

July 1, 2024

Indiana Department of Environmental Management
Office of Air Quality, Air Permits Administration
ATTN: Incoming Application
100 N. Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

Received by
State of Indiana
IDEM - OAQ
Via Email 7/1/2024 KB-1

RE: *Federally Enforceable State Operating Permit Administrative Amendment*
CANPACK US, LLC – Muncie, IN
Source ID: 035-00116

To Whom It May Concern:

CANPACK US, LLC (CANPACK) owns a two-piece aluminum can manufacturing facility in Muncie, Indiana (Muncie Facility). The Indiana Department of Environmental Management (IDEM) issued CANPACK a Federally Enforceable State Operating Permit (FESOP) No. F035-44135-00116 on January 25, 2022, which was most recently amended by Administrative Amendment No. 035-45736-00116, issued on September 19, 2022. Based on recent test results, CANPACK is proposing to update the capture efficiency of the regenerative thermal oxidizer (RTO) used to control emissions from the inside spray machines and ovens used at the Muncie Facility. State forms are included in Attachment A and detailed potential to emit (PTE) calculations are included in Attachment B of this application.

The Muncie Facility is located at 2451 West Fuson Road in Muncie, Indiana in Delaware County, which has been designated as attainment or unclassifiable for all criteria pollutants¹. The Muncie Facility is a minor source under the Prevention of Significant Deterioration (PSD) permitting program and an area source of hazardous air pollutants (HAPs). The Muncie Facility is not one of 28 major stationary source categories specified in 326 IAC 2-2-1(ff)(1).

Permit Update

CANPACK is proposing to modify the PTE calculations related to the capture efficiency of the inside spray and ovens at the Muncie Facility. The PTE calculations in the current operating permit list a capture efficiency of 100% for inside spray and ovens. CANPACK has completed capture efficiency testing at the facility located at 1400 E Lackawanna Ave, in Olyphant, Pennsylvania (Pennsylvania Facility), which reflects a more accurate capture efficiency value of 96.2%. Therefore, CANPACK requests IDEM update the PTE calculations to reflect the updated capture efficiency, as shown in Attachment B.

The uncontrolled emissions from the inside spray and ovens will not change. No other emission unit will be affected by this proposed change. Therefore, the only update necessary to the permit as a result of this proposed change is the capture efficiency used in the PTE calculations.

CANPACK is proposing to update the language in section A.3(f) of the permit to reflect the current tanks on site as follows. Deleted language appears in strikethrough and added language appears in bold.

¹ 326 IAC 1-4-19.

(f) ~~Six (6)~~ **Nine (9)** Storage tanks, identified as ~~Internal Lacquer Tanks #1 through #4 and Overvarnish Tanks #1 and #2~~ **Tanks #1 through #4 and Tanks #11 through #14, each with a maximum capacity of 10,000 gallons, and Tank #9 with a maximum capacity of 8,000 gallons,** approved in 2021 for construction, each ~~with a maximum capacity of 8,000 gallons,~~ exhausting indoors.

Emissions Summary

Table 1 shows that there will be no increase in uncontrolled emissions from the facility as a result of this project.

TABLE 1. UNCONTROLLED POTENTIAL TO EMIT (TPY)

Uncontrolled Facility-Wide Emissions									
Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAP	Worst Single HAP
Existing Oven Emissions	0.28	1.11	1.11	0.00	0.00	0.80	0.00	0.34	0.03
Updated Oven Emissions	0.28	1.11	1.11	0.00	0.00	0.80	0.00	0.27	0.03
<i>PTE Increase RTO Emissions</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Inside Spray	52.87	52.87	52.87	0.00	0.00	1175.00	0.00	0.00	0.00
Updated Inside Spray	52.87	52.87	52.87	0.00	0.00	1175.00	0.00	0.00	0.00
<i>PTE Increase Inside Spray</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Tank Emissions	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
Updated Tank Emissions	0.00	0.00	0.00	0.00	0.00	0.02	0.00	3.00E-05	3.00E-05
<i>PTE Increase Tank Emissions</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00E-05	3.00E-05
Total PTE Increase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Minor Permit Revision Thresholds	5	5	5	10	10	10	25	2.5	1
Minor Permit Revision Required?	No	No	No	No	No	No	No	No	No

NOTES

¹ Worst single HAP is Hexane.

Regulatory Summary

The following section summarizes the air permitting requirements and the key air quality regulations that apply to the the Muncie Facility. There are no updates to NESHAP or NSPS applicability for the Muncie Facility as a result of this update.

