Commonwealth of Kentucky
Division for Air Quality

STATEMENT OF BASIS / SUMMARY

Conditional Major, Operating
Permit: F-26-033

Kimball International, Inc. - Danville
259 Stewarts Lane N.
Danville, KY 40422

July 13, 2026
Jonathon Hughes, Reviewer

SOURCE ID:	21-021-00021
AGENCY INTEREST:	371
ACTIVITY:	APE20260001

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SECTION 1 – SOURCE DESCRIPTION

SIC Code and description: 2512, Wood Household Furniture, Upholstered

Single Source Det. ☐ Yes ☒ No If Yes, Affiliated Source AI:

Source-wide Limit ☒ Yes ☐ No If Yes, See Section 4, Table A

28 Source Category ☐ Yes ☒ No If Yes, Category:

County: Boyle
Nonattainment Area ☒ N/A ☐ PM_{10} ☐ $PM_{2.5}$ ☐ CO ☐ NO_X ☐ SO_2 ☐ Ozone ☐ Lead
If yes, list Classification:

PTE* greater than 100 tpy for any criteria air pollutant ☒ Yes ☐ No
If yes, for what pollutant(s)?
☐ PM_{10} ☐ $PM_{2.5}$ ☐ CO ☐ NO_X ☐ SO_2 ☒ VOC

PTE* greater than 250 tpy for any criteria air pollutant ☒ Yes ☐ No
If yes, for what pollutant(s)?
☐ PM_{10} ☐ $PM_{2.5}$ ☐ CO ☐ NO_X ☐ SO_2 ☒ VOC

PTE* greater than 10 tpy for any single hazardous air pollutant (HAP) ☒ Yes ☐ No
If yes, list which pollutant(s): Xylenes (Total)

PTE* greater than 25 tpy for combined HAP ☐ Yes ☒ No

*PTE does not include self-imposed emission limitations.

Description of Facility:
Kimball International, Inc. - Danville is an upholstered furniture manufacturing facility.

SECTION 2 – CURRENT APPLICATION AND EMISSION SUMMARY FORM

Permit Number: F-26-033 Activities: APE20260001

Received: May 14, 2026 Application Complete Date: July 9, 2026

Permit Action: ☐ Initial ☒ Renewal ☐ Significant Rev ☐ Minor Rev ☐ Administrative

Construction/Modification Requested? ☐Yes ☒No

Previous 502(b)(10) or Off-Permit Changes incorporated with this permit action ☒Yes ☐No

APE20220001: Replacement of dust collection baghouse with a Torit dust collector. Issued 4/29/2022.

Description of Action:
Renewal permit with no equipment changes requested. The facility name has changed from National Office Furniture - Danville to Kimball International, Inc. - Danville.

F-26-033 Emission Summary		
Pollutant	2025 Actual (tpy)	PTE F-26-033 (tpy)
CO	0.082	1.84
NOx	0.098	2.19
PT	0.251	13.6
PM_{10}	0.251	11.7
$PM_{2.5}$	0.233	11.1
SO_2	0.001	0.013
VOC	2.28	287*
Lead	0	0
Greenhouse Gases (GHGs)		
Carbon Dioxide	118	2624
Methane	0.002	0.05
Nitrous Oxide	0.002	0.05
CO_2 Equivalent (CO_2e)	119	2639
Hazardous Air Pollutants (HAPs)		
Ethyl Benzene	0.084	3.98
Methyl Isobutyl Ketone	0.001	0.50
Toluene	0.045	3.33
Xylenes (Total)	0.359	16.9*
Combined HAPs:	0.489	24.8

* Note: Emissions limited by federally-enforceable emission limitations to ensure the source remains below major source thresholds to be classified as major stationary source as defined in 401 KAR 52:001.

SECTION 3 – EMISSIONS, LIMITATIONS AND BASIS

Emission Unit 001 Woodworking Operations				
Pollutant	**Emission Limit or Standard**	**Regulatory Basis for Emission Limit or Standard**	**Emission Factor Used and Basis**	**Compliance Method**
PM	$P = 4.10E^{0.67}$	401 KAR 61:020, Section 3(2) (a)	1.3 lb/ton wood processed	Torit Dust Collector, 99% C.E.
	40% Opacity	401 KAR 61:020, Section 3(1) (a)	N/A	Weekly visual observation

Initial Construction Date: 01/1969; Dust collector 2022

Process Description:
Raw materials consisting of lumber and purchased wood parts are processed in the following series of woodworking tools: planers, saws, boring machines, routers, and sanding equipment. Each wood part is processed differently in the woodworking mill: some parts may be processed on the same piece of equipment several times while other parts may skip several of the operations all together. Wood scrap from each piece of equipment is collected and disposed of in a landfill. Emissions are routed through ductwork to the wood dust removal dust collector. Some exhaust air is returned to the machine room.

