Commonwealth of Kentucky
Division for Air Quality

STATEMENT OF BASIS / SUMMARY

Conditional Major, Construction / Operating
Permit: F-25-49

Altec Industries, Inc.
200 Altec Dr
Elizabethtown, KY 42701

November 17, 2025
Nathan Cox, Reviewer

Source ID:	21-093-00081
Agency Interest #:	1644
Activity ID:	APE20250003

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SECTION 1 – SOURCE DESCRIPTION

SIC Code and description: 3713, Truck and Bus Bodies.

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: Hardin
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): Styrene

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

*PTE does not include self-imposed emission limitations.

Description of Facility:
Altec Industries, Inc. (Altec) manufactures hydraulic lift trucks for use by utility companies. Operations at the facility consist of the fabrication and assembly of hydraulic booms, assembly of fabricated components and box beds onto truck chassis, and painting of aerial device components and completed trucks to customer specifications. The truck chassis, box beds, and hydraulic components are manufactured off-site by a third party. Altec also performs service operations including the installation, repair, and rebuilding of Altec equipment already owned by customers. The source owns two buildings at 200 Altec Dr. in Elizabethtown, KY.

SECTION 2 – CURRENT APPLICATION

Permit Number: F-25-049 Activity: APE20250003

Application Received: 11/4/2025 Application Complete: 11/19/2025

Permit Action: ☒ Initial ☐ Renewal
☐ Revision (Select one of the following)
☐ Section 12. Actions that Require a Permit or Permit Revision in Advance
☐ Section 13. Actions that Do Not Require a Permit Revision in Advance
☐ Section 14. Change of Ownership or Name of Permittee

Description of Action:

- Initial Conditional Major Construction / Operating permit.
- Construct EU 18 Gelcoat Spray Booth (GC-1) and EU 19 Infusion Molding, Tooling, and Mold Prep Areas (IM-1).
- Add second fiberglass router to EU 15 Fiberglass Routers, an insignificant activity.
- Remove EU 12 Make Up Air Unit (Large).

F-25-049 Emission Summary		
Pollutant	2024 Actual (tpy)	PTE F-25-049 (tpy)
CO	2.2	20.12
NO_X	1.8	19.94
PT	1.3	6.46
PM_{10}	1.3	6.41
$PM_{2.5}$	1.3	6.40
SO_2	0.01	0.11
VOC	8.1	64.68
Lead	0	9.28E-05
Greenhouse Gases (GHGs)		
Carbon Dioxide	1,793	22,310
Methane	0.04	0.44
Nitrous Oxide	0.03	0.40
CO_2 Equivalent (CO_2e)	1,803	22,427
Hazardous Air Pollutants (HAPs)		
Hexane	0	1.04
Methyl Methacrylate	0	4.13
Styrene	0	22.23*
Toluene	0	1.06
Combined HAPs:	0	29.45*

**Emissions limited by federally-enforceable emission limitations to ensure the source remains below major source thresholds.*

SECTION 3 – EMISSIONS, LIMITATIONS AND BASIS

Emission Unit #03 Spray Paint Booth
Emission Unit #04 Spray Paint Booth
Emission Unit #05 Spray Paint Booth
Emission Unit #06 Spray Paint Booth

Pollutant	Emission Limit or Standard	Regulatory Basis for Emission Limit or Standard	Emission Factor Used and Basis	Compliance Method
PM	2.34 lbs/hr	401 KAR 59:010, Section 3(2)	Material Balance & MSDS with 50% Transfer Efficiency	Dry Filters, 99% C.E., Manufacturer's guarantee
	20% Opacity	401 KAR 59:010, Section 3(1)a	N/A	Recordkeeping of weekly visual observations
Single HAP	<10.0 tpy of individual HAP emissions source-wide	To Preclude 401 KAR 52:020	Material Balance & SDS	Recordkeeping Requirements
Combined HAP	<25 tpy of combined HAP emissions source-wide	To Preclude 401 KAR 52:020	Material Balance & SDS	Recordkeeping Requirements

Initial Construction Date: 1/1998

Process Description:
Four paint booths and four natural gas-fired drying ovens are used to apply spray coatings to plastic and metal substrates. Each booth has a 3.75 gal/hr throughput capacity. Each oven has a 2.5344 MMBtu/hr heating capacity.

