tons of disks per year each, with volatile organic compound emissions controlled by thermal oxidizers. Char furnaces 1 and 2 are controlled by thermal oxidizer 411 and exhaust through stack 411. Char furnaces 3 and 4 are controlled by thermal oxidizer 407 and exhaust through stack 407

(b) Two (2) Regenerative Thermal Oxidizers, identified as 407 and 411. Each thermal oxidizer has a maximum heat input capacity of 3.0 MMBtu per hour, exhausting to stacks 407 and 411, respectively.

(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.1.1 Best Available Control Technology (BACT) - VOC [326 IAC 8-1-6][326 IAC 2-3]

Pursuant to SPM 141-22380-00172 and 326 IAC 8-1-6 (Best Available Control Technology (BACT) requirements) and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(a) The VOC emissions from thermal oxidizer 411 (controlling Char Furnaces 1 and 2) shall not exceed 1.2 pounds per hour.

(b) The VOC emissions from thermal oxidizer 407 (controlling Char Furnaces 3 and 4) shall not exceed 1.2 pounds per hour.

D.1.2 Hazardous Air Pollutant (HAP) Minor Limit [40 CFR 63]

In order to assure this source is an area source of HAPs under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:

(a) Phenol emissions from thermal oxidizer 411 (controlling Char Furnaces 1 and 2) shall not exceed 0.38 pounds per hour.

(b) Cresol emissions from thermal oxidizer 411 (controlling Char Furnaces 1 and 2) shall not exceed 0.38 pounds per hour.

(c) Phenol emissions from thermal oxidizer 407 (controlling Char Furnaces 3 and 4) shall not exceed 0.38 pounds per hour.

(d) Cresol emissions from thermal oxidizer 407 (controlling Char Furnaces 3 and 4) shall not exceed 0.38 pounds per hour.

(e) Total HAP emissions from thermal oxidizer 411 (controlling Char Furnaces 1 and 2) shall not exceed 0.4 pounds per hour.

(f) Total HAP emissions from thermal oxidizer 407 (controlling Char Furnaces 3 and 4) shall not exceed 0.4 pounds per hour.

(g) The total operating hours from each Char Furnace (1 and 2) shall not exceed 6,600 hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

(h) The total operating hours from each Char Furnace (3 and 4) shall not exceed 6,600 hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at the source, shall limit HAP emissions from the entire source to less than ten (10) tons for any single HAP and twenty-five (25) tons for any combination of HAPS per year and shall render this source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

D.1.3 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from thermal oxidizer 411 (controlling Char Furnaces 1 and 2) and thermal oxidizer 407 (controlling Char Furnaces 3 and 4) shall each not exceed 0.03 grains per dry standard cubic foot (dscf).

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.1.5 VOC and HAPs Control

In order to assure compliance with Conditions D.1,1 and D.1.2, thermal oxidizer 411 and/or thermal oxidizer 407 for VOC and HAPs control shall be in operation and control emissions from Char Furnaces 1, 2, 3 and/or 4 at all times the Char Furnaces 1, 2, 3 and/or 4 is in operation.

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

(a) In order to demonstrate compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform VOC testing of from thermal oxidizer 411 (controlling Char Furnaces 1 and 2) and thermal oxidizer 407 (controlling Char Furnaces 3 and 4) utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration.

(b) In order to demonstrate compliance with Condition D.1.2, not later than 180 days of the end of the month in which it is determined that VOC emissions equal or exceed 1.75 tons for any twelve (12) consecutive month period for any one (1) thermal oxidizer, the Permittee shall perform outlet HAP testing on the two (2) thermal oxidizers controlling emissions from the char furnaces 1, 2, 3, and 4 (Step #1). Testing shall be done utilizing Method 18 or other methods approved by the Commissioner, for the HAP at the source that has the lowest destruction efficiency, as estimated by the manufacturer and approved by IDEM or using an estimation method approved by IDEM. If the VOC emissions equal or exceed 1.75 tons for any one (1) thermal oxidizer for any twelve (12) consecutive month period more than once in a period of 4.5 years, then a subsequent test shall be conducted not later than 5 years from the date of the last valid compliance demonstration (Step #2). If not later than 4.5 years after the second valid compliance demonstration the VOC emissions do not equal or exceed 1.75 tons for any one (1) thermal oxidizer for any twelve (12) consecutive month period, then the Permittee is not required to repeat outlet HAP testing until the VOC emissions equal or exceed 1.75 tons for any twelve (12) consecutive month period at which time the Permittee shall repeat Step #1. If not later than 4.5 years after the second valid compliance demonstration the

VOC emissions equal or exceed 1.75 tons for any one (1) thermal oxidizer for any twelve (12) consecutive month period, then the Permittee shall repeat Step #2.

(c) Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.1.7 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP)

(a) In order to assure the compliance status with Condition D.1.6(b), the following records shall be maintained at the end of each month for each Char furnace. This shall be based on the total volatile organic compound emitted for the previous month, and adding it to previous 11 months total VOC emitted so as to arrive at the VOC emission rate for 12 consecutive months period. The VOC emissions for a month can be arrived at using the following equation for VOC usage:

Char furnaces 1 & 2: VOC emitted$_{(UNIT\ i)}$ (ton/month) = 1.2 lb/hr (or a value determined by the latest IDEM approved stack test) x Char furnace 1 & 2 hours of operation per month (hr/mo) x 1 ton/2000 lb

Char furnaces 3 & 4: VOC emitted$_{(UNIT\ i)}$ (ton/month) = 1.2 lb/hr (or a value determined by the latest IDEM approved stack test) x Char furnaces 3 & 4 hours of operation per month (hr/mo) x 1 ton/2000 lb

VOC emitted (ton/year) = VOC emitted (ton/month) + VOC emitted (ton/previous 11 months)

(b) If the tested value (from the most recent IDEM approved stack test) of VOC is less than 0.53 lb/hr for char furnace 1 & 2, the Permittee does not need to perform the calculation in D.1.7(a) above, for char furnace 1 & 2.

(c) If the tested value of VOC is less than 0.53 lb/hr for char furnace 3 & 4, the Permittee does not need to perform the calculation in D.1.7(a) above, for char furnace 3 & 4.

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

D.1.8 Thermal Oxidizer/RTO Temperature

(a) A continuous monitoring system shall be calibrated, maintained, and operated on thermal oxidizer 411 and thermal oxidizer 407 for measuring operating temperature. For the purpose of this condition, continuous means no less often than once per fifteen (15) minutes. The temperature monitoring system shall be operated when the oxidizers are operating and the output of this system shall be recorded as 3-hour average.

