

3M Environment, Health,
Safety and Sustainability

3M Center, Building 224-5W-03
St. Paul, MN 55144



June 20, 2024

Certified Mail

IDEM Air Permits Administration
Attn: Incoming Application
100 North Senate Avenue
MC 61-53, Room 1003
Indianapolis, IN 46204-2251

Received
State of Indiana
JUL 02 2024
Dept of Environmental Mgmt
Office of Air Quality
JS-1

Subject: 3M Indianapolis – 79th Street
Administrative Amendment – Minor Source Operating Permit (M097-39524-00368)

Dear Permit Team Leader:

Enclosed, please find two copies of this Administrative Amendment application for 3M Indianapolis (79th Street) located at 5457 West 79th Street Indianapolis, IN 46268. The facility currently operates under the Minor Source Operating Permit M097-39524-00368 issued June 7, 2018.

The facility is providing this administrative amendment for modification to their active communication headset manufacturing ventilation exhausting to stack SU20 which will be a source of VOC, and ozone emissions. This modification will result in an emission increase below the 326 IAC 2-6.1-6(g) minor permit revision threshold. Additionally, a potential to emit threshold is not assigned for ozone emissions under 326 IAC 2-6.1-6(g). Pursuant to 26 IAC 2-6.1-6(e), 79th Street submits this notification within thirty (30) days of making this change.

This change is not considered a minor permit revision or a significant permit revision under 326 IAC 2-6.1-6(g) or 326 IAC 2-6.1-6(i). There are no Federal New Source Performance Standards (NSPS) or Federal National Emissions Standards for Hazardous Pollutants for Area Sources (NESHAPs) that apply to this process. The PTE of this proposed change is below the thresholds for minor permit revisions, however there is not de minimis emissions or insignificant activity exemptions for MSOPs; therefore, an administrative amendment is required to be submitted.

If you have any questions or comments, please feel free to contact me via e-mail at dhasan2@mmm.com.

Sincerely,

Della Hardy

Della Hardy
Sr. Environmental Engineer

***3M Indianapolis – 79th Street
Administrative Amendment***



**3M Indianapolis – 79th Street
Indianapolis, Indiana**

June 2024

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Permit Application Forms



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:	097-48039-00368 AI# 12427
DATE APPLICATION WAS RECEIVED:	Received State of Indiana JUL 02 2024 Dept of Environmental Mgmt Office of Air Quality JSJ

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:	3M Indianapolis - 79 th Street	3. Plant ID:	097 – 00368
4. Billing Address:	5457 West 79 th Street		
City:	Indianapolis	State:	IN
		ZIP Code:	46268 –
5. Permit Level:	<input type="checkbox"/> Exemption <input type="checkbox"/> Registration <input type="checkbox"/> SSOA <input checked="" type="checkbox"/> MSOP <input type="checkbox"/> FESOP <input type="checkbox"/> TVOP <input type="checkbox"/> PBR		
6. Application Summary:	Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.		
	<input type="checkbox"/> Initial Permit <input type="checkbox"/> Renewal of Operating Permit <input type="checkbox"/> Asphalt General Permit <input type="checkbox"/> Review Request <input type="checkbox"/> Revocation of Operating Permit <input type="checkbox"/> Alternate Emission Factor Request <input type="checkbox"/> Interim Approval <input type="checkbox"/> Relocation of Portable Source <input type="checkbox"/> Acid Deposition (Phase II) <input type="checkbox"/> Site Closure <input type="checkbox"/> Emission Reduction Credit Registry		
	<input type="checkbox"/> Transition (between permit levels) From: To:		
	<input checked="" type="checkbox"/> Administrative Amendment: <input type="checkbox"/> Company Name Change <input type="checkbox"/> Change of Responsible Official <input type="checkbox"/> Correction to Non-Technical Information <input type="checkbox"/> Notice Only Change <input checked="" type="checkbox"/> Other (specify): Modified emission units with PTE below minor permit modification threshold.		
	<input type="checkbox"/> Modification: <input type="checkbox"/> New Emission Unit or Control Device <input type="checkbox"/> Modified Emission Unit or Control Device <input type="checkbox"/> New Applicable Permit Requirement <input type="checkbox"/> Change to Applicability of a Permit Requirement <input type="checkbox"/> Prevention of Significant Deterioration <input type="checkbox"/> Emission Offset <input type="checkbox"/> MACT Preconstruction Review <input type="checkbox"/> Minor Source Modification <input type="checkbox"/> Significant Source Modification <input type="checkbox"/> Minor Permit Modification <input type="checkbox"/> Significant Permit Modification <input type="checkbox"/> Other (specify):		
7.	Is this an application for an initial construction and/or operating permit for a "Greenfield" Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
8.	Is this an application for construction of a new emissions unit at an Existing Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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