Applicable Regulation:
401 KAR 59:010, *New process operations* is applicable to operations commenced after July 2, 1975, that may emit particulate matter (PM) and whose PM emissions are not otherwise subject to any other provisions of 401 KAR 59.

401 KAR 63:020, *Potentially hazardous matter or toxic substances* is applicable to any activity which emits or may emit matter that may be harmful to the health and welfare of humans, animals, and plants. The spray coatings used in each paint booth and the natural gas combustion by each oven have the potential to emit such matter.

Comments:
Each spray booth is equipped with a filter with a specified control efficiency for particulate emissions of 99%.

40 CFR 63, Subpart HHHHHH is not applicable because the coatings used in the process do not contain the target metal HAP to which the regulation applies. The Division received a form from Altec certifying their exemption from Subpart HHHHHH based on this criteria on July 31, 2025.

Emission Unit #13 Miscellaneous Chemical Usage				
Pollutant	**Emission Limit or Standard**	**Regulatory Basis for Emission Limit or Standard**	**Emission Factor Used and Basis**	**Compliance Method**
PM	2.34 lbs/hr	401 KAR 59:010, Section 3(2)	Material Balance & MSDS with 30%/100% Transfer Efficiency	Maximum potential emission rate is below emission limit.
	20% Opacity	401 KAR 59:010, Section 3(1)a	N/A	Recordkeeping of weekly visual observations
Single HAP	<10.0 tpy of individual HAP emissions source-wide	To Preclude 401 KAR 52:020	Material Balance & SDS	Recordkeeping Requirements
Combined HAP	<25 tpy of combined HAP emissions source-wide	To Preclude 401 KAR 52:020	Material Balance & SDS	Recordkeeping Requirements

Initial Construction Date: 1/1998

Process Description:
Paints, primers, adhesives, and greases may be applied outside of spray booths from aerosol cans. They may also be hand-applied.

Applicable Regulation:
401 KAR 59:010, *New process operations* is applicable to operations commenced after July 2, 1975, that may emit particulate matter (PM) and whose PM emissions are not otherwise subject to any other provisions of 401 KAR 59.

401 KAR 63:020, *Potentially hazardous matter or toxic substances* is applicable to any activity which emits or may emit matter that may be harmful to the health and welfare of humans, animals, and plants. The miscellaneous chemicals used in this process may contain such matter.

Comments:
Previously listed as insignificant activity “aerosols.”

Transfer efficiency assumed 30% for aerosols, 100% for roll/brush on adhesives.

PTE estimated based on analysis of historic and expected annual usage scaled up by a conservative safety factor.

Emission Unit #14 Emergency Generator				
Pollutant	**Emission Limit or Standard**	**Regulatory Basis for Emission Limit or Standard**	**Emission Factor Used and Basis**	**Compliance Method**
Single HAP	<10.0 tpy of individual HAP emissions source-wide	To Preclude 401 KAR 52:020	AP-42 Table 3.2-3	Recordkeeping Requirements
Combined HAP	<25 tpy of combined HAP emissions source-wide	To Preclude 401 KAR 52:020	AP-42 Table 3.2-3	Recordkeeping Requirements

Initial Construction Date: 12/2021

Process Description:
Rated output: 153 bhp
Total displacement: 8.9 L
Engine cycle: 4-stroke rich
Fuel: Natural Gas
Manufactured: 2021
Installation commenced: 2021

Applicable Regulation:
401 KAR 60:005, Section 2(2)(ppp), 40 C.F.R. 60.4230 through 60.4248, Tables 1 through 4 (Subpart JJJJ), *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*.

401 KAR 63:002 Section 2(4)(eeee), 40 C.F.R. 63.6580 through 63.6675, Tables 1a through 8, and Appendix A (Subpart ZZZZ), *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*

Insignificant Activity 21: Laser Cutter (15 kW)

Initial Construction Date: 12/2021

Process Description:
A 15-kW laser is used to cut metal, including steel and aluminum. The emissions from the cutting process are captured and controlled by an integral control device in the laser cutter.