(b) The Permittee shall determine the 3-hour average temperature from the latest valid stack test that demonstrates compliance with limits in Conditions D.1.1 and D.1.2.

(c) On and after the date the stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hour average temperature as observed during the latest compliant stack test.

(d) If the 3-hour average temperature falls below the above-mentioned 3-hour average temperature, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the response steps required by this condition. A 3-hour average temperature reading below the above-mentioned 3-hour average temperature is not a deviation from this permit. Failure to take response steps 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.1.9 Record Keeping Requirement

(a) To document the compliance status with Condition D.1.8, the Permittee shall maintain continuous temperature records for thermal oxidizer 411 and thermal oxidizer 407 and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test. The Permittee shall include in its continuous record when a temperature reading is not taken and the reason for the lack of a temperature reading, (e.g. the process did not operate that day, or the monitoring device was not functional).

(b) To document the compliance status with Condition D.1.2 the Permittee shall maintain records in accordance with (1) through (3) below for each Char furnace. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP limits established in Condition D.1.2

(1) Hours of operation on a monthly and annual basis.
(2) When the results of the most recent compliance demonstration are equal to or greater than 0.53 lb/hr, the VOC emissions for each and each compliance period or,
(3) Results of most recent IDEM approved stack test.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.1.10 Reporting Requirements

A quarterly report and a quarterly summary of the information to document the compliance status with Condition D.1.2 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(c) Twenty-five (25) Chemical Vapor Deposition (CVD) units, also known as carbon vapor deposition units, identified as CVD-3 through CVD-27, construction dates are as follows: CVD 3, 1985; CVD 4, 1988; CVD 5, 1989; CVDs 6 and 7, 1990; CVDs 8 and 9, 1991; CVDs 10 and 11, 1992; CVDs 12 and 13, 1993; CVDs 14 through 21, 1995-2000; CVDs 22 and 23, 2000; CVDs 24 and 25, 2006; CVDs 26 and 27, 2012. Each unit has an estimated batch capacity of 8,800 pounds (initial weight) of brakes for random fiber process or 5,300 pounds (initial weight) of brakes for non-woven process. Each CVD has a nominal total reactant gas flow of 2,000 scf per soak hour for random fiber process or a nominal total reactant gas flow of 4,200 scf per soak hour for non-woven fiber process. Each unit is controlled by enclosed flares, and each unit exhausts through stacks S-FL-3 through S-FL-27, respectively.

(d) Twenty-five (25) enclosed flares, identified as FL3 through FL-27. The flares control the soak phase VOC emissions from CVD units 3-27, each having a rated capacity of 5.5 MMBtu per hour, natural gas pilot, and exhausting through stacks S-FL-3 through S-FL-27, respectively.

(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.2.1 Best Available Control Technology (BACT) - VOC [326 IAC 8-1-6][326 IAC 2-3]

Pursuant to 326 IAC 8-1-6 (Best Available Control Technology (BACT) requirements), and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the Permittee shall comply with the following:

(a) Pursuant to SSM 141-13853-00172, issued on September 7, 2001, enclosed flares have been determined as BACT for control of the VOC emissions from CVD units 3-21 and shall achieve an overall control efficiency of 98% with a maximum VOC emission rate of 0.23 pounds of VOC per million British thermal units (MMBtu) of process gas combusted by the flares.

(b) Pursuant to SSM 141-11511-00172, issued on March 8, 2000, an enclosed flare has been determined as BACT for control of the VOC emissions from the CVD units 22-23 and shall achieve an overall destruction efficiency of ninety-eight percent (98%).

(c) Pursuant to SSM 141-22378-000172, issued on April 21, 2006, BACT for the two (2) CVD units, CVD-24 and CVD-25, has been determined to be the use of an enclosed flare at an overall control efficiency of no less than ninety-eight percent (98%).

(d) Pursuant to SSM 141-22378-000172, issued on April 21, 2006, the VOC emission rate from each of the two (2) CVD units, CVD-24 and CVD-25, shall be limited to 0.343 pounds per hour, including combustion emissions from the flare.

(e) Pursuant to SSM 141-31500-00172, issued in 2012, the VOC emissions from each of the two (2) CVD units, CVD-26 and CVD-27, SAF shall be controlled by an enclosed flare at an overall control efficiency of no less than ninety-eight percent (98%).

(f) Pursuant to SSM 141-31500-00172, issued in 2012, the volatile organic compound emissions from each of the two CVD units, CVD-26 and CVD-27, shall not exceed 0.31 pounds per hour, including combustion emissions from the flare.

D.2.2 Hazardous Air Pollutant (HAP) Minor Limit [40 CFR 63]

In order to assure this source is an area source of HAPs under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:

(a) Benzene emissions from each CVD unit flare shall not exceed.0.051 pounds per hour.

(b) Toluene emissions from each CVD unit flare shall not exceed.0.051 pounds per hour.

(c) Styrene emissions from each CVD unit flare shall not exceed.0.051 pounds per hour.

(d) Total HAP emissions from each CVD unit flare shall not exceed 0.065 pounds per hour.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at the source, shall limit HAP emissions from the entire source to less than ten (10) tons for any single HAP and twenty-five (25) tons for any combination of HAPS per year and shall render this source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

D.2.3 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the flares controlling CVD units 3 through 27, shall each not exceed 0.03 grains per dry standard cubic foot (dscf).

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.2.5 VOC and HAPs Control

In order to assure compliance with Conditions D.2.1 and D.2.2, each respective flare for VOC and HAP control shall be in operation and control emissions from exhaust process gas from the soak phase of each CVD unit's batch cycle at all times each CVD units is in operation.

D.2.6 Testing Requirements [326 IAC 2-1.1-11]

(a) In order to demonstrate compliance with Condition D.2.1 the Permittee shall perform VOC testing of five (5) of the CVD unit flares for overall control efficiency utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration.

(b) In order to demonstrate compliance with Condition D.2.2, not later than 180 days of the end of the month in which it is determined that VOC emissions equal or exceed 0.83 tons for any twelve (12) consecutive month period for any one (1) CVD unit flare, the Permittee shall perform inlet and outlet HAP testing on all CVD unit flares whose emissions equaled or exceeded 0.83 tons for any twelve consecutive month period (Step #1). Testing shall be done utilizing methods approved by the Commissioner for the HAP at the source that has the lowest destruction efficiency, as estimated by the manufacturer and approved by IDEM or using an estimation method approved by IDEM. If the VOC emissions equal or exceed 0.83 tons for any one (1) CVD unit flare for any twelve (12) consecutive month period more than once in a period of 4.5 years, then a subsequent test on five (5) different CVD unit flares shall be conducted not later than 5 years from the date of the last valid compliance demonstration (Step #2). If not later than 4.5 years after the second valid compliance demonstration the VOC emissions do not equal or exceed 0.83 tons for any one (1) CVD unit flare for any twelve (12) consecutive month period, then the Permittee is not required to repeat inlet and outlet HAP testing until the VOC emissions equal or exceed 0.83 tons for any twelve (12) consecutive month period at

which time the Permittee shall repeat Step #1. If not later than 4.5 years after the second valid compliance demonstration the VOC emissions equal or exceed 0.83 tons for any one (1) CVD unit flare for any twelve (12) consecutive month period, then the Permittee shall repeat Step #2.