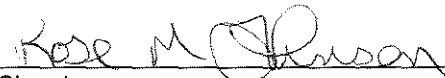
Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

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.

Rose Johnson
Name (typed)

Plant Manager
Title


Signature

6/28/24
Date



OAQ GENERAL SOURCE DATA APPLICATION
GSD-01: Basic Source Level Information
 State Form 50640 (R5 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 State of Indiana

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

JUL 02 2024

JS-1

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.

PART A: Source / Company Location Information

1. Source / Company Name: 3M Indianapolis (79 th Street)		2. Plant ID: 097 – 00368	
3. Location Address: 5457 West 79 th Street			
City: Indianapolis		State: IN	ZIP Code: 46268 –
4. County Name: Marion		5. Township Name: Pike Township	
6. Geographic Coordinates:			
Latitude: 36.8962877		Longitude: -86.2552632	
7. Universal Transferal Mercadum Coordinates (if known):			
Zone:		Horizontal:	Vertical:
8. Adjacent States: Is the source located within 50 miles of an adjacent state? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – <i>Indicate Adjacent State(s):</i> <input type="checkbox"/> Illinois (IL) <input type="checkbox"/> Michigan (MI) <input type="checkbox"/> Ohio (OH) <input type="checkbox"/> Kentucky (KY)			
9. Attainment Area Designation: Is the source located within a non-attainment area for any of the criteria air pollutants? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – <i>Indicate Nonattainment Pollutant(s):</i> <input type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> NO _x <input type="checkbox"/> O ₃ <input type="checkbox"/> PM <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> SO ₂			
10. Portable / Stationary: Is this a portable or stationary source? <input type="checkbox"/> Portable <input checked="" type="checkbox"/> Stationary			

PART B: Source Summary

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

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: Mark Frye

19. Title (optional): EHS Engineer

20. Mailing Address: 5457 West 79th Street

City: Indianapolis

State: IN

ZIP Code: 46268 -

21. Electronic Mail Address (optional): mcfrye@mmm.com

22. Telephone Number: (317) 734 - 3513

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: Rose Johnson

25. Title: Plant Manager

26. Mailing Address: 5457 West 79th Street

City: Indianapolis

State: IN

ZIP Code: 46268 -

27. Telephone Number: (317) 734 - 3547

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: 3M Company

31. Name of Owner Contact Person:

32. Mailing Address:

City:

State:

ZIP Code: -

33. Telephone Number: () -

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): () -

PART G: Agent Information		
40. Company Name of Agent:		
41. Type of Agent: <input type="checkbox"/> Environmental Consultant <input type="checkbox"/> Attorney <input type="checkbox"/> Other (specify):		
42. Name of Agent Contact Person:		
43. Mailing Address:		
City:	State:	ZIP Code: -
44. Electronic Mail Address (optional):		
45. Telephone Number: () -	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? <input type="checkbox"/> No <input type="checkbox"/> Yes		

PART H: Local Library Information		
48. Date application packet was filed with the local library: NA		
49. Name of Library: Pike Township Public Library		
50. Name of Librarian (optional):		
51. Mailing Address: 6525 Zionsville Road		
City: Indianapolis	State: IN	ZIP Code: 46268 -
52. Internet Address (optional):		
53. Electronic Mail Address (optional):		
54. Telephone Number: (317) 269 - 1889	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
3M Company	12/28/2009 to
Aearo Technologies	to 12/28/2009
	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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - Change Company Name to:	

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
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—		to
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—		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:

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
Plastic Manufacturing Operation	Polyurethane foam, urethane foam & vinyl foam products	3086	

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
M097-39524-00368	909 Line, 935 Line, Insignificant Activities	6/7/2028