Prevention of Significant Deterioration

The Muncie Facility is located in an attainment area for all pollutants². The Muncie Facility is not a major source under the PSD program as potential emissions of all PSD pollutants are less than 250 tpy.³ As such, for PSD review to be triggered, the emissions increases from the proposed updates need to be compared to the major source threshold for each PSD pollutant. As potential emissions from the proposed project are less than 250 tpy for all PSD pollutants, there is no need to compare the project emissions increase to the PSD major source thresholds. Hence, PSD review is not triggered.

Hazardous Air Pollutant Program (326 IAC 2-4.1)

The Muncie Facility is an area source of hazardous air pollutants (HAPs). The source-wide potential emissions of HAPs will not exceed 10 tpy for any individual HAP or 25 tpy for any combination of HAPs after the proposed project; therefore, the Muncie Facility will remain an area source of HAPs.

FESOP (326 IAC 2-8)

IDEM has already issued a FESOP to CANPACK for the Muncie Facility. For each modification of the permit, the facility wide emissions must be calculated to demonstrate emission levels are below the

² 326 IAC 1-4-19.

³ The Muncie Facility is not of the "list of 28" as referenced under 40 CFR 52.21(b)(1)(i)(a) and is therefore subject to the major source PSD threshold of 250 tpy.

Title V Operating Permit thresholds to ensure Title V permitting is not triggered and the facility can retain FESOP status. CANPACK is requesting no change to the current 50 tpy VOC limit for the inside spray, ink, and overvarnish as part of this application. As presented in Table 2 and in Attachment B, the facility wide limited emissions for all regulated pollutants at the Muncie Facility will remain below the Title V Operating Permit thresholds after the proposed update; therefore, the facility can still operate under a FESOP.

TABLE 2. FACILITY-WIDE LIMITED EMISSIONS (TPY)

Limited Facility-Wide Emissions

Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAP	Worst Single HAP
Plate Washing	0	0	0	0	0	0.66	0	0	0
Surface Cleaning	0	0	0	0	0	3.19	0	0	0
Ink Mixing	0	0	0	0	0	1.93	0	0	0
Cuppers	0	0	0	0	0	0.91	0	0	0
Bodymakers	0	0	0	0	0	0.00	0	0	0
Washers	0	0	0	0	0	1.50	0	0.03	0.03
UV Varnish	0	0	0	0	0	0.00	0	0	0
Tracers	0	0	0	0	0	1.66	0	0	0
RTO Emissions	0.44	1.76	1.76	0.14	45.80	0.80	87.17	0.44	0.26
Tanks	0	0	0	0	0	0.02268	0	3.00E-05	3.00E-05
Inside Spray	52.87	52.87	52.87	0	0	50.00	0	0	0
Ink	0	0	0	0	0		0	0	0
Overvarnish	0	0	0	0	0		0	0	0
Storage Tanks	0	0	0	0	0	0.02	0	3.00E-05	3.00E-05
Natural Gas - Stand Alone Stack	0.20	0.80	0.80	0.06	10.58	0.58	8.88	0.20	0.19
Fire Pump	0.03	0.03	0.03	0.19	0.62	0.23	0.53	2.36E-03	7.04E-04
Parts Washers	0	0	0	0	0	2.96	0	0	0
Paved Roadways	21.66	4.33	1.06	0	0	0	0	0	0
Total:	75.21	59.80	56.53	0.39	56.99	64.48	96.59	0.66	0.45
Total Excluding Fugitives:	53.55	55.47	55.47	0.39	56.99	59.35	96.59	0.66	0.45
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
Major Source?	No	No	No	No	No	No	No	No	No
PSD Major Source Thresholds	250	250	250	250	250	250	250	25	10
PSD Triggered?	No	No	No	No	No	No	No	No	No

Table 2. Worst Single HAP is Hexane

Administrative Amendment (326 IAC 2-8-10)

As shown in Table 1 and pursuant to 326 IAC 2-8-10(a) and 326 IAC 2-1.1-3(e), the proposed updates can be processed as an administrative amendment because this amendment will not increase the potential to emit (PTE) of any regulated pollutants above the thresholds in 326 IAC 2-1.1-3(e), nor result in any significant changes at the Muncie Facility. As such, this change may be addressed as an administrative amendment according to 326 IAC 2-8-10(a).

