

# TOYOTA

TOYOTA MOTOR MANUFACTURING, North America.

151 Engineering Way  
Georgetown, KY 40324-5700

May 23<sup>rd</sup>, 2025

Director Michael Kennedy  
Permits Review Branch  
Division of Air Quality  
300 Sower Boulevard, 2<sup>nd</sup> Floor  
Frankfort, Kentucky 40601

RE: PEMC TV Renewal  
Source ID: 21-209-00072; Permit No.: V-20-012 R1

Director Kennedy,

Pursuant to 401 KAR 52:020 Section 14, Toyota Motor Manufacturing North America (TMNA) submits the attached Title V Renewal for activities at Toyota's Production Engineering & Manufacturing Center (PEMC). Likewise, TMNA proposes the following administrative changes to the Major Operating Permit.

TMNA requests the removal of all control devices for Sources #1-4 and 10-13 in the permit.

- This involves removing the federally enforceable operating limits associated with the PM/PM10 filters: daily filter checks, logs, calibrations, specifications.
- TMNA instead proposes a synthetic limit on paint usage to limit hourly PM emissions below 2.34 lbs/hr (Process Weight Rule) and 10 Tons/Year (PSD significant emission rate for PM2.5).
- TMNA will continue opacity monitoring to not equal or exceed 20%.
- TMNA will calculate and report PM/PM10/PM2.5 emissions from the painting processes.

TMNA requests the removal of Paint Booth #5 from the permit. Paint Booth #5 was never constructed.

TMNA requests an update to the insignificant activities list to reflect the revisions provided in Attachment A. This includes the consolidation of various sources and removal of sources never installed.

Attached are:

- Required KYDEP Forms
- Potential To Emit Document, Stack Map, and Stack Parameters
- Attachment A (Insignificant Activity List)

If you have any questions, please contact Will Richardson at (502) 642-1696 [will.richardson@toyota.com](mailto:will.richardson@toyota.com) or Sarah Mihaljevic at 502-642-1643 [sarah.mihaljevic@toyota.com](mailto:sarah.mihaljevic@toyota.com).

Sincerely,



Becky Bright  
Manager, Environmental Planning  
Toyota Motor Manufacturing North America

11/2018

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

DEP7007AI

Administrative Information

- Section AI.1: Source Information
- Section AI.2: Applicant Information
- Section AI.3: Owner Information
- Section AI.4: Type of Application
- Section AI.5: Other Required Information
- Section AI.6: Signature Block
- Section AI.7: Notes, Comments, and Explanations

Additional Documentation

Additional Documentation attached

Source Name: Toyota Motor Engineering & Manufacturing North America, Inc. (TEMA)

KY EIS (AFS) #: 21- 209-00072

Permit #: V-20-012 R1

Agency Interest (AI) ID: 126184

Date: 4/16/2026

Section AI.1: Source Information

Physical Location	Street:	<u>151 Engineering Way Georgetown, KY</u>			
Address:	City:	<u>GEORGETOWN</u>	County:	<u>SCOTT</u>	Zip Code: <u>40324</u>
Mailing Address:	Street or P.O. Box:	<u>1001 Cherry Blossom Way</u>			
	City:	<u>Georgetown</u>	State:	<u>KY</u>	Zip Code: <u>40324</u>

Standard Coordinates for Source Physical Location

Longitude: 84.23.30 (decimal degrees)      Latitude: 38.16.05 (decimal degrees)