Applicable Regulation:
401 KAR 59:010, *New process operations* is applicable to operations commenced after July 2, 1975, that may emit particulate matter (PM) and whose PM emissions are not otherwise subject to any other provisions of 401 KAR 59.

Comments:
Qualifies as insignificant activity based on controlled PM PTE because the control device is integral to the operation of the laser cutter.

IA23 (EP15): Fiberglass Routers (Insignificant Activity)
IA23 (EP16): Plastics Router (Insignificant Activity)
EP17: Gantry Mill (Insignificant Activity)

Pollutant	Emission Limit or Standard	Regulatory Basis for Emission Limit or Standard	Emission Factor Used and Basis	Compliance Method
PM	2.34 lbs/hr	401 KAR 59:010, Section 3(2)	Manufacturer Data	Integral dust collector with 95% C.E.
	20% Opacity	401 KAR 59:010, Section 3(1)a	N/A	Recordkeeping of monthly visual observations

Initial Construction Date: EP15: 5/5/2022 & Projected 2029 **EP16,** 12/19/2023, **EP17** 5/5/2022

Process Description:
CNC routers are used to machine parts for truck bodies.

Applicable Regulation:
401 KAR 59:010, *New process operations* is applicable to operations commenced after July 2, 1975, that may emit particulate matter (PM) and whose PM emissions are not otherwise subject to any other provisions of 401 KAR 59.

Comments:
This equipment qualifies as insignificant activity. The unit is controlled by dust collector with 95% control efficiency. Controlled PM, PM10, and PM2.5 PTE is 0.488 tpy. Controlled emission factor = 0.002 (gr/acf) × 6500 (acfm) × 60 (min/hr) / 7000 (gr/lb)

Emission Unit 18: Gelcoat Spray Booth (GC-1)				
Pollutant	**Emission Limit or Standard**	**Regulatory Basis for Emission Limit or Standard**	**Emission Factor Used and Basis**	**Compliance Method**
PM	2.34 lbs/hr	401 KAR 59:010, Section 3(2)	Material Balance & MSDS with 90% Transfer Efficiency	Dry Filters, 99.99% C.E.
	20% Opacity	401 KAR 59:010, Section 3(1)a	N/A	Recordkeeping of weekly visual observations
Single HAP	9.5 tpy of individual HAP emissions source-wide	To Preclude 401 KAR 52:020	Coating and Catalyst Safety Data Sheets, Environmental Data Sheets, Technical Data Sheets, and Other Manufacturer Information. American Composites Manufacturers Association (ACMA) - document ANSI/ACMA/ICPA UEF-1-2011a.	Recordkeeping Requirements
Combined HAP	22.5 tpy of combined HAP emissions source-wide	To Preclude 401 KAR 52:020		Recordkeeping Requirements

Initial Construction Date: Proposed 2/2026

Process Description:
The gelcoat operation is an open molding process where the surface of a mold is manually coated with a release agent (outside of the booth, see Emission Unit IM-1) that allows for easy removal of the finished project from the mold after curing. Gelcoat, consisting of a styrene-based resin and catalyst, is then sprayed using a spray gun. Parts to be sprayed include platforms and platform brackets. Tooling gelcoat may also be sprayed in GC-1 as part of manufacturing molds. After application, spray guns are cleaned using acetone.

Gelcoat will be sprayed on top of a FRP mold using an airless HVLP gun. Gelcoat used for mold production will either be sprayed on top of a foam plug or FRP plug using an airless HVLP gun. The mold will be cleaned, sealed, and then a release agent applied in IM-1 prior to application of gelcoat in GC-1. The gelcoat is the outer layer of the platforms and brackets. It is also the outer layer for the molds.

One 1.425 MMBtu/hr natural gas-fired make-up air unit.

Applicable Regulation:
401 KAR 59:010, *New process operations* is applicable to operations commenced after July 2, 1975, that may emit particulate matter (PM) and whose PM emissions are not otherwise subject to any other provisions of 401 KAR 59.

401 KAR 63:020, *Potentially hazardous matter or toxic substances* is applicable to any activity which emits or may emit matter that may be harmful to the health and welfare of humans, animals, and plants. The spray coatings used in each paint booth and the natural gas combustion by each oven have the potential to emit such matter.