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

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

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

Part B: Process Information				
Applicable?	Form ID	Title of Form	State Form Number	When should this form be included in my application packet?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PI-17	Blasting Operations	52558	Include for each blasting process (<i>unless SSOA</i>).
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PI-18	Mineral Processing	52559	Include if the process involves mineral processing (<i>unless SSOA</i>).
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PI-19	Surface Coating & Printing Operations	52560	Include for each surface coating or printing process (<i>unless SSOA</i>).
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PI-20	Woodworking / Plastic Machining	52561	Include for each woodworking or plastic machining process (<i>unless SSOA</i>).
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PI-21	Site Remediation	52570	Include for each soil remediation process.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PI-22	Ethanol Plants (<i>Under Development</i>)	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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-01	Control Equipment Summary	51904	Include if add-on control equipment will be used for the process.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-02	Particulates – Baghouse / Fabric Filter	51953	Include for each baghouse or fabric filter.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-03	Particulates – Cyclone	52620	Include for each cyclone.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-04	Particulates – Electrostatic Precipitator	52621	Include for each electrostatic precipitator.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-05	Particulates – Wet Collector / Scrubber / Absorber	52622	Include for each wet collector, scrubber, or absorber.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-06	Organics – Flare / Oxidizer / Incinerator	52623	Include for each flare, oxidizer, or incinerator.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-07	Organics – Adsorbers	52624	Include for each adsorber.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-08	Organics – Condenser	52625	Include for each condenser.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-09	Reduction Technology	52626	Include for each control device using reduction technology (e.g., SCR, SNCR).
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CE-10	Miscellaneous Control Equipment	52436	Include one form for equipment for which there is not a specific CE form.

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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CD-01	Emissions Unit Compliance Status	51861	Include for every Title V application, including modifications.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CD-02	Compliance Plan by Applicable Requirement	51862	Include for every Title V application, including modifications.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CD-03	Compliance Plan by Emissions Unit	51863	Include for every Title V application, including modifications.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	CD-04	Compliance Schedule and Certification	51864	Include for every Title V application, including modifications and renewal.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BACT-01	Analysis of Best Available Control Technology	None	Include for every BACT application.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BACT-01a	Background Search: Existing BACT Determinations	None	Include for every BACT application.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BACT-01b	Cost/Economic Impact Analysis	None	Include for every BACT application.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BACT-02	Summary of Best Available Control Technology	None	Include for every BACT application.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	EC-01	Generation of Emission Credits	51783	Include if the modification results in emission reductions.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	EC-02	Transfer of Emission Credits	51784	Submit whenever registered emission credits are transferred.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	EC-03	Use of Emission Credits	51785	Include if the modification requires the use of emission credits for offsets.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	EC-04	Emission Credit Request	51906	Submit if you are looking for emission credits for offsets.

Part G: Plantwide Applicability Limits				
Applicable?	Form ID	Title of Form	State Form Number	When should this form be included in my application packet?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PAL-01	Actuals Plantwide Applicability Limit	52451	Include if the modification results in emission reductions.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PAL-02	Revised Plantwide Applicability Limit	52452	Submit whenever registered emission credits are transferred.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PAL-03	Plantwide Applicability Limit Renewal	52453	Include if the modification requires the use of emission credits for offsets.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FED-02	MACT Pre-Construction Review	51905	Include if constructing or modifying a process subject to a Part 63 NESHAP.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	INTERIM	Interim Approval	None	Submit if you are applying for interim operating approval.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	ASPHALT	Asphalt General Permit	None	Submit if you are applying for or modifying an asphalt plant general permit.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	ACIDRAIN	Phase 2 Acid Rain Permit	None	Submit if you are applying for, modifying, or renewing a Phase 2 Acid Rain permit.