VOC Rules, Best Available Control Technology (326 IAC 8-1-6)

The provisions of 326 IAC 8-1-6 require the use of the best available control technology (BACT) for operations that are not subject to other provisions of this rule and have VOC emissions above 25 tons per year or greater located anywhere in the state. Emissions from the inside spray and ovens will continue to have potential VOC emissions less than 25 tpy considering the use of the regenerative thermal oxidizer (RTO); therefore, with the use of the RTO, the Muncie Facility is not subject to the requirements of 326 IAC 8-1-6.

If you have any questions regarding this application, please feel free to contact Geoffrey Bright of Trinity Consultants at 317-451-8104.

Sincerely,

Ginetta Cole

Ginetta Cole
EHS Supervisor
CANPACK US, LLC

Enclosures

cc: Geoffrey Bright (Trinity Consultants)

ATTACHMENT A. 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:	
035-48025-00116 AI# 128784	
DATE APPLICATION WAS RECEIVED:	
<p>Received by State of Indiana IDEM - OAQ Via Email 7/1/2024 KB-1</p>	

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: CANPACK US, LLC		3. Plant ID: 035 – 0116	
4. Billing Address: 1400 E. Lackawanna Ave			
City: Olyphant		State: PA	ZIP Code: 18447 –
5. Permit Level: <input type="checkbox"/> Exemption <input type="checkbox"/> Registration <input type="checkbox"/> SSOA <input type="checkbox"/> MSOP <input checked="" type="checkbox"/> FESOP <input type="checkbox"/> TVOP <input type="checkbox"/> PBR			
6. Application Summary: <i>Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.</i>			
<input type="checkbox"/> Initial Permit		<input type="checkbox"/> Renewal of Operating Permit	
<input type="checkbox"/> Review Request		<input type="checkbox"/> Revocation of Operating Permit	
<input type="checkbox"/> Interim Approval		<input type="checkbox"/> Relocation of Portable Source	
<input type="checkbox"/> Site Closure		<input type="checkbox"/> Emission Reduction Credit Registry	
<input type="checkbox"/> Transition (between permit levels)		<i>From: _____ To: _____</i>	
<input checked="" type="checkbox"/> Administrative Amendment:		<input type="checkbox"/> <i>Company Name Change</i> <input type="checkbox"/> <i>Change of Responsible Official</i> <input type="checkbox"/> <i>Correction to Non-Technical Information</i> <input checked="" type="checkbox"/> <i>Notice Only Change</i> <input type="checkbox"/> <i>Other (specify): _____</i>	
<input type="checkbox"/> Modification:		<input type="checkbox"/> <i>New Emission Unit or Control Device</i> <input type="checkbox"/> <i>Modified Emission Unit or Control Device</i> <input type="checkbox"/> <i>New Applicable Permit Requirement</i> <input type="checkbox"/> <i>Change to Applicability of a Permit Requirement</i> <input type="checkbox"/> <i>Prevention of Significant Deterioration</i> <input type="checkbox"/> <i>Emission Offset</i> <input type="checkbox"/> <i>MACT Preconstruction Review</i> <input type="checkbox"/> <i>Minor Source Modification</i> <input type="checkbox"/> <i>Significant Source Modification</i> <input type="checkbox"/> <i>Minor Permit Modification</i> <input type="checkbox"/> <i>Significant Permit Modification</i> <input type="checkbox"/> <i>Other (specify): _____</i>	
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.

Angel Fernandez-Carbonell
Name (typed)

Regional US Manager - CANPACK US
Title

Signature

Date

06/25/2024

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

State Form 50640 (R5 / 1-10)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Received by
State of Indiana
IDEM - OAQ

Via Email 7/1/2024 KB-1

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-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: CANPACK US, LLC		2. Plant ID: 035 – 00116	
3. Location Address: 2451 West Fuson Road			
City: Muncie	State: IN	ZIP Code: 47302 –	
4. County Name: Delaware		5. Township Name: Monroe	
6. Geographic Coordinates:			
Latitude: 40°08'45.78"		Longitude: 85°24'35.77"	
7. Universal Transferred Mercator Coordinates (if known):			
Zone:	Horizontal:	Vertical:	
8. Adjacent States: Is the source located within 50 miles of an adjacent state? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – <i>Indicate Adjacent State(s):</i> <input type="checkbox"/> Illinois (IL) <input type="checkbox"/> Michigan (MI) <input checked="" 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 checked="" type="checkbox"/> No <input 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: Ginetta Cole