(c) Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

D.2.7 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP)

(a) In order to assure the compliance status with Condition D.2.6(b), the following records shall be maintained at the end of each month for each CVD unit. This shall be based on the total volatile organic compound emitted for the previous month, and adding it to previous 11 months total VOC emitted so as to arrive at the VOC emission rate for 12 consecutive months period. The VOC emissions for a month can be arrived at using the following equation for VOC usage:

CVD-3 through CVD-23: VOC emitted$_{(UNIIT\ i)}$ (ton/month) = 0.31 lb/hr (or a value determined by the latest IDEM approved stack test) x CVD$_i$ hours of operation per month (hr/mo) x 1 ton/2000 lb

CVD-24: VOC emitted$_{(UNIIT\ i)}$ (ton/month) = 0.343 lb/hr (or a value determined by the latest IDEM approved stack test) x CVD-24 hours of operation per month (hr/mo) x 1 ton/2000 lb

CVD-25: VOC emitted$_{(UNIIT\ i)}$ (ton/month) = 0.343 lb/hr (or a value determined by the latest IDEM approved stack test) x CVD-25 hours of operation per month (hr/mo) x 1 ton/2000 lb

CVD-26: VOC emitted$_{(UNIIT\ i)}$ (ton/month) = 0.31 lb/hr (or a value determined by the latest IDEM approved stack test) x CVD-26 hours of operation per month (hr/mo) x 1 ton/2000 lb

CVD-27: VOC emitted$_{(UNIIT\ i)}$ (ton/month) = 0.31 lb/hr (or a value determined by the latest IDEM approved stack test) x CVD-27 hours of operation per month (hr/mo) x 1 ton/2000 lb

VOC emitted (ton/year) = VOC emitted (ton/month) + VOC emitted (ton/previous 11 months)

(b) If the highest tested value of VOC (from the most recent IDEM approved stack test) is less than 0.21 lb/hr, for each of the five units from the latest test cycle, the Permittee does not need to perform the calculation in D.2.7(a) above for any CVD unit.

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

D.2.8 Monitoring

(a) A thermocouple, UV flame detector or equivalent device shall be installed and operated to monitor the presence of a pilot flame for each flare and to sound an alarm when the pilot flame is not detected during the soak phase of the CVD.

(b) A continuous monitoring system shall be operated on each flare for measuring operating temperature whenever the CVD is in the soak phase. For the purpose of this condition, continuous means no less often than once per fifteen (15) minutes. The output of this system shall be recorded as a three (3) hour average.

(c) The Permittee shall determine the three (3) hour average temperature for compliance monitoring from the most recent valid stack test that demonstrates compliance with limits in Conditions D.2.1 and D.2.2.

(d) On and after the date the stack test results are available, the Permittee shall operate each flare at or above the highest minimum three (3) hour average temperature from the five flares as observed during the compliant stack tests.

(e) If the three (3) hour average temperature drops below that temperature observed during the compliant stack test, the Permittee shall take a reasonable response. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A temperature reading that is outside the above-mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

(f) Each enclosed flare shall have a pilot flame present and be operating at all times that its respective CVD unit is operating in the soak phase.

The absence of a pilot flame during the soak phase of a CVD unit or the failure to direct all exhaust process gas from the soak phase of a CVD unit through an enclosed flare shall not be a deviation from this permit provided the Permittee takes a reasonable response whenever a pilot flame is not detected, a valve malfunction, high exhaust gas pressure is detected, the flare velocity seal is not detected, the flare temperature is too high or too low or other conditions cause potential safety risks. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition.

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

D.2.9 Record Keeping Requirement

(a) To document the compliance status with Conditions D.2.1 and D.2.2, the Permittee shall maintain continuous temperature records for the flares controlling the CVD units and the 3-hour average temperature used to demonstrate compliance during the most recent compliant stack test. The Permittee shall include in its continuous record when the readings are not taken and the reason for the lack of the readings (e.g. the process did not operate that day, or the monitoring device was not functional).

(b) To document the compliance status with Condition D.2.2 the Permittee shall maintain records in accordance with (1) through (2) below for each CVD unit. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP limits established in Condition D.2.2

(1) VOC emissions for each month and each compliance period only if VOC emissions equal or exceed 0.21 lb/hr.

(2) Results of most recent IDEM approved stack test.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(i) Two (2) Binks Paint Booths, identified as BPB-1 & BPB-2, installed in 1987, using HVLP spray guns with an electric powered IR curing oven, controlled by 3-stage HEPA filters, and exhausting through stacks SBPB-1 & SBPB-2.

[Under 40 CFR 63, Subpart GG, these units are considered affected facilities.]

(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.3.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(h), particulate emissions from paint booths BPB-1 & BPB-2, shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.3.3 Particulate Control

In order to assure compliance with Condition D.3.1, dry filters for particulate control shall be in operation and control emissions from paint booths BPB-1 and/or BPB-2 at all times paint booths BPB-1 and/or BPB-2 are in operation.

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

D.3.4 Parametric Monitoring

Pursuant to 40 CFR 63.751(e)(5), the Permittee shall calibrate, maintain, and operate an automated dynamic pressure monitoring system to monitor the dynamic pressure in the exhaust duct work after the filter system for the paint booths. The pressure drop reading shall be recorded once per shift. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.3.5 Record Keeping Requirement

(a) To document the compliance status with Condition D.3.4, the Permittee maintain pressure drop readings from the automated dynamic pressure monitoring system once per shift. The Permittee shall include in its daily record when a pressure drop reading is not available and the reason for the lack of pressure drop reading (e.g. the process did not operate that day).

(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) Boilers using natural gas with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(1) Seven (7) natural gas-fired boilers with a total heat input capacity of 18.254 MMBtu/hr identified as:

(A) B-1, constructed in 1986, with a maximum rated capacity of 0.9 MMBtu/hr.

(B) B-2, constructed in 1986, with a maximum rated capacity of 0.75 MMBtu/hr.

(C) B-22, constructed in 1991, with a maximum rated capacity of 1.5 MMBtu/hr.