Primary (NAICS) Category: \_\_\_\_\_      Primary NAICS #: \_\_\_\_\_

<b>Classification (SIC) Category:</b>	<u>Automobile Assembly</u>	<b>Primary SIC #:</b>	<u>3711</u>
<b>Briefly discuss the type of business conducted at this site:</b>			
<b>Description of Area Surrounding Source:</b>	<input checked="" type="checkbox"/> Rural Area	<input type="checkbox"/> Industrial Park	<input type="checkbox"/> Residential Area
	<input type="checkbox"/> Urban Area	<input type="checkbox"/> Industrial Area	<input type="checkbox"/> Commercial Area
		<b>Is any part of the source located on federal land?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<b>Number of Employees:</b>	500
<b>Approximate distance to nearest residence or commercial property:</b>		<b>Property Area:</b>	<u>1300 acres</u>
		<b>Is this source portable?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>What other environmental permits or registrations does this source currently hold or need to obtain in Kentucky?</b>			
<b>NPDES/KPDES:</b>	<input checked="" type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input type="checkbox"/> N/A
<b>Solid Waste:</b>	<input type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input type="checkbox"/> N/A
<b>RCRA:</b>	<input type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input type="checkbox"/> N/A
<b>UST:</b>	<input type="checkbox"/> Currently Hold	<input type="checkbox"/> Need	<input type="checkbox"/> N/A
<b>Type of Regulated Waste Activity:</b>	<input type="checkbox"/> Mixed Waste Generator	<input type="checkbox"/> Generator	<input type="checkbox"/> Recycler
	<input type="checkbox"/> U.S. Importer of Hazardous Waste	<input type="checkbox"/> Transporter	<input type="checkbox"/> Treatment/Storage/Disposal Facility
			<input type="checkbox"/> Other: _____ <input type="checkbox"/> N/A

11/2018

**Section AI.2: Applicant Information**

**Applicant Name:** TOYOTA MOTOR MANUFACTURING NORTH AMERICA

**Title:** (if individual) \_\_\_\_\_

**Mailing Address:** **Street or P.O. Box:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Email:** (if individual) \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Technical Contact**

**Name:** Will Richardson

**Title:** Environmental Engineer

**Mailing Address:** **Street or P.O. Box:** 101 Engineering Way

**City:** Georgetown **State:** KY **Zip Code:** 40324

**Email:** will.richardson@toyota.com

**Phone:** 502 642-1696

**Air Permit Contact for Source**

**Name:** Sarah Mihaljevic

**Title:** Sr. Environmental Engineer

**Mailing Address:** **Street or P.O. Box:** 101 Engineering Way

**City:** Georgetown **State:** KY **Zip Code:** 40324

**Email:** sarah.mihaljevic@toyota.com

**Phone:** 502 642 1643

<b>Section AI.3: Owner Information</b>	
<input checked="" type="checkbox"/> <b>Owner same as applicant</b>	
<b>Name:</b>	_____
<b>Title:</b>	_____
<b>Mailing Address:</b>	<b>Street or P.O. Box:</b> _____
	<b>City:</b> _____ <b>State:</b> _____ <b>Zip Code:</b> _____
<b>Email:</b>	_____
<b>Phone:</b>	_____
<b>List names of owners and officers of the company who have an interest in the company of 5% or more.</b>	
<b>Name</b>	<b>Position</b>
_____	_____
_____	_____
_____	_____

11/2018

**Section AI.4: Type of Application**

**Current Status:**  Title  Conditional Major  State-Origin  General Permit  Registration  None

**Requested Action:**  Name Change  Initial Registration  Significant Revision  Administrative Permit Amendment  
*(check all that apply)*  Renewal Permit  Revised Registration  Minor Revision  Initial Source-wide Operating Permit  
 502(b)(10)Change  Extension Request  Addition of New Facility  Portable Plant Relocation Notice  
 Revision  Off Permit Change  Landfill Alternate Compliance Submittal  Modification of Existing Facilities  
 Ownership Change  Closure

**Requested Status:**  Title  Conditional Major  State-Origin  PSD  NSR  Other: \_\_\_\_\_

**Is the source requesting a limitation of potential emissions?**  Yes  No

<b>Pollutant:</b>	<b>Requested Limit:</b>	<b>Pollutant:</b>	<b>Requested Limit:</b>
<input checked="" type="checkbox"/> Particulate Matter	<u>10 TPY</u>	<input type="checkbox"/> Single HAP	_____
<input checked="" type="checkbox"/> Volatile Organic Compounds (VOC)	<u>35 TPY</u>	<input type="checkbox"/> Combined HAPs	_____
<input type="checkbox"/> Carbon Monoxide	_____	<input type="checkbox"/> Air Toxics (40 CFR 68, Subpart F)	_____
<input type="checkbox"/> Nitrogen Oxides	_____	<input type="checkbox"/> Carbon Dioxide	_____
<input type="checkbox"/> Sulfur Dioxide	_____	<input type="checkbox"/> Greenhouse Gases (GHG)	_____
<input type="checkbox"/> Lead	_____	<input type="checkbox"/> Other	_____

**For New Construction:**

**Proposed Start Date of Construction:** \_\_\_\_\_ **Proposed Operation Start-Up Date:** (MM/YYYY) \_\_\_\_\_  
 (MM/YYYY)