19. Title (optional): EHS Supervisor

20. Mailing Address: 2451 W. Fuson Rd

City: Muncie

State: IN

ZIP Code: 47302 –

21. Electronic Mail Address (optional): ginetta.cole@canpack.com

22. Telephone Number: (484) 878 – 9750

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: Angel Fernandez-Carbonell

25. Title: Regional US Manager

26. Mailing Address: 1400 E. Lackawanna Ave

City: Olyphant

State: PA

ZIP Code: 18447 –

27. Telephone Number: (419) 819 – 8076

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:** Angel Fernandez-Carbonell

PART E: Owner Information

30. Company Name of Owner: CANPACK US, LLC

31. Name of Owner Contact Person: Joshua Ballard

32. Mailing Address: 2451 West Fuson Road

City: Muncie

State: IN

ZIP Code: 47302 –

33. Telephone Number: (484) 345 – 1163

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: Trinity Consultants

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

42. Name of Agent Contact Person: Geoffrey Bright

43. Mailing Address: 8900 Keystone Crossing, Suite 1070

City: Indianapolis	State: IN	ZIP Code: 46240 –
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44. Electronic Mail Address (optional): geoffrey.bright@trinityconsultants.com

45. Telephone Number: (317) 496 – 2444 **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: within 10 days of application submittal (if applicable)

49. Name of Library: Kennedy Library

50. Name of Librarian (optional):

51. Mailing Address: 1700 W. McGalliard Rd.

City: Muncie	State: IN	ZIP Code: 47304 –
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52. Internet Address (optional):

53. Electronic Mail Address (optional):

54. Telephone Number: (765) 741 – 9727 **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
Not Applicable	to
	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:**

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 can manufacturing	Metal cans	3411	332431

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
45736	Administrative Amendment	1/25/2027
45279	Minor Permit Revision	1/25/2027
44135	Initial FESOP	1/25/2027

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
	Not Applicable			

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
			See Application Narrative			

ATTACHMENT B. EMISSION CALCULATIONS

**Emission Calculations
Source-wide Summary**

Company Name: CANPACK US, LLC
Address: 2451 W Fuson Road, Muncie, Indiana 47302

Uncontrolled Facility-Wide Emissions

Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAP	Worst Single HAP ¹
Plate Washing	0	0	0	0	0	0.66	0	0	0
Surface Cleaning	0	0	0	0	0	3.19	0	0	0
Ink Mixing	0	0	0	0	0	1.93	0	0	0
Cuppers	0	0	0	0	0	0.91	0	0	0
Bodymakers	0	0	0	0	0	0.00	0	0	0
Washers	0	0	0	0	0	1.50	0	0.03	0.03
UV Varnish	0	0	0	0	0	0.00	0	0	0
Tracers	0	0	0	0	0	1.66	0	0	0
RTO Emissions	0.44	1.76	1.76	0.14	45.80	0.80	87.17	0.44	0.26
Tanks	0.00	0.00	0.00	0.00	0.00	0.02	0.00	3.00E-05	3.00E-05
Inside Spray	52.87	52.87	52.87	0	0	1,175.00	0	0	0
Ink	0	0	0	0	0	67.87	0	0	0.00E+00
Overvarnish	0	0	0	0	0	193.74	0	0	0
Storage Tanks	0	0	0	0	0	0.02	0	3.00E-05	3.00E-05
Natural Gas - Stand Alone Stack	0.20	0.80	0.80	0.06	10.58	0.58	8.88	0.20	0.19
Fire Pump	0.03	0.03	0.03	0.19	0.62	0.23	0.53	2.36E-03	7.04E-04
Parts Washers	0	0	0	0	0	2.96	0	0	0
Paved Roadways	43.32	8.66	2.13	0	0	0	0	0	0
Total:	96.87	64.13	57.60	0.39	56.99	1451.09	96.59	0.66	0.45
Total Excluding Fugitives:	53.55	55.47	55.47	0.39	56.99	1445.97	96.59	0.66	0.45
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
Major Source?	No	No	No	No	No	Yes	No	No	No
PSD Major Source Thresholds	250	250	250	250	250	250	250	25	10
PSD Triggerred?	No	No	No	No	No	Yes	No	No	No