(D) B-21, constructed in 1991, with a maximum rated capacity of 1.5 MMBtu/hr.

(E) B-32, constructed in 1986, with a maximum rated capacity of 1.05 MMBtu/hr.

(F) B-2 East, approved for construction in 1994, with a maximum capacity of 6.277 MMBtu/hr.

(G) B-1 West, approved for construction in 1994, with a maximum rated capacity of 6.277 MMBtu/hr.

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

(g) Activities associated with emergencies, including emergency generators as follows:

~~(1) One emergency (1) diesel-fired generator, identified as DG-1, with a maximum capacity of 535 bhp, installed in 2003.~~

~~[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]~~

~~(2) One (1) emergency natural gas-fired generator, identified as NG-1, with a maximum capacity of 40 hp, installed in 1977.~~

~~[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]~~

~~(3)~~(1) One (1) emergency natural gas-fired generator, identified as NG-2, with a maximum capacity of 215 hp, installed in 2004.

[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(4)~~(2) One (1) emergency natural gas-fired generator, identified as EMGEN-1, with a maximum capacity of 60 hp, manufactured and installed in 2012.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(5)~~(3) One (1) emergency natural gas-fired generator, identified as EMGEN-2, with a maximum capacity of 48 hp, manufactured and installed in 2014.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

(65) One (1) diesel-fired emergency ~~generator~~fire pump, identified as DG-2, approved in 2018 for construction, with a maximum capacity of 140 HP and one (1) diesel-fired emergency generator, identified as DG-3, approved in 2024 for construction, with a maximum capacity of 755 HP.

[Under 40 CFR 60, Subpart IIII, this unit is considered an affected facility.]
[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.]

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

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

D.4.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2]

(a) Pursuant to 326 IAC 6.5-1-2(b)(3), particulate emissions from boilers B-1, B-2, B-22, B-21, B-31, B2 East and B1 West, shall each not exceed one-hundredth (0.01) grain per dry standard cubic foot (dscf).

(b) Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the diesel fired emergency fire pump and generators, identified as DG-~~1~~2 and DG-23, the natural gas fired emergency generators, identified as ~~NG-1,~~ NG-2, EMGEN-1 and EMGEN-2, the insignificant natural gas-fired space heaters, space heaters, process heaters, and the fire water heater shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three- hundredths (0.03) grain per dry standard cubic foot (dscf)), each.

D.4.2 Cold Cleaner Degreaser Control Equipment and Operating Requirements [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), the Permittee shall:

(a) Ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.
(2) Equip the degreaser with a device for draining cleaned parts.
(3) Close the degreaser cover whenever parts are not being handled in the degreaser.
(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
(6) Store waste solvent only in closed containers.
(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) Ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
(B) A water cover when solvent used is insoluble in, and heavier than, water.
(C) A refrigerated chiller.
(D) Carbon adsorption.

(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:

(A) must be a solid, fluid stream; and
(B) shall be applied at a pressure that does not cause excessive splashing.

D.4.3 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.4.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.4.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.4.2, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

(1) The name and address of the solvent supplier.
(2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).
(3) The type of solvent purchased.
(4) The total volume of the solvent purchased.
(5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(e) Friction Material grinding and sanding units, including:

(1) Seven (7) carbon machining units, all controlled by dust collector DC-CM-1, and exhausting to stack SV-CM-1.

(A) Five (5) SNC 86 Makino Machines, identified as SNC86-1, SNC86-2, SNC86-3, SNC86-4, and SNC86-5

(B) One (1) A88 Makino Machine, identified as A88-1

(C) One (1) Vertical Okuma Machine, identified as VO-1

(2) Seven (7) carbon machining units, all controlled by dust collector DC-CM-2 and exhausting to stack SV-CM-2.

(A) One (1) Horizontal Okuma Machine, identified as HO-1

(B) One (1) Pratt & Whitney Grinder, identified as P&WG-1

(C) One (1) Gardner Grinder, identified as GG-1

(D) One (1) AEM Grinder, identified as AEMG-1

(E) One (1) Detroit Grinder, identified as DEG-1, installed in 2012

(F) One (1) Horizontal Okuma carbon machining unit, identified as HO-2, approved in 2010 for construction, with a maximum throughput of 58 pounds per hour.

(G) One (1) Okuma carbon machining unit, identified as O-13, approved in 2017 for construction, with a maximum capacity of 12.5 parts per hour and 172.5 pounds of parts per hour.

(f) One (1) brake rework plastic bead blasting unit, identified as BR-1, approved in 2011 for construction, with a maximum throughput of 270 pounds of sand per hour, using a dust collector identified as DC-BR-1 as control, and exhausting to stack SV-BR-1.

(g) One (1) Okuma #17 Brass Dry Machining operation, identified as BM-1, constructed in 2007, using dust collectors as control, and exhausting inside.

(h) One (1) Makino #15 Brass Dry Machining operation, , identified as BM-2, constructed in 1990, using dust collectors as control, and exhausting inside.

Insignificant Activities:

(c) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors or electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.

(1) One (1) Machine Shop located in Plant 25, constructed in 2009, consisting of a drill press, band saws, sanders, and grinders, controlled by a Dust Hog, and exhausting through Stack SV-P25.

(d) The following emission units or activities with a potential uncontrolled emission rate for particulate matter with an aerometric diameter less than or equal to ten (10) microns (PM10) of less than or equal to five (5) pounds per hour or twenty-five (25) pounds per day.

(1) One (1) die cutter operation, identified as DCR, with a maximum capacity of 60 pounds per hour, installed in 1991. The die cutter machine is controlled by a cartridge dust collector, identified as DC-1, and exhausts through stack DC-CJ-1.

(2) One (1) El Dynamometer, identified as EID, installed in 1989, controlled by two (2) fabric filter dust collectors, identified as DC-305 and DC-307, and exhausting through stacks S-305 and S-307.

(3) Ten (10) Burr Benches each controlled by a dust collector, and venting inside the building. They are identified as the following:

(A) Torque Tube Burr Bench, identified as TTBB-1

(B) NW Burr Bench Cell, identified as NWBBC-1

(C) Outboard Cell Burr Bench, identified as OCBB-1

(D) NDT Burr Bench, identified as NDTBB-1

(E) Piston Housing Cell Burr Bench, identified as PHCBB-1

(F) Torque Tube Rough Deburr, identified as TTRDB-1

(G) Inboard Deburr Bench, identified as IDB-1, constructed in 2010

(H) Deburr Machine #8, identified as DM-8, constructed in 2009

(I) Magnahelic Room Burr Bench, identified as MRBB-1, constructed in 2002

(J) Burr Bench, identified as CD-1, constructed in 2020

(4) One (1) "Shaft" Brake Test Dynamometer, identified as SBD-1, installed in 1978, this shaft dynamometer is vented directly to the atmosphere through two (2) vents in the roof to remove heat and any potential emissions.