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?
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	OA-01	Summary of Application and Existing Agreements	53438	Submit if you are applying for or modifying a Source Specific Operating Agreement.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	OA-04	Woodworking Operations (326 IAC 2-9-4)	53441	Submit if you are applying for or modifying a SSOA for woodworking operations.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	OA-06	Grain Elevators (326 IAC 2-9-6)	53443	Submit if you are applying for or modifying a SSOA for grain elevators.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	OA-12	Degreasing Operations (326 IAC 2-9-12)	53449	Submit if you are applying for or modifying a SSOA for degreasing operations.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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.
<input type="checkbox"/> Y <input checked="" type="checkbox"/> 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-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 (<i>All throughputs should be given in pounds per hour.</i>):			
1. <input checked="" type="checkbox"/> Process Description:	COMs Process Cell A & B		
2. <input checked="" type="checkbox"/> Process Equipment	3. <input type="checkbox"/> Raw Material Input	4. <input type="checkbox"/> Process Throughput	
5. <input type="checkbox"/> Additions <input type="checkbox"/> Deletions <input checked="" type="checkbox"/> 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. (<i>If additional space is needed, please attach a separate sheet with the information and indicate in the space below that additional information is attached.</i>)			
Active communication headset manufacturing, COMS process cells A & B with oven curing of applied protective coating & adhesive exhausting outdoors via stack# SU20.			

Part B: Process Operation Schedule			
Part B indicates the actual (or estimated actual) hours of operation for the process.			
6. <input checked="" type="checkbox"/> Process Operation Schedule	<u>24</u> Hours per Day	<u>7</u> Days per Week	<u>52</u> 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. (<i>If additional space is needed, please attach a separate sheet with the information and indicate in the space below that additional information is attached.</i>)			

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 (<i>All throughputs should be given in pounds per hour.</i>):	
8. <input checked="" type="checkbox"/> Stack / Vent Information	
9. <input checked="" type="checkbox"/> Pollutants Emitted	
10. <input type="checkbox"/> Air Pollution Control	

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.

Process flow diagram attached.



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
N/A			COMs Process Cell A & B		5/28/2024	See PTE Calculations	SU20



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
COMs Process Cell A & B	SU20	VOC			0.71 LB/HR	3.13
COMs Process Cell A & B	SU20	Ozone			4.44E-04 LB/HR	1.94E-03

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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)			0.19 lb/hr	0.85
Lead (Pb)			0.00 lb/hr	0.00
Nitrogen Oxides (NO _x)			0.23 lb/hr	1.01
Particulate Matter (PM)			3.99 lb/hr	17.47
Particulate Matter less than 10µm (PM ₁₀)			2.87 lb/hr	12.58
Particulate Matter less than 2.5µm (PM _{2.5})			2.07 lb/hr	9.07
Sulfur Dioxide (SO ₂)			0.00 lb/hr	0.01
Volatile Organic Compounds (VOC)			8.78 lb/hr	38.58
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):				



AEF-01 – ALTERNATE EMISSION FACTOR REQUEST

State Form 51860 (R / 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 application is to request to use an alternate emission factor for permitting determinations, estimating source emissions for billing, or for development of emission inventories for use in air quality planning. This is 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 any one to inspect and photocopy.

FOR OFFICE USE ONLY

PERMIT NUMBER:

PART A: Process Identification

Part A is intended to identify the process at the source for which the alternate emission factor is requested.

1. Process Description: COMs Process Cell A & B

2. Affected Emissions Units:	3. Affected Control Devices:	4. Raw Materials Impacting Emissions:
1101 Conformal Coating oven	NA	Protective Coating & UV Lamps
1102 Conformal Coating Oven	NA	Protective Coating & UV Lamps
Conformal Coating Glue Pot 1	NA	Protective Coating
Conformal Coating Glue Pot 2	NA	Protective Coating
1103 Battery Terminal Oven	NA	Adhesive & UV Lamps
1104 Battery Terminal Oven	NA	Adhesive & UV Lamps
Battery Terminal Glue Pot 1	NA	Adhesive
Battery Terminal Glue Pot 2	NA	Adhesive

PART B: Standard Calculation Method

Part B is intended to identify the standard emission calculation method and to identify why the method is not adequate.

5. Standard Emission Calculation Method: Materials balance & Emission Factor

6. **Rationale:** Briefly explain why the published emission factor does not appropriately represent the process, operation, or pollution control equipment efficiently.