**For Modifications:**

**Proposed Start Date of Modification:** \_\_\_\_\_ **Proposed Operation Start-Up Date:** (MM/YYYY) \_\_\_\_\_  
 (MM/YYYY)

**Applicant is seeking coverage under a permit shield.**  Yes  No **Identify any non-applicable requirements for which permit shield is sought on a separate attachment to the application.**

**Section AI.5 Other Required Information**

**Indicate the documents attached as part of this application:**

- |  |  |
|--|--|
| <input type="checkbox"/> DEP7007A Indirect Heat Exchangers and Turbines                    | <input type="checkbox"/> DEP7007CC Compliance Certification                        |
| <input type="checkbox"/> DEP7007B Manufacturing or Processing Operations                   | <input checked="" type="checkbox"/> DEP7007DD Insignificant Activities             |
| <input type="checkbox"/> DEP7007C Incinerators and Waste Burners                           | <input type="checkbox"/> DEP7007EE Internal Combustion Engines                     |
| <input type="checkbox"/> DEP7007F Episode Standby Plan                                     | <input type="checkbox"/> DEP7007FF Secondary Aluminum Processing                   |
| <input type="checkbox"/> DEP7007J Volatile Liquid Storage                                  | <input type="checkbox"/> DEP7007GG Control Equipment                               |
| <input type="checkbox"/> DEP7007K Surface Coating or Printing Operations                   | <input type="checkbox"/> DEP7007HH Haul Roads                                      |
| <input type="checkbox"/> DEP7007L Mineral Processes  | <input type="checkbox"/> Confidentiality Claim                                     |
| <input type="checkbox"/> DEP7007M Metal Cleaning Degreasers                                | <input type="checkbox"/> Ownership Change Form                                     |
| <input type="checkbox"/> DEP7007N Source Emissions Profile                                 | <input type="checkbox"/> Secretary of State Certificate                            |
| <input type="checkbox"/> DEP7007P Perchloroethylene Dry Cleaning Systems                   | <input type="checkbox"/> Flowcharts or diagrams depicting process                  |
| <input type="checkbox"/> DEP7007R Emission Offset Credit                                   | <input type="checkbox"/> Digital Line Graphs (DLG) files of buildings, roads, etc. |
| <input type="checkbox"/> DEP7007S Service Stations   | <input type="checkbox"/> Site Map  |
| <input type="checkbox"/> DEP7007T Metal Plating and Surface Treatment Operations           | <input type="checkbox"/> Map or drawing depicting location of facility             |
| <input type="checkbox"/> DEP7007V Applicable Requirements and Compliance Activities        | <input type="checkbox"/> Safety Data Sheet (SDS)                                   |
| <input type="checkbox"/> DEP7007Y Good Engineering Practice and Stack Height Determination | <input type="checkbox"/> Emergency Response Plan                                   |
| <input type="checkbox"/> DEP7007AA Compliance Schedule for Non-complying Emission Units    | <input type="checkbox"/> Other: _____  |
| <input type="checkbox"/> DEP7007BB Certified Progress Report                               |  |

**Section AI.6: Signature Block**

**I, the undersigned, hereby certify under penalty of law, that I am a responsible official\*, and that I have personally examined, and am familiar with, the information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the information is on knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment.**

\_\_\_\_\_  
**Authorized Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
Eric Thomas

\_\_\_\_\_  
General Manager, ENV

**Type or Printed Name of Signatory**

**Title of Signatory**

\*Responsible official as defined by 401 KAR 52:001.



Division for Air Quality  
 300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007DD**

**Insignificant Activities**

- Section DD.1: Table of Insignificant Activities
- Section DD.2: Signature Block
- Section DD.3: Notes, Comments, and Explanations

**Source Name:** Toyota Motor Engineering & Manufacturing North America, Inc. (TEMA)

**KY EIS (AFS) #:** 21- 209-00072

**Permit #:** V-20-012 R1

**Agency Interest (AI) ID:** 126184

**Date:** 4/16/2026

**Section DD.1: Table of Insignificant Activities**

\*Identify each activity with a unique Insignificant Activity number (IA #); for example: 1, 2, 3... etc.