Emission Unit 18: Gelcoat Spray Booth (GC-1)

Comments:

The particulate matter emissions are controlled by a panel filter and a pocket filter placed in series, each with 99.8 % control effectiveness for PM. This gives total control effectiveness of 99.9996%, but calculations are based on 99.99% control efficiency to be conservative.

Annual emissions are based on a batch process of 1.2 hours per batch times 4.5 batches per day times 365 days per year. Batches are limited by the slower machining process required to finish the platforms. In the future, if any new machining equipment is added, this bottleneck will need to be revisited. Much of the 1.2-hour batch time does not involve spraying and instead involves parts drying, but this has been ignored to be conservative and the math assumes 1.2 hours per batch is spent spraying.

VOC content for LHA-2900 is 32.5% prior to any reaction. It is 13.15% as-applied.

VOC content for G262AA30209 is 47.1% prior to any reaction. It is 21.47% as-applied.

VOC content for MEKP-9H is 3.7% "as-applied" per manufacturer.

VOC content for RTM & Cold Molding Resin is 47.9% prior to any reaction. It is 0.95% as-applied.

VOC content for AME 6441 T-40 is 35.72% prior to any reaction. It is 8.18% as-applied.

The VOC contents listed above take into account the reaction factors of polymerized or consumed constituent VOCs (e.g. styrene, methyl methacrylate (MMA), and dimethyl phthalate (DMP) which are described below.

For gelcoat applications where the styrene concentration is less than 33 percent, use the following formula: EF (lb styrene/ton gelcoat) = 0.325 × styrene% × 2000

For gelcoat applications where the styrene concentration is greater than or equal to 33 percent, use the following formula: EF (lb styrene/ton gelcoat) = 0.73 × (1.03646 × styrene%) - 0.195) × 2000

For gelcoat applications that contain methyl methacrylate (MMA), use the following formula: EF (lb MMA/ton gelcoat) = 0.75 × MMA% × 2000

Dimethyl phthalate (DMP) is used as a stabilizing agent in the catalyst. It has an extremely low vapor pressure and its emissions are expected to follow the same evaporation mechanisms as for the styrene monomer. DMP emissions are assumed as a fraction of styrene emissions based on the ratio of vapor pressures for DMP to styrene (0.01 mmHg / 4.5 mmHg = 0.0022). EF (lb DMP/ton catalyst) = styrene EF% × DMP% × 2000 × 0.0022

The emission factor for styrene from the LHA-2900 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.325 (lb styrene emitted/lb styrene) × styrene% (lb styrene/lb gelcoat) × 2000 (lb gelcoat/ton gelcoat). This was based on information from the publication the American Composites Manufacturers Association (ACMA) - document ANSI/ACMA/ICPA UEF-1-2011a.

The emission factor for MMA from the LHA-2900 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.75 (lb MMA emitted/lb MMA) × MMA% (lb MMA/lb gelcoat) × 2000 (lb gelcoat/ton gelcoat).

The emission factor for DMP from the MEKP-9H for use with LHA-2900 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.325 (lb DMP emitted/lb DMP) × DMP% (lb DMP/lb catalyst) ×

Emission Unit 18: Gelcoat Spray Booth (GC-1)
2000 (lb catalyst/ton catalyst) × 0.0022. The emission factor for styrene from the G262AA30209 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.73 (lb styrene emitted/lb styrene) × ((1.03646 × styrene%) – (0.195) (lb styrene/lb gelcoat) × 2000 (lb gelcoat/ton gelcoat). The emission factor for DMP from the MEKP-9H for use with G262AA30209 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.73 (lb DMP emitted/lb DMP) × ((1.03646 × DMP%) - 0.195)(lb DMP/lb catalyst) × 2000 (lb resin/ton catalyst).