There are no AP-42 emission factors for this type of process. To calculate VOC emissions, it is conservatively assumed 100% of the VOC content of the applied coating & adhesive is emitted. The maximum application rate of coating applied is 1.76 LB/HR for Conformal Coating Oven 1101 & 1102, and Conformal Coating Glue Pot 1 & 2. The maximum application rate of applied adhesive is 0.04 LB/HR for the Battery Terminal Oven 1103 & 1104, and Battery Terminal Glue Pot 1 & 2. For ozone emissions, an emission factor from known manufacturer's information was used for Conformal Coating Oven 1101 & 1102 where the manufacturer's info was available. For Battery Terminal Oven 1103 & 1104 manufacturer's specific emission factors was unavailable, so a worst-case emission factor of 2.73 x 10⁻⁵ lb/hr-inch was used from available lamp manufacturer emissions information.

PART C: Proposed Alternate Emission Factor

Part C is intended to identify the proposed alternate emission factor (AEF) and to sufficiently describe the AEF such that IDEM staff can understand the process used to develop the AEF.

7. Proposed AEF: Briefly describe the proposed alternate emission factor.

A material balance approach will be used to calculate emissions. It is assumed that 100% of the VOC content from the raw material is emitted. Ozone emissions of 58E-06, from Fusion Lamps for lamp type F300D is used for conformal coating oven 1101 and 1102 where the lamp manufacturer was known. Worst- case ozone emissions of 2.73E-05 lb/hr/inch, from Aetek International was used where the lamp manufacturer was unknown for Battery Terminal Oven 1103 and 1104. The calculations presented in Attachment 2 document emissions from the process.

8. AEF Development Method: What approach was, or will be used to develop the alternate emission factor?

Continuous Emissions Monitoring System (CEMS)

A. Is the CEM certified by IDEM? Yes No

B. Is the CEM operated and maintained in accordance with the applicable regulations? Yes No

Source Testing

A. Was testing conducted by a trade association or industry group? Yes No

Identify the trade association or industry group:

B. Was testing published and validated through peer review? Yes No

C. Was testing approved by IDEM? Yes No

Development of Material Balance Equations

Emission Modeling

Engineering Estimates

Other – Please Specify:

9. Supporting Data: Have you attached the data supporting the development of your alternate emission factor? Yes No

10. RM/TP Submittal: Have you submitted the appropriate reference method or test protocol to IDEM? Yes No NA

11. Modeling Analysis: Was any modeling conducted? Yes No NA

12. Modeling Summary: Briefly describe any modeling that was conducted. *Attach additional information using form GSD-05, Summary of Additional Information, as needed.*



OAQ PROCESS INFORMATION APPLICATION
PI-01: Miscellaneous Process
State Form 52534 (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 obtain detailed information about the process. Complete one form for each process unit (or group of identical process units). This is a required form.
- 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 anyone to inspect and photocopy.

PART A: Process Information

Part A identifies the process. If there are multiple process units that are identical in nature, capacity, and use, you may use one form to summarize the data for the identical process units.

1. **Unit ID:** COMs Process Cell A & B

2. **Installation Date:** 5/28/2024
(actual or anticipated)

3. **How many (identical) process units are identified in this form?** One More than one *(specify number)* : 2

4. **Process Description:**
Active communication headset manufacturing.

5. **Maximum Production Rate (specify units):** See Calculations

6. **Fuel Used:** Not Applicable Natural Gas Only Other – *Attach completed PI-02F form.*

7. **Add-On Control Technology:** *Identify all control technologies used for this unit, and attach completed CE-01 (unless "none").*

- None
- | | |
|--|---|
| <input type="checkbox"/> Baghouse / Fabric Filter – <i>Attach CE-02.</i> | <input type="checkbox"/> Cyclone – <i>Attach CE-03.</i> |
| <input type="checkbox"/> Electrostatic Precipitator – <i>Attach CE-04.</i> | <input type="checkbox"/> Absorption / Wet Collector / Scrubber – <i>Attach CE-05.</i> |
| <input type="checkbox"/> Oxidizer / Incinerator – <i>Attach CE-06.</i> | <input type="checkbox"/> Adsorber – <i>Attach CE-07.</i> |
| <input type="checkbox"/> Condenser – <i>Attach CE-08.</i> | <input type="checkbox"/> Reduction – <i>Attach CE-09.</i> |
| <input type="checkbox"/> Other <i>(specify):</i> | – <i>Attach CE-10.</i> |

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

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

PART B: Emission Factors

Part B identifies all emission factors used to calculate air emissions from this process.