(5) One (1) Wheelabrator plastic bead blasting operation, identified as WPBB-1, with a maximum throughput less than 100 pounds per hour of plastic media blast, controlled by a rotoclone, and exhausting outside the building.

(6) One (1) Tumble Blast abrasive blasting unit, identified as TB-1, unit controlled by a dust collector, DC-TB-1, venting inside the building.

(7) Three (3) Shot Peening units including:

(A) One (1) PTI Shot Peener, identified as PTI Peen-1, installed in 2009, controlled by DC-PTI-1, and is vented inside the building.

(B) One (1) North Shot Peening unit, identified as NSP-1, controlled by dust

collector DC-NSP-1, and vented inside the building.

(C) One (1) South Shot Peening unit, identified as SSP-1, controlled by dust collector DC-SSP-1, and vented inside the building.

(8) Three (3) uncontrolled brake dynamometers

(A) One (1) 120 MI Top Side Brake Dyno, identified as TSBD-1, installed in 1943, uncontrolled.

(B) One (1) Adamson 84 Brake Dyno, identified as A84-1, installed in 1943, uncontrolled.

(C) One (1) FPTM Shaft Brake Dyno, identified as FPTM-1, installed in 1992, uncontrolled.

(9) Two (2) uncontrolled tire dynamometers.

(A) One (1) 96 Roll Dyno, identified as 96RD-1, installed in 1943, uncontrolled.

(B) One (1) 120 Roll Dyno, identified as 120RD-1, installed in 1950, uncontrolled.

(10) One (1) Scatblast plastic bead blaster, identified as SPBB-1, installed in 1998, controlled by a cartridge filter, exhausting to DC-SPBB-1, and venting indoors.

(11) One (1) MI-2 Brake Dyno, identified as MI-2, installed in 1998, uncontrolled.

(12) One (1) 150K Roll Dyno, identified as 150KRD-1, installed in 1994, uncontrolled.

(13) One (1) Trinco Dry Blast abrasive blasting unit, identified as TDB-1, installed in 1993, unit controlled by a dust collector, DC-TDB-1, venting inside the building.

(14) One (1) Vapor Blast Model 2820 abrasive blasting unit, identified as VB2820-1, installed in 1988, unit controlled by a dust collector, DC-VB2820-1, venting inside the building.

(15) One (1) cold jet booth, identified as CJ-1, constructed in 2013, for cleaning the chemical vapor deposition units, with a maximum capacity of 26 cleaning cycles per year, using a fabric filter dust collector DC-1 as control, and exhausting to stack S-1.

(16) One (1) Anti-Oxidation spray booth, identified as AO, permitted in 2014, using HVLP spray technology and controlled by dry filters, and exhausting through Stack SB-AO.

(17) Two (2) CNC Machines, identified as CNC-1 and CNC-2, located in Plant 12, approved for construction in 2021, each controlled by an oil mist collector, and exhausting internally.

(h) Noncontact cooling tower systems with either natural draft cooling towers not regulated under a NESHAP, or forced and induced draft cooling tower systems not regulated under a NESHAP.

(i) Pursuant to 326 IAC 2-7-1(41)(H), trivial activities performed using hand-held equipment, including: application of hot melt adhesives with no VOC in the adhesive formulation; buffing; carving; cutting, excluding cutting torches; drilling; grinding; machining wood, metal, or plastic; polishing; routing; sanding; sawing; surface grinding; and turning wood, metal, or plastic.

(n) Friction Materials Production processes with an overall nominal production capacity of 125 lbs/hour including the following:

(1) Eight (8) electric Preheat Ovens, identified as PreHeat Oven 4 & 10-12, AO Room Preheat 1 & 2, Auto AO Room Preheat, and Binary Room Preheat.

(2) Four (4) Devolitization / Post Cure Ovens, identified as Devols 1 - 4, all installed in 1987 and identified in 2012 for use as Post Cure Ovens.

(3) Two (2) Auto Pre-Form ovens, identified as APM-1 & APM-2, constructed in 1990, APM-1 exhausts through stack S-5 and APM-2 is controlled by a fabric filter dust collector, identified as DC-4, exhausting through stack S-4.

(4) Mold presses, identified as Mold Presses 1 - 12 and15, with the following installation dates: Mold Presses 7 & 8 installed in 1988, Mold Presses 9 & 10 installed in 1989, Mold Presses 11 & 12 installed in 1990, and Mold Press 15 installed in 2011.

(5) Eight (8) Post Cure ovens, identified as Post Cure 5 - 9, 11, 13 and 14, with installation dates as follows: Post Cures 5 - 7 installed in 1987, Post Cures 8 & 9 installed in 1991, Post Cure 11 installed in 2013 and Post Cures 13 and 14 installed in 2014.

(6) An RTM injection molding machine, installed in 2009.

(ff) Research and Development Activities (including support activities) as defined in 326 IAC 2-7-1(21)(H) which include but are not limited to:

(3) One (1) Bead Blast Unit

(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 PSD Minor Limits [326 IAC 2-2]

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

Unit(s)	PM Limit (lb/hr)	PM_{10} Limit (lb/hr)	$PM_{2.5}$ Limit (lb/hr)
Seven (7) Carbon Machining Units Controlled by Dust Collector DC-CM-1 (SNC86-1, SNC86-2, SNC86-3, SNC86-4, SNC86-5, A88-1, VO-1)	7.20	7.20	7.20
Seven (7) Carbon Machining Units Controlled by Dust Collector DC-CM-2 (HO-1, P&WG-1, GG-1, AEMG-1, HO-2, DEG-1, O-13)	7.20	7.20	7.20
BM-1	0.51	0.51	0.51
BM-2	0.41	0.41	0.41
Press Operations (15-50, 15-35, 15-77, 15-61, 15-17, 15-14, 15-36, 15-48)	1.554	0.77	0.77
Grinding Units	0.021	0.010	0.010

Compliance with these limits, combined with the potential to emit PM/PM10/PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM/PM10/PM2.5 to less than two-hundred fifty (250) tons per year, each, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.5.2 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from SNC86-1 through SNC86-5, A88-1, VO-1, HO-1, P&WG-1, GG-1, AEMG-1, DEG-1, DRG-1E, DRG-2W, HO-2, BR-1, BM-1, BM-2, the operations in Plant 25 machine shop, DCR, EID, TTBB-1, NWBBC-1, OCBB-1, NDTBB-1, PHCBB-1, TTRDB-1, IDB-1, DM-8, MRBB-1, CD-1, SBD-1, WPBB-1, TB-1, PTI Peen-1, NSP-1, SSP-1, TSBD-1, A84-1, FPTM-1, 96RD-1, 120RD-1, SPBB-1, MI-2, 150KRD-1, TDDB-1, VB2820-1, CJ-1, AO, APM-1, APM-2, O-13, CNC-1, CNC-2, Bead Blast Unit, trivial activities performed using hand-held equipment, including: application of hot melt adhesives with no VOC in the adhesive formulation; buffing; carving; cutting, excluding cutting torches; drilling; grinding; machining wood, metal, or plastic; polishing; routing; sanding; sawing; surface grinding; and turning wood, metal, or plastic and the noncontact cooling towers shall each not exceed 0.03 grains per dry standard cubic foot (dscf)).