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
17	R&D Spot Welder	#3	401 KAR 59:010 401 KAR 63:020	< 5TPY PM <0.5 TPY HAP

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions

**Section DD.2: Signature Block**

I, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW, THAT I AM A RESPONSIBLE OFFICIAL, AND THAT I HAVE PERSONALLY EXAMINED, AND AM FAMILIAR WITH, THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ITS ATTACHMENTS. BASED ON MY INQUIRY OF THOSE INDIVIDUALS WITH PRIMARY RESPONSIBILITY FOR OBTAINING THE INFORMATION, I CERTIFY THAT THE INFORMATION IS ON KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE OR INCOMPLETE INFORMATION, INCLUDING THE POSSIBILITY OF FINE OR IMPRISONMENT.

	_____ <b>Authorized Signature</b>	_____ <b>Date</b>
<b>By:</b>	Eric Thomas _____ <b>Type/Print Name of Signatory</b>	General Manager, ENV _____ <b>Title of Signatory</b>

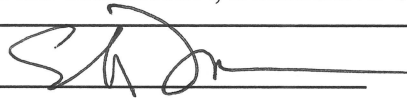


Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions

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By:



Authorized Signature

22 May 2025

Date

Eric Thomas

Type/Print Name of Signatory

General Manager, ENV

Title of Signatory


## Section AI.5 Other Required Information

Indicate the documents attached as part of this application:

- |  |   |
|--|---|
| <input type="checkbox"/> DEP7007A Indirect Heat Exchangers and Turbines                    | <input type="checkbox"/> DEP7007CC Compliance Certification                       |
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| <input type="checkbox"/> DEP7007L Mineral Processes  | <input type="checkbox"/> Confidentiality Claim                                    |
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| <input type="checkbox"/> DEP7007R Emission Offset Credit                                   | <input type="checkbox"/> Digital Line Graphs (DLG) files of buldings, roads, etc. |
| <input type="checkbox"/> DEP7007S Service Stations   | <input type="checkbox"/> Site Map   |
| <input type="checkbox"/> DEP7007T Metal Plating and Surface Treatment Operations           | <input type="checkbox"/> Map or drawing depicting location of facility            |
| <input type="checkbox"/> DEP7007V Applicable Requirements and Compliance Activities        | <input type="checkbox"/> Safety Data Sheet (SDS)                                  |
| <input type="checkbox"/> DEP7007Y Good Engineering Practice and Stack Height Determination | <input type="checkbox"/> Emergency Response Plan                                  |
| <input type="checkbox"/> DEP7007AA Compliance Schedule for Non-complying Emission Units    | <input type="checkbox"/> Other: _____   |
| <input type="checkbox"/> DEP7007BB Certified Progress Report                               |   |

## Section AI.6: Signature Block

I, the undersigned, hereby certify under penalty of law, that I am a responsible official\*, and that I have personally examined, and am familiar with, the information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the information is on knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment.



\_\_\_\_\_  
Authorized Signature

Eric Thomas

\_\_\_\_\_  
Type or Printed Name of Signatory

22 May 2025

\_\_\_\_\_  
Date

General Manager, ENV

\_\_\_\_\_  
Title of Signatory

\*Responsible official as defined by 401 KAR 52:001.

Process ID	Description	Control Device	% Capture	% Control	Emission Factor lb/SCC Unit

Applicable Reg

SCC Code: 4-02-999-98  
 SCC Unit: Gallons  
 1 Paint Usage

Hourly Design Rate:	15	Gallons/hr	
Max. Yearly Capacity:	6000	Gallons/yr	
		7.75	
Spray booth and Filter	100.00%	0.00%	1.80
Spray booth and Filter	100.00%	0.00%	1.80
Spray booth and Filter	100.00%	0.00%	1.80
			0.010
			0.720
			0.126
			0.080
			0.080
			0.090
			0.532

SCC Code: 4-02-009-98  
 SCC Unit: Gallons  
 2 Cleaner

Hourly Design Rate:	15	Gallons/hr
Max. Yearly Capacity:	3000	Gallons/yr
		7.13

SCC Code: 4-02-009-98  
 SCC Unit: Gallons  
 3 2-tone trial robot

Hourly Design Rate:	0.005479452	Gallons/hr
Max. Yearly Capacity:	48	Gallons/yr
		7.75
		1.80
		1.80
		1.80
		0.17