Process Weight Rate: 1.65 tons per hour. The density of the wood is 2.75 lbs per board foot.
Capacity: 1200 Board Feet/ hr.

Applicable Regulations:
401 KAR 61:020, Existing process operations**,** is applicable to each affected facility or source, associated with process operations, which are not subject to another emission standard with respect to particulate matter emissions commenced before July 2, 1975.

Comments:
Facility provided manufacturer's specifications for the Torit Dust Collector as part of APE20260001 on November 11, 2026. These should be maintained on site.

Emission Unit 002 Painting Operations				
Pollutant	**Emission Limit or Standard**	**Regulatory Basis for Emission Limit or Standard**	**Emission Factor Used and Basis**	**Compliance Method**
VOC	Source wide 90 tpy	401 KAR 52:030	Material Balance & SDS	Recordkeeping, 12 month rolling total
HAP	Source wide 9/22.5 tpy single/combined	401 KAR 52:030	Material Balance & SDS	Recordkeeping, 12 month rolling total
PM	2.34 lbs/hr	401 KAR 59:010, Section 3(2)	Material Balance & MSDS with 60% Transfer Efficiency	Dry Filters, 80 % C.E.
	20% Opacity	401 KAR 59:010, Section 3(1)	N/A	Weekly visual observation

Initial Construction Dates: See below

Process Description:
Shaped products are transferred to the assembly process. After assembly, the parts are transferred to the finishing room and processed on the main finish line that consists of five spray booths and a drying oven. All of the spray booths are equipped with exhaust air filters. The coated parts are then transferred to the upholstery department. Fabric and foam is attached to the finished furniture product with staples. Finished products are then packaged and shipped. A two part foam material is made onsite using nonvolatile components for shipping purposes.

EP 02: Booth 1, 3 Step Toner
EP 03: Booth 2, 3 Step Toner
EP 04: Booth 3, Topcoat Sealer
EP 05: Booth 4, Washcoat
EP 08: Booth 5, 3 Step Toner
EU 06: Oven (0.5 MMBtu/hr) (Insignificant Activity)

Capacity: 11.6 gal/hr for all booths combined
Construction Commenced: 1991 (Booths 1-4) & 2003 (Booth 5)

Applicable Regulations:
401 KAR 59:010, New process operations. This regulation is applicable to each affected facility, associated with a process operation, which is not subject to another emission standard with respect to particulates, commenced on or after July 2, 1975.

State-Origin Requirements:
401 KAR 63:020, Potentially hazardous matter or toxic substances, applicable to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

Precluded Regulations:
401 KAR 63:002, Section 2(4)(z) 40 C.F.R. 63.800 through 63.808, Tables 1 through 6 (Subpart JJ), National Emission Standards for Wood Furniture Manufacturing Operations, is applicable to any major source that is engaged, either in part or in whole, in the manufacture of wood furniture or wood furniture

Emission Unit 002 Painting Operations

components. Since the source has accepted emission limits pertaining to single and combined HAP(s) and VOC, which classifies the facility to be a Conditional Major source, this subpart is not applicable.

Comments:
Air toxics screening performed in the 2016 renewal (APE20160001) identified Ethyl Benzene potential emissions as exceeding the RSL. Refined modeling was performed at that time and found that the emissions would NOT exceed the RSL at the PTE and no emissions limit would be required. There has been no increase in the PTE of Ethyl Benzene, change to stack parameters or change in its RSL since the refined modeling was completed so new modeling is not needed at this time. If any of these parameters change in the future, the modeling will need to be performed again.

80% is used for the filter C.E. as a conservative engineering estimate based on type of filter used.