Limited Facility-Wide Emissions

Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAP	Worst Single HAP
Plate Washing	0	0	0	0	0	0.66	0	0	0
Surface Cleaning	0	0	0	0	0	3.19	0	0	0
Ink Mixing	0	0	0	0	0	1.93	0	0	0
Cuppers	0	0	0	0	0	0.91	0	0	0
Bodymakers	0	0	0	0	0	0.00	0	0	0
Washers	0	0	0	0	0	1.50	0	0.03	0.03
UV Varnish	0	0	0	0	0	0.00	0	0	0
Tracers	0	0	0	0	0	1.66	0	0	0
RTO Emissions	0.44	1.76	1.76	0.14	45.80	0.80	87.17	0.44	0.26
Tanks	0	0	0	0	0	0.02268	0	3.00E-05	3.00E-05
Inside Spray	52.87	52.87	52.87	0	0	50.00	0	0	0
Ink	0	0	0	0	0		0	0	0
Overvarnish	0	0	0	0	0		0	0	0
Storage Tanks	0	0	0	0	0		0.02	0	3.00E-05
Natural Gas - Stand Alone Stack	0.20	0.80	0.80	0.06	10.58	0.58	8.88	0.20	0.19
Fire Pump	0.03	0.03	0.03	0.19	0.62	0.23	0.53	2.36E-03	7.04E-04
Parts Washers	0	0	0	0	0	2.96	0	0	0
Paved Roadways	21.66	4.33	1.06	0	0	0	0	0	0
Total:	75.21	59.80	56.53	0.39	56.99	64.48	96.59	0.66	0.45
Total Excluding Fugitives:	53.55	55.47	55.47	0.39	56.99	59.35	96.59	0.66	0.45
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
Major Source?	No	No	No	No	No	No	No	No	No
PSD Major Source Thresholds	250	250	250	250	250	250	250	25	10
PSD Triggerred?	No	No	No	No	No	No	No	No	No

Controlled Facility-Wide Emissions

Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAP	Worst Single HAP
Plate Washing	0	0	0	0	0	0.66	0	0	0
Surface Cleaning	0	0	0	0	0	3.19	0	0	0
Ink Mixing	0	0	0	0	0	1.93	0	0	0
Cuppers	0	0	0	0	0	0.91	0	0	0
Bodymakers	0	0	0	0	0	0.00	0	0	0
Washers	0	0	0	0	0	1.50	0	0.03	0.03
UV Varnish	0	0	0	0	0	0.00	0	0	0
Tracers	0	0	0	0	0	1.66	0	0	0
RTO Emissions	0.19	0.77	0.77	0.14	45.80	0.80	87.17	0.17	0.16
Tanks	0.00	0.00	0.00	0.00	0.00	0.02	0.00	3.00E-05	3.00E-05
Inside Spray	5.29	5.29	5.29	0	0	82.70	0	0	0
Ink	0	0	0	0	0		0	0	0
Overvarnish	0	0	0	0	0		0	0	0
Storage Tanks	0	0	0	0	0		0.02	0	3.00E-05
Natural Gas - Stand Alone Stack	0.20	0.80	0.80	0.06	10.58	0.58	8.88	0.20	0.19
Fire Pump	0.03	0.03	0.03	0.19	0.62	0.23	0.53	2.36E-03	7.04E-04
Parts Washers	0	0	0	0	0	2.96	0	0	0
Paved Roadways	21.66	4.33	1.06	0	0	0	0	0	0
Total:	27.37	11.22	7.95	0.39	56.99	97.18	96.59	0.40	0.35
Total Excluding Fugitives:	5.71	6.89	6.89	0.39	56.99	92.06	96.59	0.40	0.35
Title V Major Source Thresholds	-	100	100	100	100	100	100	25	10
Major Source?	No	No	No	No	No	No	No	No	No
PSD Major Source Thresholds	250	250	250	250	250	250	250	25	10
PSD Triggerred?	No	No	No	No	No	No	No	No	No

NOTES

¹ Worst single HAP is Hexane.

**Emission Calculations
Amendment Summary**

Company Name: CANPACK US, LLC

Address: 2451 W Fuson Road, Muncie, Indiana 47302

Uncontrolled Facility-Wide Emissions

Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAP	Worst Single HAP
Existing Oven Emissions	0.28	1.11	1.11	0.00	0.00	0.80	0.00	0.34	0.03
Updated Oven Emissions	0.28	1.11	1.11	0.00	0.00	0.80	0.00	0.27	0.03
<i>PTE Increase RTO Emissions</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing Inside Spray	52.87	52.87	52.87	0.00	0.00	1175.00	0.00	0.00	0.00
Updated Inside Spray	52.87	52.87	52.87	0.00	0.00	1175.00	0.00	0.00	0.00
<i>PTE Increase Inside Spray</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Existing Tank Emissions</i>	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
<i>Updated Tank Emissions</i>	0.00	0.00	0.00	0.00	0.00	0.02	0.00	3.00E-05	3.00E-05
<i>PTE Increase Tank Emissions</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00E-05	3.00E-05
Total PTE Increase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Minor Permit Revision Thresholds	5	5	5	10	10	10	25	2.5	1
Minor Permit Revision Required?	No	No	No	No	No	No	No	No	No

NOTES

¹ Worst single HAP is Hexane.