Emission Unit 19: Infusion Molding, Tooling, and Mold Prep Areas (IM-1)				
Pollutant	**Emission Limit or Standard**	**Regulatory Basis for Emission Limit or Standard**	**Emission Factor Used and Basis**	**Compliance Method**
Single HAP	9.5 tpy of individual HAP emissions source-wide	To Preclude 401 KAR 52:020	Coating and Catalyst Safety Data Sheets, Environmental Data Sheets, Technical Data Sheets, Other Manufacturer Information, and American Composites Manufacturers Association (ACMA) - document ANSI/ACMA/ICPA UEF-1-2011a.	Recordkeeping Requirements
Combined HAP	22.5 tpy of combined HAP emissions source-wide	To Preclude 401 KAR 52:020		Recordkeeping Requirements

Initial Construction Date: Proposed 2/2026

Process Description:
Resin will be vacuum infused using a closed molding process for platforms, brackets, and tips. Resin will be hand-applied for platform molds. Gelcoat will be hand-applied or sprayed using small cup guns for touchup or mold repair. The mold will be cleaned, sealed, and then a release agent applied in IM-1 prior to application of gelcoat in GC-1.

Source ID IM-1 will consist of multiple activities related to the production of fiberglass reinforced plastic (FRP) platforms, brackets, and molds. These activities include closed molding, tooling, mold repair, spray touch-up, and mold/platform preparation and will occur within the building but not in a spray booth. Emissions from IM-1 will be fugitive. Below is a brief description of each activity.

- Closed Molding: During closed molding, a fiberglass reinforcement will be laid over a cured gelcoat and mold layer (produced in GC-1) and an outer mold will be placed over the material and sealed against the gelcoat mold. High vacuum will be used to evacuate the air from the part, and a mixture of resin and catalyst will be pulled into the part by the vacuum. The resin will be allowed to cure and then released from the molds.
- Tooling (Mold Preparation): Tooling in IM-1 will be an open molding process where resin is manually applied onto a fiberglass reinforcement that is laid over the mold gelcoat shell that is produced in GC-1.
- Mold Repair and Touch-up: These two activities will involve manual or spray application of gelcoats. Since the quantities used will be small, they do not need to be conducted in the booth. No PM will be emitted to ambient air, since the transfer efficiency is high and the building will provide capture.
- Mold and Platform Preparation: Prior to gelcoat application in GC-1, molds will occasionally be cleaned and treated with a mold sealant or release agent. These materials will be hand-applied.

Applicable Regulation:
401 KAR 63:020, *Potentially hazardous matter or toxic substances* is applicable to any activity which emits or may emit matter that may be harmful to the health and welfare of humans, animals, and plants. The spray coatings used in each paint booth and the natural gas combustion by each oven have the potential to emit such matter.

Emission Unit 19: Infusion Molding, Tooling, and Mold Prep Areas (IM-1)

Comments:
VOC content for LHA-2900 is 32.5% prior to any reaction. It is 13.15% as-applied.

VOC content for G262AA30209 is 47.1% prior to any reaction. It is 21.47% as-applied.

VOC content for MEKP-9H is 3.7% "as-applied" per manufacturer.

VOC content for RTM & Cold Molding Resin is 47.9% prior to any reaction. It is 0.95% as-applied.

VOC content for AME 6441 T-40 is 35.72% prior to any reaction. It is 8.18% as-applied.

The VOC contents listed above take into account the reaction factors of polymerized or consumed constituent VOCs (e.g. styrene, methyl methacrylate (MMA), and dimethyl phthalate (DMP) which are described below.

The emission factor for styrene from the LHA-2900 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.325 (lb styrene emitted/lb styrene) × styrene% (lb styrene/lb gelcoat) × 2000 (lb gelcoat/ton gelcoat). This was based on information from the publication the American Composites Manufacturers Association (ACMA) - document ANSI/ACMA/ICPA UEF-1-2011a.

The emission factor for MMA from the LHA-2900 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.75 (lb MMA emitted/lb MMA) × MMA% (lb MMA/lb gelcoat) × 2000 (lb gelcoat/ton gelcoat).

The emission factor for DMP from the MEKP-9H for use with LHA-2900 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.325 (lb DMP emitted/lb DMP) × DMP% (lb DMP/lb catalyst) × 2000 (lb catalyst/ton catalyst) × 0.0022.

The emission factor for styrene from the G262AA30209 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.73 (lb styrene emitted/lb styrene) × ((1.03646 × DMP%) – (0.195)(lb styrene/lb gelcoat) × 2000 (lb gelcoat/ton gelcoat).