D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.5.4 Testing Requirements [326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.5.1 and D.5.2, the Permittee shall perform PM, PM10, and PM2.5 testing of the seven (7) carbon machining units controlled by dust collector DC-CM-2 utilizing methods as approved by the Commissioner at least once every 5 years from the date of the most recent valid compliance demonstration. Testing shall be conducted in

accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. PM10 and PM2.5 includes filterable and condensable PM.

D.5.5 Particulate Control

In order to assure compliance with Conditions D.5.1 and D.5.2, the respective fabric filters, dust collectors and other particulate control systems identified above for particulate control shall be in operation and control emissions from the various corresponding particulate matter emitting units listed above at all times any of these units are in operation.

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

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

D.5.6 Visible Emissions Notations

(a) Visible emission notations of stack exhausts from the fabric filters, dust collectors and other particulate control systems identified above for emission units DC-CM-1 controlling SNC86-1, SNC86-2, SNC86-3, SNC86-4, SNC86-5, A88-1, VO-1, and DC-CM-2 controlling HO-1, HO-2, P&WG-1, GG-1, AEMG-1, O-13, and DEG-1 shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.5.7 Dust Collector Inspections

The Permittee shall perform quarterly inspections of the dust collectors controlling particulate from the Okuma #17 Brass Dry Machining operation (BM-1), and Makino #15 Brass Dry Machining operation (BM-2) to verify that they are being operated and maintained in accordance with the manufacturer's specifications. Inspections required by this condition shall not be performed in consecutive months. Any defective cartridges shall be replaced.

D.5.8 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 Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]

D.5.9 Record Keeping Requirement

(a) To document the compliance status with Conditions D.5.5 (Visible Emissions Notations), the Permittee shall maintain records of daily visible emission notations of the baghouse(s) stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(b) To document the compliance status with Condition D.5.6 (Dust Collector Inspections), the Permittee shall maintain records of the dates and results of the inspections.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

SECTION D.6 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(k) Cermet Production processes with an overall nominal production capacity of 1,600 lbs/hr including the following:

(1) One (1) Mix Room comprised of:

(A) One (1) Mix Hood, approved in 2020 for construction, using dust collector DFE 3-12 as control, and exhausting to stack DFE 3-12.

(B) Two (2) mixers, identified as 13-24 and 13-25, approved in 2020 for construction, with a maximum capacity of 800 pounds per batch, each, using dust collector DFE 3-12 as control, and exhausting to stack DFE 3-12.

(C) One (1) mixer, identified as 13-12, approved in 2020 for construction, with a maximum capacity of 400 pounds per batch, using dust collector DFE 3-12 as control, and exhausting to stack DFE 3-12.

(D) One (1) R&D Mixer, identified as 13-45, approved in 2020 for construction, with a maximum capacity of 50 pounds per batch, using dust collector DFE 3-12, and exhausting to stack DFE 3-12.

(2) Press Operations, comprised of:

(A) Two (2) Manual Preform Presses, identified as 15-50 and 15-35, approved in 2020 for construction, using dust collectors 21-179 and 21-178 as control, respectively, and exhausting internally.

(B) One (1) Automatic Preform Press, identified as 15-77, approved in 2020 for construction, using dust collector 21-176 as control, and exhausting internally.

(C) Three (3) Manual Danly Presses, identified as 15-61, 15-14, and 15-17, approved in 2020 for construction, using dust collector 21-183 as control, and exhausting internally.

(D) One (1) Automatic Danly Press, identified as 15-36, approved in 2020 for construction, using dust collector 21-177 as control, and exhausting internally.

(E) One (1) Danly Press, identified as 15-48, approved in 2020 for construction, with no emissions.

(3) Two (2) electric sintering furnaces, identified as 23-18 and 23-19, approved in 2020 for construction, using dust collectors 21-180 and 21-174 as control, respectively, and exhausting to the atmosphere.

(4) One (1) non-contact cooling tower, approved in 2020 for construction, with a recirculation rate of 225 gallons per minute.

(5) One (1) manual wet grinder, identified as 6-72, approved in 2020 for construction, with a mist collector to capture oil mist.

(6) One (1) automatic wet grinder, identified as 6-80, approved in 2020 for construction, with a mist collector to capture oil mist.

(7) Three (3) maintenance surface grinders, approved in 2020 for construction, with a mist collector to capture oil mist.

(8) One (1) QA Lab

(9) One (1) voluntary central vacuum system for cleaning

(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.6.1 PM, PM10, and PM2.5 PSD Minor Limits [326 IAC 2-2]

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

(a) PM emissions from the press operations shall not exceed 1.554 lbs/hr.

(b) PM10 emissions from the press operations shall not exceed 0.777 lbs/hr.

(c) PM2.5 emissions from the press operations shall not exceed 0.777 lbs/hr.

(d) PM emissions from the grinding units shall not exceed 0.021 lbs/hr.

(e) PM10 emissions from the grinding units shall not exceed 0.010 lbs/hr.

(f) PM2.5 emissions from the grinding units shall not exceed 0.010 lbs/hr.

Compliance with these limits, combined with the potential to emit PM, PM10, and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM, PM10, and PM2.5 to less than two-hundred fifty (250) tons per year, each, and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.6.2 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the mix room, press operations, grinding units, and non-contact cooling tower shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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

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

D.6.4 Particulate Control

(a) In order to assure compliance with Condition D.6.1 and D.6.2, the dust collectors for particulate control shall be in operation and control emissions from the mix room, press operations, grinding units, and non-contact cooling tower at all times these facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units

will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.6.5 Quarterly Dust Collector Inspections

The Permittee shall perform quarterly inspections of the dust collectors controlling particulate emissions from the press operations to verify that they are being operated and maintained in accordance with the manufacturer's specifications. Inspections required by this condition shall not be performed in consecutive months. All defective dust collectors shall be replaced.