**Emission Calculations
Coating Emissions Summary from RTO-Controlled Sources**

Company Name: CANPACK US, LLC
Address: 2451 W Fuson Road, Muncie, Indiana 47302

RTO Control Efficiency (VOC)	98.0
RTO Control Efficiency (HAP)	98.0
Inside Spray and Ovens Capture Efficiency	96.2
Decorator Ink Capture Efficiency	85
Overvarnish Capture Efficiency	99.9
PM Control Efficiency	90

RTO-Controlled Sources - Facility-wide Coating Operations ¹

	Uncontrolled					Uncaptured Fugitive and Controlled					
	Inside Spray (tpy)	Ink (tpy)	Overvarnish (tpy)	Ovens (tpy)	Uncontrolled (tpy)	Inside Spray (tpy)	Ink (tpy)	Overvarnish (tpy)	Ovens (tpy)	Controlled ² (tpy)	Limited ³ (tpy)
VOC	1175.00	67.87	193.74	0.80	1437.42	67.26	11.33	4.06	0.05	82.70	50.00
PM	52.87	0	0	0.28	53.15	5.29	0	0	0.03	5.32	0.00
PM ₁₀	52.87	0	0	1.11	53.98	5.29	0	0	0.11	5.40	0.00
PM _{2.5}	52.87	0	0	1.11	53.98	5.29	0	0	0.11	5.40	0.00
Methanol	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	0.00
Xylenes	n/a	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	0	0.00
Total HAP	0	0	0	2.74E-01	2.74E-01	0	0	0	1.57E-02	1.57E-02	0.00

NOTES

¹ Combustion emissions from RTOs are calculated separately.

² Lines are controlled by cyclone and dust collector followed by RTO. Control efficiency for the dust collector is based on the manufacturer's guarantee of MERV 15 (90%). VOC emissions are calculated based on the emission guarantee of 98% removal efficiency. Control efficiency for HAP emissions is assumed to be 98%. Capture efficiency is assumed to be 96.2% for the inside spray and ovens based on testing at Canpack US, LLC's Pennsylvania plant, 85% for the decorator inks based on testing at Canpack US, LLC's Pennsylvania plant, and 99.9% for the overvarnish based on the design of the close capture hoods.

³The source requested to adopt 50 tons per year as the VOC limit for the Inside Spray, Ink and Overvarnish

**Emission Calculations
Tank Summary**

Company Name: CANPACK US, LLC

Address: 2451 W Fuson Road, Muncie, Indiana 47302

Operating Permit No.: F 035-44135-00116

Minor Permit Revision No.: 035-45279-00116

Reviewer: Wilfredo de la Rosa

Description	Number of Tanks	Throughput	Liquid Density	Tank Capacity
		(gal/yr)	(lb/gal)	(gal)
Inside Spray Coating A Tanks #1 and #2	2	123,792	8.35	10,000
Inside Spray Coating B Tanks #3 and #4	2	316,002	8.43	10,000
Over Varnish A Tanks #11 and #12	2	1,519	8.90	10,000
Over Varnish A Tanks #13 and #14	2	7,473	8.65	10,000
Neat Oil tank #9	1	252,801	9.18	8,000

Description	Estimated VOC Emissions	Total VOC Emissions	Estimated HAP Emissions	Total HAP Emissions
	(lb/yr)	(tpy)	(lb/yr)	(tpy)
Inside Spray Coating A Tanks #1 and #2	5.06	2.53E-03	0	0
Inside Spray Coating B Tanks #3 and #4	15.00	7.50E-03	0	0
Over Varnish A Tanks #11 and #12	1.38	6.90E-04	0	0
Over Varnish A Tanks #13 and #14	2.50	1.25E-03	6.00E-02	3.00E-05
Neat Oil tank #9	21.42	1.07E-02	0	0
Total:	45.36	2.27E-02	6.00E-02	3.00E-05

NOTES

Emissions calculated using TANKS 4.0.9d