			0.35
			0.78
			0.07

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Applic

**SCC Code:** 3-09-005-01  
**SCC Unit:** Pounds  
 1 Welding

**Hourly Design Rate:** 10.76 Pounds/hr  
**Max. Yearly Capacity:** 94257.6 Pounds/yr

			0.025
			0.025
			0.025

**SCC Code:** 3-09-043-00  
**SCC Unit:** 1000 Pounds  
 2 Soldering

**Hourly Design Rate:** 9.13242E-07 1000 Pounds/hr  
**Max. Yearly Capacity:** 0.008 1000 Pounds/yr

			25
			25
			25
			17.5

---

PO

**SCC Code:** 1-05-001-06  
**SCC Unit:** MMscf  
 1 Sourcewide Natural Gas Usage

**Hourly Design Rate:** 0.004735294 MMscf/hr  
**Max. Yearly Capacity:** 41.48117647 MMscf/yr

			7.6
			7.6
			1.9
			5.5
			100
			84
			0.6

			120000
			2.2
			2.3
			0.0005



**SCC Code:** 4-02-007-01  
**SCC Unit:** Tons  
 1 Material Use

**Hourly Design Rate:** 2.22603E-05 Tons/hr  
**Max. Yearly Capacity:** 0.195 Tons/yr

			2000



**SCC Code:** 3-09-001-99  
**SCC Unit:** Tons  
 1 Weld Check Solution

**Hourly Design Rate:** 1.48402E-06 Tons/hr  
**Max. Yearly Capacity:** 0.013 Tons/yr

			200



**SCC Code:** 3-09-001-99  
**SCC Unit:** Tons  
 1 Battery Assembly

**Hourly Design Rate:** 10 Cells/Hr  
**Max. Yearly Capacity:** 1000 Cells/Year

			0.428
			0.01
			0.01
			0.01

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Pollutant (CAS #)	EF Source	Pollutant Specific Applicable Regulations	Allowable (lb/hr)	Allowable (TPY)	Controlled lb/hr Maximum	Maximum Uncontrolled Emissions (TPY)
<b>POC: 01-08 - Eight Paint Booths</b>						

Regulations: 401 KAR 59:010, 401 KAR 63:020, 401 KAR 50:012

Hours per Year: 3000

Fugitive?: No

VOC	MSDS	401 KAR 50:012			116.25	23.25
PT	MSDS	401 KAR 59:010			27.02	5.40
PM10	MSDS	401 KAR 59:010			27.02	5.40
PM2.5	MSDS	401 KAR 59:010			27.02	5.40
Formaldehyde	MSDS	401 KAR 63:020			0.15	0.03
Xylenes (Total)	MSDS	401 KAR 63:020			10.80	2.16
Methanol	MSDS	401 KAR 63:020			1.90	0.38
Toluene	MSDS	401 KAR 63:020			1.20	0.24
Ethyl Benzene	MSDS	401 KAR 63:020			1.20	0.24
Ethylene Glycol	MSDS	401 KAR 63:020			1.35	0.27
Trimethyl Benzene	MSDS	401 KAR 63:020			7.98	1.60

Hours per Year: 3000

Fugitive?: No

VOC	MSDS				106.95	10.70

Hours per Year: 8760

Fugitive?: No

VOC	MSDS				0.04	0.19
PT					0.01	0.04
PM10					0.01	0.04
PM2.5					0.01	0.04
Ethyl Benzene					0.001	0.004

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Toluene					0.002	0.008
Xylenes (Total)					0.004	0.019
Cumene					0.000	0.002

**POC: 07 - MIG Welding**

Applicable Regulations: 401 KAR 59:010, 401 KAR 63:020

Hours per Year: 8760

Fugitive?: No

PT		401 KAR 59:010			0.269	1.17822
PM10		401 KAR 59:010			0.269	1.17822
PM2.5		401 KAR 59:010			0.269	1.17822

Hours per Year: 8760

Fugitive?: No

PT		401 KAR 59:010			2.28311E-05	0.0001
PM10		401 KAR 59:010			2.28311E-05	0.0001
PM2.5		401 KAR 59:010			2.28311E-05	0.0001
Lead		401 KAR 63:020			1.59817E-05	0.00007

**C: 06 - Sourcewide Natural Gas Combustion Units**

Applicable Regulations: None

Hours per Year: 8760

Fugitive?: No

PT	AP-42				0.04	0.16
PM10	AP-42				0.04	0.16
PM2.5	AP-42				0.01	0.04
VOC	AP-42				0.03	0.11
NOx	AP-42				0.47	2.07
CO	AP-42				0.40	1.74
SO2	AP-42				0.00	0.01