10. Process Unit (& ID, if applicable)	11. Air Pollutant	12. Emission Factor		13. Source of Emission Factor (if not using AP-42, include calculations)	
		value	units		
COMS Process Cell A & B	VOC	3.13	TPY	<input type="checkbox"/> AP-42	<input checked="" type="checkbox"/> Other
COMS Process Cell A & B	Ozone	1.94E-03	TPY	<input type="checkbox"/> AP-42	<input checked="" type="checkbox"/> Other
				<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
				<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
				<input type="checkbox"/> AP-42	<input type="checkbox"/> Other
				<input type="checkbox"/> AP-42	<input type="checkbox"/> Other

PART C: Processed Materials

Part C identifies the materials processed and the raw material usage.

14. Materials Processed	15. Raw Materials Usage Rate (lb/hr)
Protective Coating	1.76
Adhesive	0.04

PART D: Federal Rule Applicability

Part D identifies any federal rules that apply to the process.

16. Is a **New Source Performance Standard (NSPS)** applicable to this source? Yes No
 Attach a completed FED-01 for each rule that applies.
 40 CFR Part 60, Subpart _____
17. Is a **National Emission Standard for Hazardous Air Pollutants (NESHAP)** applicable to this source? Yes No
 Attach a completed FED-01 for each rule that applies.
 40 CFR Part 61, Subpart _____
 40 CFR Part 63, Subpart _____
18. **Non-Applicability Determination:** Provide an explanation if the process unit appears subject to a rule (based on the rule title or the source category), but the rule will not apply.

Attachment 2

Emission Calculations

3M Indianapolis (79th Street)
Potential Emission Calculations

Stack No.	EU or GP Description	CE No.	Pollutant Name	CAS No. (no dashes)	Max Rate units	Max Rate units	Em Factor lb/units	Em Factor units	Uncontr Potl to Emit (PTE) (lb/hr)	Uncontr Potl to Emit (PTE) (tpy)	Poll Contr Eff (%)	Contr Potl to Emit (PTE) (tpy)
SU20	1101 Conformal Coating Oven		VOC		1.76	LB/HR	0.13	HR	0.134	0.59	0.00%	0.588
SU20	1102 Conformal Coating Oven		VOC		1.76	LB/HR	0.13	HR	0.134	0.59	0.00%	0.588
SU20	Conformal Coating Glue Pot 1		VOC		1.76	LB/HR	0.13	HR	0.134	0.59	0.00%	0.588
SU20	Conformal Coating Glue Pot 2		VOC		1.76	LB/HR	0.13	HR	0.134	0.59	0.00%	0.588
SU20	1103 Battery Terminal Oven		VOC		0.044	LB/HR	0.04	HR	0.044	0.19	0.00%	1.93E-01
SU20	1104 Battery Terminal Oven		VOC		0.044	LB/HR	0.04	HR	0.044	0.19	0.00%	1.93E-01
SU20	Battery Terminal Glue Pot 1		VOC		0.044	LB/HR	0.04	HR	0.044	0.19	0.00%	1.93E-01
SU20	Battery Terminal Glue Pot 2		VOC		0.044	LB/HR	0.04	HR	0.044	0.19	0.00%	1.93E-01
SU20	1101 Conformal Coating Oven		Ozone		2.00	LAMPS	5.80E-05	HR-LAMPS	1.16E-04	5.08E-04	0.00%	5.08E-04
SU20	1102 Conformal Coating Oven		Ozone		1.00	LAMPS	5.80E-05	HR-LAMPS	5.80E-11	2.54E-10	0.00%	2.54E-10
SU20	1103 Battery Terminal Oven		Ozone		6.00	INCH	2.73E-05	LB/HR-INCH	1.64E-04	7.17E-04	0.00%	7.17E-04
SU20	1104 Battery Terminal Oven		Ozone		6.00	INCH	2.73E-05	LB/HR-INCH	1.64E-04	7.17E-04	0.00%	7.17E-04