D.6.6 Broken or Failed Dust Collector Detection

(a) For a single compartment dust collector 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 dust collector 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).

Dust collector failure can be indicated by a significant drop in the dust collector'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 Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]

D.6.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.6.5, the Permittee shall maintain records of the dates and results of the quarterly inspections required under Condition 6.5.

(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION E.1 **NESHAP**

Emissions Unit Description:

(i) Two (2) Binks Paint Booths, identified as BPB-1 & BPB-2, installed in 1987, using HVLP spray guns with an electric powered IR curing oven, controlled by 3-stage HEPA filters, and exhausting through stacks SBPB-1 & SBPB-2.

[Under 40 CFR 63, Subpart GG, these units are considered affected facilities.]

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR 63 Subpart GG.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.1.2 Aerospace Manufacturing and Rework Facilities NESHAP [40 CFR Part 63, Subpart GG] [326 IAC 20-15]

(a) The Permittee shall comply with the following provisions of 40 CFR 63, Subpart GG (included as Attachment A to the operating permit), which are incorporated by reference as 326 IAC 20-15, for the emission unit(s) listed above:

(1) 40 CFR 63.741
(2) 40 CFR 63.742
(3) 40 CFR 63.743(a), (d)
(4) 40 CFR 63.744
(5) 40 CFR 63.745(a), (b), (c), (e), (f), (g)
(6) 40 CFR 63.748
(7) 40 CFR 63.749(a), (b), (c), (d), (e), (f), (i)
(8) 40 CFR 63.750(a), (b), (c), (d), (e), (f), (i), (o)
(9) 40 CFR 63.751(a), (c)(1), (e), (f)
(10) 40 CFR 63.752(a), (b), (c), (d)
(11) 40 CFR 63.753(a), (b), (c)
(12) 40 CFR 63.759
(13) Table 1 to 40 CFR 63, Subpart GG

(b) On June 1, 2004, pursuant to 40 CFR 63.751(e)(5), the U.S. EPA approved the Permittee's use of an automated dynamic pressure monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the

paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with 40 CFR 63.745(g)(iv), 40 CFR 63.745(g)(3), 40 CFR 63.751(c)(1), 40 CFR 63.749(e), 40 CFR 63.752(d), and 40 CFR 63.753(c).

SECTION E.2 **NESHAP**

Emissions Unit Description:

(g) Activities associated with emergencies, including emergency generators as follows:

~~(1) One emergency (1) diesel-fired generator, identified as DG-1, with a maximum capacity of 535 bhp, installed in 2003.~~

~~[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]~~

~~(2) One (1) emergency natural gas-fired generator, identified as NG-1, with a maximum capacity of 40 hp, installed in 1977.~~

~~[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]~~

~~(3)~~(1) One (1) emergency natural gas-fired generator, identified as NG-2, with a maximum capacity of 215 hp, installed in 2004.

[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(4)~~(2) One (1) emergency natural gas-fired generator, identified as EMGEN-1, with a maximum capacity of 60 hp, manufactured and installed in 2012.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(5)~~(3) One (1) emergency natural gas-fired generator, identified as EMGEN-2, with a maximum capacity of 48 hp, manufactured and installed in 2014.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

~~(6)~~(4) One (1) diesel-fired emergency ~~generator~~fire pump, identified as DG-2, approved in 2018 for construction, with a maximum capacity of 140 HP and one (1) diesel-fired emergency generator, identified as DG-3, approved in 2024 for construction, with a maximum capacity of 755 HP.

[Under 40 CFR 60, Subpart IIII, this unit is considered an affected facility.]
[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.]

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR 63 Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.2.2 Stationary Reciprocating Internal Combustion Engines NESHAP [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

The Permittee shall comply with the following provisions of 40 CFR 63, Subpart ZZZZ (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 20-82:

~~DG-1, NG-1, and~~ NG-2:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585(a), (c) and (d)
(3) 40 CFR 63.6590(a)(1)(iii) and (iv)
(4) 40 CFR 63.6595(a)(1), (b), and (c)
(5) 40 CFR 63.6603(a)
(6) 40 CFR 63.6605
(7) 40 CFR 63.6625(e)(3), (f), (h), and (i)
(8) 40 CFR 63.6635
(9) 40 CFR 63.6640(a), (b), (e), (f)(1), f(2)(i),and f(4)
(10) 40 CFR 63.6645(a)(5)
(11) 40 CFR 63.6655
(12) 40 CFR 63.6660
(13) 40 CFR 63.6665
(14) 40 CFR 63.6670
(15) 40 CFR 63.6675
(16) Table 2d to 40 CFR 63, Subpart ZZZZ (items 4 & 5)
(17) Table 6 to 40 CFR 63, Subpart ZZZZ (item 9)
(18) Table 8 to 40 CFR 63, Subpart ZZZZ

EMGEN-1, EMGEN-2, ~~and~~ DG-2, and DG-3:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585
(3) 40 CFR 63.6590(a)(2)(iii) and (c)(1)
(4) 40 CFR 63.6595(a)(7)
(5) 40 CFR 63.6665
(6) 40 CFR 63.6670
(7) 40 CFR 63.6675

SECTION E.3 **NESHAP**

Emissions Unit Description:

(e) A gasoline dispensing operation, having a storage tank capacity equal to or less than ten thousand five hundred (10,500) gallons, and dispensing less than or equal to one thousand three hundred (1,300) gallons per day.

(1) One (1) double-walled 500-gallon capacity gasoline tank, identified as GAS-1, installed in 2006.

[Under 40 CFR 63, Subpart CCCCCC, this unit is considered an affected facility.]

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.3.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR 63 Subpart CCCCCC.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.3.2 Source Category: Gasoline Dispensing Facilities NESHAP [40 CFR Part 63, Subpart CCCCCC]

The Permittee shall comply with the following provisions of 40 CFR 63, Subpart CCCCCC (included as Attachment C to the operating permit), for the emission unit(s) listed above:

(1) 40 CFR 63.11110
(2) 40 CFR 63.11111(a), (b), (e), (f)
(3) 40 CFR 63.11112
(4) 40 CFR 63.11113(b), (c)
(5) 40 CFR 63.11115
(6) 40 CFR 63.11116
(7) 40 CFR 63.11130
(8) 40 CFR 63.11131
(9) 40 CFR 63.11132
(10) Table 3 to 40 CFR 63, Subpart CCCCCC

SECTION E.4 **NESHAP**

Emissions Unit Description:

(f) Twenty-eight (28) Anodizing Line storage tanks, including one (1) temporary substitute tank, identified as Tank 18, with constituents from other baths, collectively identified as Anodizing, installed in 1968.