The emission factor for DMP from the MEKP-9H for use with G262AA30209 used in the gelcoat spraying operation was calculated as (lb/ton) = 0.73 (lb DMP emitted/lb DMP) × ((1.03646 × DMP%) - 0.195) (lb DMP/lb catalyst) × 2000 (lb resin/ton catalyst).

Annual emissions calculated as 1 hours per batch at a rate of 3 batches per day for 365 days per year, except for Platform Mold Preparation which uses rates of 8 hours per batch at a rate of 1/3 batches per day.

HAP emissions from Mold Preparation are assumed to be 100 percent of the HAP present in the material used since none of the HAP used in the activity tend to polymerize, react, or be consumed.

SECTION 3 – EMISSIONS, LIMITATIONS AND BASIS (CONTINUED)

Testing Requirements\Results

N/A

SECTION 4 – SOURCE INFORMATION AND REQUIREMENTS

Table A - Group Requirements:

Emission and Operating Limit	Regulation	Emission Unit
9.5 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.*	EU 03, EU 04, EU 05, EU 06, EU 13, EU 18, EU 19
401 KAR 63:020, *Potentially hazardous matter or toxic substances.*	EU 03, EU 04, EU 05, EU 06, EU 13, EU 18, EU 19
401 KAR 60:005, Section 2(2)(ppp), *40 C.F.R. 60.4230 through 60.4248, Tables 1 through 4 (Subpart JJJJ), Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.*	EU 14
401 KAR 63:002 Section 2(4)(eeee), *40 C.F.R. 63.6580 through 63.6675, Tables 1a through 8, and Appendix A (Subpart ZZZZ), National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*	EU 14

Table C - Summary of Precluded Regulations:

Applicable Regulations	Emission Unit
401 KAR 52:020, *Title V Permits.*	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 SCREEN View on December 4, 2025, of potentially hazardous matter or toxic substances (1,6-Hexamethylene Diisocyanate, 1-Methoxy-2-Propanol, 2,2,4-Trimethylpentane, Acetaldehyde, Benzene, Cobalt, Copper, Cumene, Diethanolamine, Dimethyl Phthalate, Ethyl Benzene, Formaldehyde, Hexane; N-Hexane, Methanol, Methyl Isobutyl Ketone, Methyl Methacrylate, Naphthalene, Styrene, Toluene, Xylenes.) 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.

Single Source Determination

N/A

SECTION 5 - PERMITTING HISTORY

Permit	Permit Type	Activity #	Complete Date	Issuance Date	Summary of Action
S-12-037	Initial	APE20120002	4/12/2012	5/29/2012	Initial State Origin Permit
S-12-037 R1	Revision	APE20140001	9/17/2014	10/13/2014	Addition of Fiberglass Sanding
S-12-037 R2	Revision	APE20150001	8/18/2015	9/15/2015	Relocation of Paint Spray Booths
S-12-037 R3	Revision	APE20160001	10/19/2016	11/11/2016	Adding/modifying insignificant activities
S-12-037 R4	Revision	APE20170001	12/18/2017	12/28/2017	Adding insignificant activities
S-12-037 R5	Revision	APE20180001	3/22/2018	5/10/2018	Removal of Spray Paint Booth (EP 01), Drying Oven (EP 07), Shot Blasting (SB2) and addition of Plasma Cutter as insignificant activity
S-22-006	Renewal	APE20210001 & APE20210003	1/7/2022	3/13/2022	Renewal Operation Permit and addition of insignificant activities
S-22-006 R1	Revision	APE20250002	6/10/2025	8/29/2025	Updates to insignificant activities

SECTION 6 – PERMIT APPLICATION HISTORY

N/A

APPENDIX A – ABBREVIATIONS AND ACRONYMS

Btu – British thermal unit
CO – Carbon Monoxide
Division – Kentucky Division for Air Quality
DMP – Dimethyl Phthalate
GHG – Greenhouse Gas
HAP – Hazardous Air Pollutant
HF – Hydrogen Fluoride (Gaseous)
MMA – Methyl Methacrylate
MSDS – Material Safety Data Sheets
mmHg – Millimeter of mercury column height
NO_x – Nitrogen Oxides
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
PTE – Potential to Emit
SO_2 – Sulfur Dioxide
TF – Total Fluoride (Particulate & Gaseous)
VOC – Volatile Organic Compounds