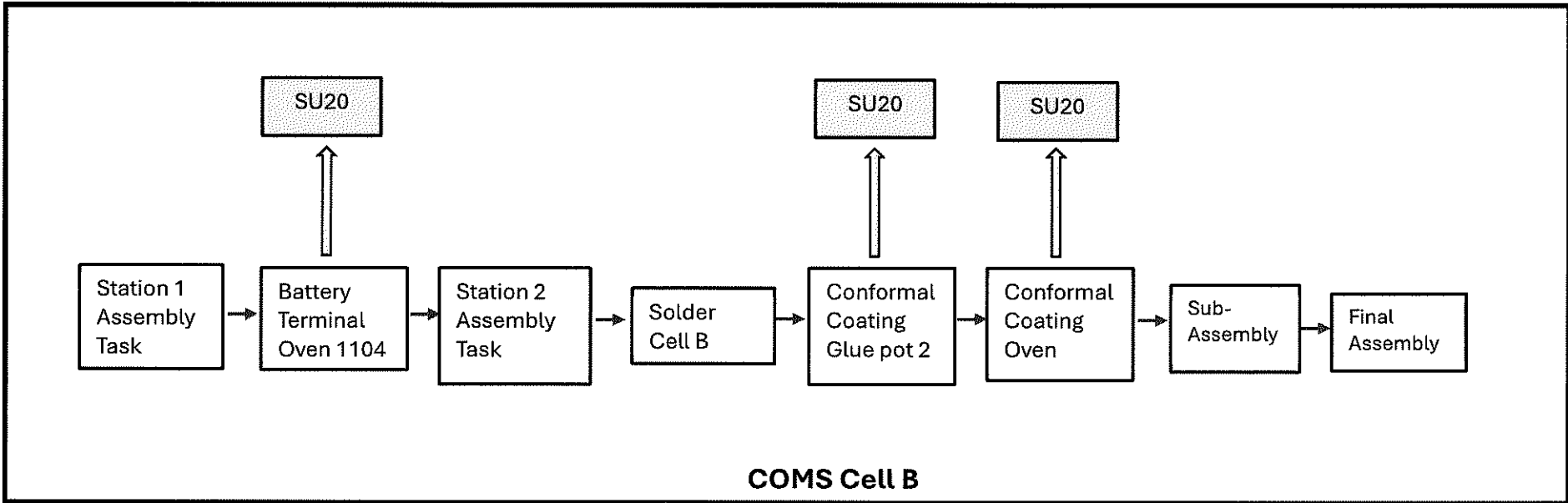
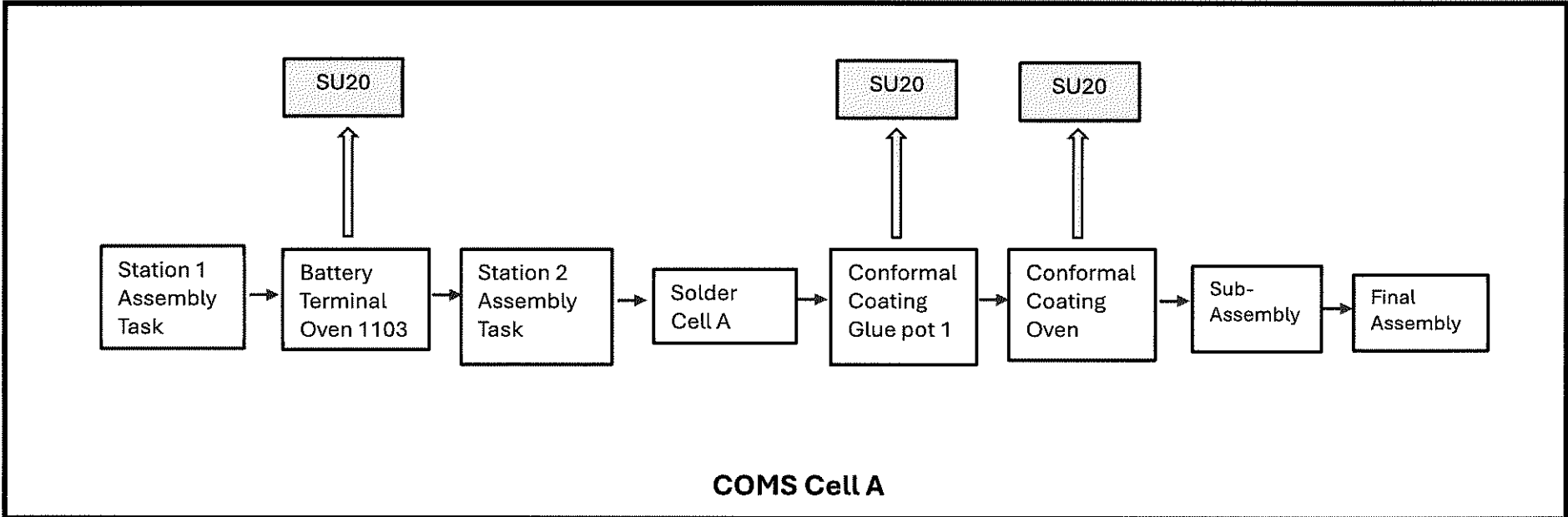
COMs Process Cell A & B Total Emissions	VOC								0.71	3.13	0%	3.13
	Ozone								4.44E-04	1.94E-03	0%	1.94E-03