[Under 40 CFR 63, Subpart WWWWWW, this unit is considered an affected facility.]

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.4.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart WWWWWW.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.4.2 Area Source Standards for Plating and Polishing NESHAP [40 CFR Part 63, Subpart WWWWWW]

The Permittee shall comply with the following provisions of 40 CFR 63, Subpart WWWWWW (included as Attachment D to the operating permit), for the emission unit(s) listed above:

(1) 40 CFR 63.11504
(2) 40 CFR 63.11505(a)(1), (b), (d), (e)
(3) 40 CFR 63.11506(a)
(4) 40 CFR 63.11507(g)
(5) 40 CFR 63.11508(a), (b), (c), (d)(1), (d)(2), (d)(8)
(6) 40 CFR 63.11509(a)(1), (a)(2), (a)(3), (b), (c), (d), (e), (f)
(7) 40 CFR 63.11510
(8) 40 CFR 63.11511
(9) 40 CFR 63.11512
(10) Table 1 to 40 CFR 63, Subpart WWWWWW

SECTION E.5 **NSPS**

Emissions Unit Description:

(g) Activities associated with emergencies, including emergency generators as follows:

(4) One (1) emergency natural gas-fired generator, identified as EMGEN-1, with a maximum capacity of 60 hp, manufactured and installed in 2012.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

(5) One (1) emergency natural gas-fired generator, identified as EMGEN-2, with a maximum capacity of 48 hp, manufactured and installed in 2014.

[Under NSPS, Subpart JJJJ, this unit is considered an affected facility.]
[Under NESHAP, Subpart ZZZZ, this unit is considered an affected facility.]

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.5.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1 for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart JJJJ.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

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

E.5.2 Stationary Reciprocating Internal Combustion Engines NSPS [40 CFR Part 60, Subpart JJJJ] [326 IAC 12]

The Permittee shall comply with the following provisions of 40 CFR 60, Subpart JJJJ (included as Attachment E to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit(s) listed above:

(1) 40 CFR 60.4230(a)(4)(iv) and (a)(6) and (c)
(2) 40 CFR 60.4233(d)
(3) 40 CFR 60.4234
(4) 40 CFR 60.4237(c)
(5) 40 CFR 60.4243(b), (d), (e), (f), (g)
(6) 40 CFR 60.4244
(7) 40 CFR 60.4245(a) and (d)
(8) 40 CFR 60.4246
(9) 40 CFR 60.4248
(10) Table 1 to 40 CFR 60, Subpart JJJJ

(11) Table 2 to 40 CFR 60, Subpart JJJJ
(12) Table 3 to 40 CFR 60, Subpart JJJJ

SECTION E.6 **NSPS**

Emissions Unit Description:

(g) Activities associated with emergencies, including emergency fire pump and generators as follows:

(6) One (1) diesel-fired emergency ~~generator~~fire pump, identified as DG-2, approved in 2018 for construction, with a maximum capacity of 140 HP and one (1) diesel-fired emergency generator, identified as DG-3, approved in 2024 for construction, with a maximum capacity of 755 HP.

[Under 40 CFR 60, Subpart IIII, this unit is considered an affected facility.]
[Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.]

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.6.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1][40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart IIII.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

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

E.6.2 Stationary Compression Ignition Internal Combustion Engines NSPS [326 IAC 12][40 CFR Part 60, Subpart IIII]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment F to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit(s) listed above:

(1) 40 CFR 60.4200(a)(2)(ii) and (c)
(2) 40 CFR 60.4205(c)
(3) 40 CFR 60.4206
(4) 40 CFR 60.4207(b)
(5) 40 CFR 60.4209(a)
(6) 40 CFR 60.4211(a), (c), (f), and (g)(2)
(7) 40 CFR 60.4214(b)
(8) 40 CFR 60.4218
(9) 40 CFR 60.4219
(10) Table 4 to 40 CFR Part 60, Subpart IIII
(11) Table 8 to 40 CFR Part 60, Subpart IIII

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172

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 AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172

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

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_x, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172
Facility: Electric Char Furnace No. 1
Parameter: Total hours of operation
Limits: Shall not exceed 6,600 hours per twelve (12) consecutive month period with compliance demonstrated on a monthly basis

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Total hours of operation (hours)	Total hours of operation (hours)	Total hours of operation (hours)
	This Month	Previous 11 Months	12 Month Total

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

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

Part 70 Quarterly Report

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172
Facility: Electric Char Furnace No. 2
Parameter: Total hours of operation
Limits: Shall not exceed 6,600 hours per twelve (12) consecutive month period with compliance demonstrated on a monthly basis

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Total hours of operation (hours)	Total hours of operation (hours)	Total hours of operation (hours)
	This Month	Previous 11 Months	12 Month Total

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

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

Part 70 Quarterly Report

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172
Facility: Electric Char Furnace No. 3
Parameter: Total hours of operation
Limits: Shall not exceed 6,600 hours per twelve (12) consecutive month period with compliance demonstrated on a monthly basis

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Total hours of operation (hours)	Total hours of operation (hours)	Total hours of operation (hours)
	This Month	Previous 11 Months	12 Month Total

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

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

Part 70 Quarterly Report

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172
Facility: Electric Char Furnace No. 4
Parameter: Total hours of operation
Limits: Shall not exceed 6,600 hours per twelve (12) consecutive month period with compliance demonstrated on a monthly basis

QUARTER:_____ YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Total hours of operation (hours)	Total hours of operation (hours)	Total hours of operation (hours)
	This Month	Previous 11 Months	12 Month Total

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone:_____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-44983-00172

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

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ 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: _____


MACKENZIE MEADE
HONEYWELL AEROSPACE - SOUTH BEND
3520 WESTMOOR ST
SOUTH BEND, IN 46628
UNITED STATES US
ACTWGT: 0.50 LB
CAD: 254284135/INET4535
BILL SENDER
COMPLIANCE & ENFORCEMENT AIR
IDEM
100 NORTH SENATE AVE
MAIL CODE 61-53 IGCN 1003
INDIANAPOLIS IN 46204
(574) 231-2349
REF: HSE
INV:
PO:
DEPT:
FedEx Express
FedEx
TRK# 0201 7770 2349 6123
THU - 27 JUN 10:30A
PRIORITY OVERNIGHT
XP GSHA
46204
IN-US
IND
Received
State of Indiana
JUN 27 2024
Dept of Environmental Mgmt
Office of Air Quality
Envelo
recy
RT 809
FZ 808
1
10:30
A
6123
06.27