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Carbon Dioxide	AP-42				568.24	2488.87
Nitrous Oxide	AP-42				0.01	0.05
Methane	AP-42				0.01	0.05
Lead					0.00	0.00

**POC: 08 - High Viscosity Materials Testing**

Applicable Regulations: None

Hours per Year: 8760

Fugitive?: No

VOC					0.044520548	0.195

**POC: 09 - Press Area Grinding Machine**

Applicable Regulations: 401 KAR 59:010, 401 KAR 63:020

Hours per Year: 8760

Fugitive?: No

VOC					0.000296804	0.0013

**POC: 14 - Battery Lab**

Applicable Regulations: 401 KAR 59:010, 401 KAR 63:020

Hours per Year: 8760

Fugitive?: No

VOC					4.28	0.214
PM					0.10	0.01
PM10					0.10	0.01
PM2.5					0.10	0.01

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FACILITY TOTALS Pollutant	Maximum Controlled Pounds/Hour	Maximum Uncontrolled Emissions
	CO	0.40
NOx	0.47	2.07
PT	27.43	6.75
PM10	27.43	6.75
PM2.5	27.40	6.63
SO2	0.00	0.01
VOC	227.59	34.66
Lead	0.00	0.00
Greenhouse Gase		
Carbon Dioxide	GWP:	2488.87
Methane	25	0.05
Nitrous Oxide	298	0.05
CO2e:		2503.66
HAPs/Toxics		
Total HAPs:	24.58	4.95
Cumene	0.00	0.00
Ethyl Benzene	1.20	0.24
Ethylene Glycol	1.35	0.27
Formaldehyde	0.15	0.03
Methanol	1.90	0.38
Toluene	1.20	0.25
Trimethyl Benzene	7.98	1.60
Xylenes (Total)	10.80	2.18

•• PROTECTED 関係者外秘

Maximum Controlled Emissions (TPY)	Emission Potential (TPY)

--	--

23.25	23.25
5.40	9.90
5.40	9.90
5.40	9.90
0.03	0.03
2.16	2.16
0.38	0.38
0.24	0.24
0.24	0.24
0.27	0.27
1.60	1.60

--	--

10.70	10.70

--	--

0.19	0.19
0.04	0.04
0.04	0.04
0.04	0.04
0.004	0.004

•• PROTECTED 関係者外秘

0.008	0.008
0.019	0.019
0.002	0.002

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1.17822	1.17822
1.17822	1.17822
1.17822	1.17822

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0.0001	0.0001
0.0001	0.0001
0.0001	0.0001
0.00007	0.00007

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0.16	0.16
0.16	0.16
0.04	0.04
0.11	0.11
2.07	2.07
1.74	1.74
0.01	0.01

•• PROTECTED 関係者外秘

2488.87	2488.87
0.05	0.05
0.05	0.05
0.00	0.00

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0.195	0.195

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0.0013	0.0013

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0.214	0.214
0.01	0.01
0.01	0.01
0.01	0.01

•• PROTECTED 関係者外秘

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Tons per Year	
Maximum Controlled Emissions	Emission Potential
1.74	1.74
2.07	2.07
6.75	11.24
6.75	11.24
6.63	11.12
0.01	0.01
34.66	34.66
0.00	0.00

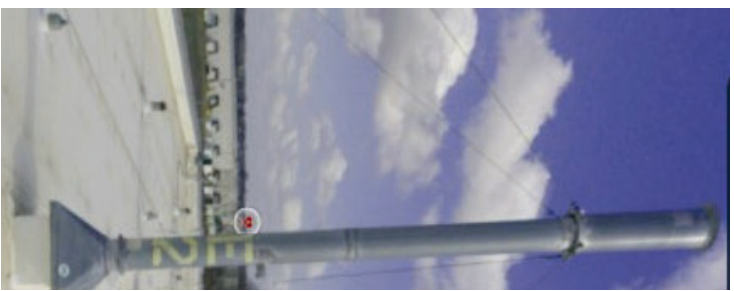
is:

2488.87	2488.87
0.05	0.05
0.05	0.05
2503.66	2503.66

4.95	4.95
0.00	0.00
0.24	0.24
0.27	0.27
0.03	0.03
0.38	0.38
0.25	0.25
1.60	1.60
2.18	2.18

m to ft Conversion                      3.28 f/m  
 Building                                      33.82 ft