3M Indianapolis (79th Street)
 Potential Emissions Summary

Pollutant Name	Existing PTE		COMs Process Cell A & B		New Sitewide PTE		Overall Change in PTE		Minor Amendment Pollutant Thresholds
	Potential to Emit (lb/hr)	Potential to Emit (tpy)	Potential to Emit (lb/hr)	Potential to Emit (tpy)	Potential to Emit (lb/hr)	Potential to Emit (tpy)	Potential to Emit (lb/hr)	Potential to Emit (tpy)	Potential to Emit (tpy)
NOx	0.23	1.01	0.00	0.00	0.23	1.01	0.00	0.00	10
CO	0.19	0.85	0.00	0.00	0.19	0.85	0.00	0.00	25
SO2	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	10
PM	3.99	17.47	0.00	0.00	3.99	17.47	0.00	0.00	5
PM10	2.87	12.58	0.00	0.00	2.87	12.58	0.00	0.00	5
PM2.5	2.07	9.07	0.00	0.00	2.07	9.07	0.00	0.00	5
VOC	8.07	35.45	0.71	3.13	8.78	38.58	0.71	3.13	10
CO2e	275.18	1205.29	0.00	0.00	275.18	1205.29	0.00	0.00	N/A
Ozone	0.00	0.00	4.44E-04	1.94E-03	4.44E-04	1.94E-03	4.44E-04	1.94E-03	N/A
Total HAP	0.48	2.11	0.00	0.00	0.48	2.11	0.00	0.00	25

Attachment 3

Process Flow Diagram



LEO

Express

Align top of FedEx Express Shipping Label here.

Received
State of Indiana
JUL 02 2023
Dept of Environmental Mgmt
Office of Air Quality

JS-1

ORIGIN ID:OTNA (317) 297-9341
SHIPPING DEPT
3M COMPANY
5406 WEST 78TH STREET

SHIP DATE: 01JUL24
ACTWGT: 0.45 LB
CAD: 0833138/CAFE3513

INDIANAPOLIS, IN 46268
UNITED STATES US

BILL SENDER

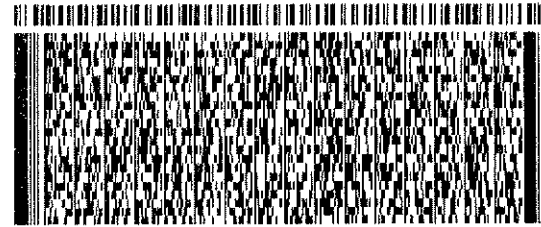
TO **ATTN: INCOMING APPLICATION**
IDEM AIR PERMITS ADMINISTRATION
100 NORTH SENATE AVENUE
MC 61 - 53
ROOM 1003
INDIANAPOLIS IN 462042251

(317) 734-3513
PHU:
PG:

REF:

DEPT:

The World Or



FedEx
Express



TUE - 02 JUL 4:30P

TRK# 7000 0745 5004

FedEx

TUE - 02 JUL AA
STANDARD OVERNIGHT

TRK# 0201 7332 2745 5261

53 GSHA

46204

IN-LR
INC



RT 809
FZ B08
6 17:00
A 5261
07.02

153148-434 MITW EXP 11/24 **