SECTION 3 – EMISSIONS, LIMITATIONS AND BASIS (CONTINUED)

Testing Requirements\Results

Emission Unit(s)	Control Device	Parameter	Regulatory Basis	Frequency	Test Method	Permit Limit	Test Result	Thruput and Operating Parameter(s) Established During Test	Activity Graybar	Date of last Compliance Testing
NA										

Footnotes:

SECTION 4 – SOURCE INFORMATION AND REQUIREMENTS

Table A - Group Requirements:

Emission and Operating Limit	Regulation	Emission Unit
90 tpy of VOC emissions	401 KAR 52:030, Federally-enforceable permits for nonmajor sources	Source-wide
9.0 tpy of individual HAP emissions	To preclude major source status for HAP	Source-wide
22.5 tpy of combined HAP emissions	To preclude major source status for HAP	Source-wide

Table B - Summary of Applicable Regulations:

Applicable Regulations	Emission Unit
401 KAR 59:010, New process operations	002
401 KAR 61:020, Existing process operations	001
401 KAR 63:020, Potentially hazardous matter or toxic substances.	002

Table C - Summary of Precluded Regulations:

Precluded Regulations	Emission Unit
401 KAR 63:002, Section 2(4)(z) 40 C.F.R. 63.800 through 63.808, Tables 1 through 6 (Subpart JJ), National Emission Standards for Wood Furniture Manufacturing Operations	Source-wide
401 KAR 52:020, Title V permits	Source-wide
401 KAR 51:017, Prevention of significant deterioration of air quality	Source-wide

Table D - Summary of Non Applicable Regulations:

N/A

Air Toxic Analysis

401 KAR 63:020, *Potentially Hazardous Matter or Toxic Substances*
The Division for Air Quality (Division) has performed modeling using SCREEN View on July 14, 2026 of potentially hazardous matter or toxic substances (Naphthalene, Toluene, Methyl Isobutyl Ketone, Methanol and Xylene) that may be emitted by the facility based upon the process rates, material formulations, stack heights and other pertinent information provided by the applicant. Based upon this information, the Division has determined that the conditions outlined in this permit will assure compliance with the requirements of 401 KAR 63:020.

SECTION 4 – SOURCE INFORMATION AND REQUIREMENTS (CONTINUED)

401 KAR 63:020, *Potentially Hazardous Matter or Toxic Substances*
The Division previously performed modeling using AERMOD on August 15, 2016 of potentially hazardous matter or toxic substances (Ethyl Benzene) that may be emitted by the facility based upon the process rates, material formulations, stack heights and other pertinent information provided by the applicant. Based upon this information, the Division has determined that the conditions outlined in this permit will assure compliance with the requirements of 401 KAR 63:020. Refer to discussion in Section 3 for further detail.

Single Source Determination
N/A

SECTION 5 – PERMITTING HISTORY

Permit	Permit Type	Activity #	Complete Date	Issuance Date	Summary of Action	PSD/Syn Minor
F-00-034	Initial	53340	1/10/2001	2/11/2002	Initial Construction Permit	N/A
F-00-034 R1	Minor Revision	54892	9/24/2002	7/24/2003	Add an Adhesive Spray Booth(EP 7). VOC PTE now >250 TPY	Syn Minor
F-06-042	Renewal	APE20050002	7/18/2006	10/17/2006	Renewal	N/A
F-11-048	Renewal	APE20110001	7/18/2011	11/14/2011	Renewal	N/A
F-16-035	Renewal	APE20160001	7/19/2016	10/24/2016	Renewal	N/A
F-21-035	Renewal	APE20210001	6/18/2021	12/1/2021	Renewal	N/A

SECTION 6 – PERMIT APPLICATION HISTORY

N/A

APPENDIX A – ABBREVIATIONS AND ACRONYMS

AAQS – Ambient Air Quality Standards
BACT – Best Available Control Technology
Btu – British thermal unit
CAM – Compliance Assurance Monitoring
CO – Carbon Monoxide
Division – Kentucky Division for Air Quality
ESP – Electrostatic Precipitator
GHG – Greenhouse Gas
HAP – Hazardous Air Pollutant
HF – Hydrogen Fluoride (Gaseous)
MSDS – Material Safety Data Sheets
mmHg – Millimeter of mercury column height
NAAQS – National Ambient Air Quality Standards
NESHAP – National Emissions Standards for Hazardous Air Pollutants
NO_x – Nitrogen Oxides
NSR – New Source Review
PM – Particulate Matter
PM_{10} – Particulate Matter equal to or smaller than 10 micrometers
$PM_{2.5}$ – Particulate Matter equal to or smaller than 2.5 micrometers
PSD – Prevention of Significant Deterioration
PTE – Potential to Emit
SO_2 – Sulfur Dioxide
TF – Total Fluoride (Particulate & Gaseous)
VOC – Volatile Organic Compounds