	Diameter	Velocity	CFM	Height
Paint Panel Booths 1-4	Main	2.25		48.79
	Re-Circ 1	0.64		48.47
	Re-Circ 2	0.64		48.47
Full Body Booth 5-8	Re-Circ 3	0.64		48.47
	Oven	1.79		48.38
	Main			
Mix Room	Oven	1.57		48.30
	Main	0.79		44.43
Waste Storage	Main	0.79		43.96
	Main			
Battery Lab	Main	0.77		44.02
	Main			
Cutting Table	Main	1.56		43.83
	Main			
MIG Weld	Main	1.56		43.83
	Main			
Laser Weld				44.96





Appendix A - Insignificant Activities

Emission Unit	Emission Point
1 Laser Weld <del>Roller-Hem</del>	
2 Press Grinding <del>Slush Machine</del> <del>End Mill</del> <del>Vibration Weld</del> <del>Stitch Machine</del> <del>Assembly Line (Engine)</del> <del>Axle Assembly Unit</del>	EP09
3 Machine Shop (Drill, Lathe, Grinder, Milling)	
4 Abrasive Blasting <del>Drill Press</del>	
5 Additive Laboratory (3D Printing) <del>Metal Cutting</del> <del>Powder-Coating Machine</del>	
6 Welding (MIG, TIG, Spot)	EP07 (Laser)
7 Plasma Cutters	
8 Vehicle Component Testing <del>Stamping Press</del> <del>Milling</del>	
9 Grinding <del>Production Trials</del>	
10 Paint Booth Main (0.63 MMBTU) Paint Booth Aux (0.4 MMBTU)	EP06
Paint Booth Pre-Heat (2.5 MMBTU)	EP06
Aux Make-Up Air (0.3 MMBTU)	EP06
Hot Water Heater (0.5 MMBTU)	EP06
11 High Viscosity Testing	EP08
12 Plasma Robot Testing	
13 Battery Lab	EP14

Generally Applicable Regulation

Status

Remove from permit. Not a source of emissions.

Removed from site.

Repeat, Remove.

Remove from permit. Not a source of emissions.

Remove from permit. Not a source of emissions.

Removed from Site

Removed from site.

Repeat, Remove.

Operational.

Remove from permit. Not a source of emissions.

Removed.

Operational

Never Installed.

Repeat, Remove.

Operational

Remove from permit. Not a source of emissions.

Operational

Operational

Operational

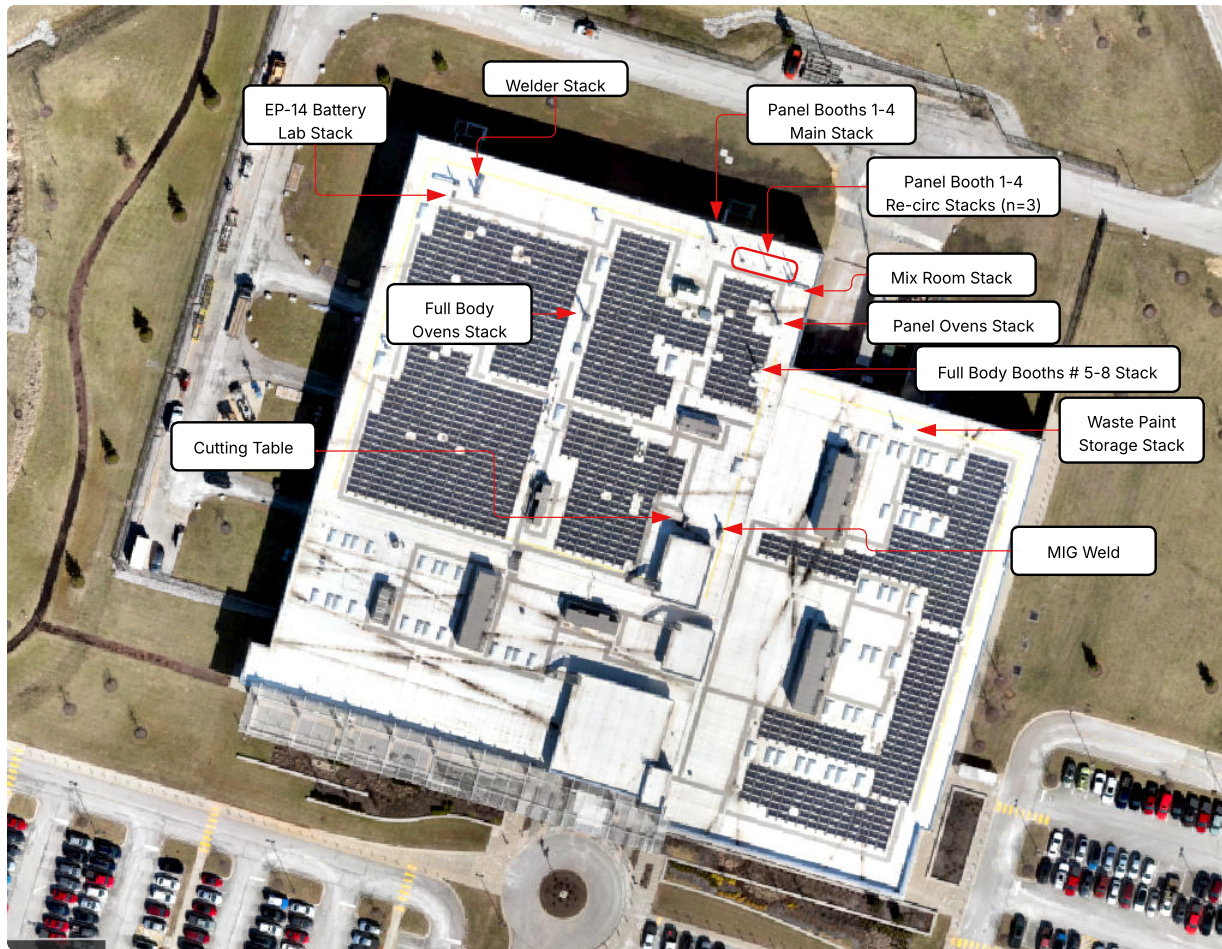
Operational

Operational

Operational

Operational

Operational



**Commonwealth of Kentucky**  
**Energy and Environment Cabinet**  
**Department for Environmental Protection**  
**Division for Air Quality**  
**300 Sower Boulevard, 2<sup>nd</sup> Floor**  
**Frankfort, Kentucky 40601**  
**(502) 564-3999**

**Final**

**AIR QUALITY PERMIT**  
**Issued under 401 KAR 52:020**

**Permittee Name:** Toyota Motor Engineering & Manufacturing  
North America, Inc. (TEMA)  
**Mailing Address:** 151 Engineering Way, Georgetown, KY 40324

**Source Name:** Toyota Motor Engineering & Manufacturing  
North America, Inc. (TEMA)  
**Mailing Address:** 1001 Cherry Blossom Way,  
Georgetown, KY 40324

**Source Location:** Same As Above

**Permit ID:** V-20-012 R1  
**Agency Interest #:** 126184  
**Activity ID:** APE20220002, APE20220003  
**Review Type:** Title V / Synthetic Minor, Construction / Operating  
**Source ID:** 21-209-00072

**Regional Office:** Frankfort Regional Office  
300 Sower Boulevard, 1st Floor  
Frankfort, KY 40601  
(502) 564-3358

**County:** Scott

**Application**

**Complete Date:** April 21, 2020  
**Issuance Date:** November 23, 2020  
**Revision Date:** April 3, 2023  
**Expiration Date:** November 23, 2025

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*Rick Shewekah*

For Michael J. Kennedy, P.E.  
Director  
Division for Air Quality

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B. EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS	Renewal	2
C. INSIGNIFICANT ACTIVITIES	Renewal	5
D. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS	Renewal	7
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F. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS	Renewal	9
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Permit	Permit Type	Activity#	Complete Date	Issuance Date	Summary of Action
V-20-012	Renewal	APE20200001	4/21/2020	11/22/2020	Permit Renewal
V-20-012 R1	Minor Revision	APE20220002, APE20220003	12/7/2022	4/3/2023	Addition of 4 Paint Booths (EU10~13) and an R&D Battery Lab

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Energy and Environment Cabinet (Cabinet) hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes (KRS) Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

Toyota Motor Engineering & Manufacturing North America, Inc. (TEMA), Source ID # 21-209-00072, Agency Interest: 126184 and Toyota Motor Manufacturing, Kentucky, Incorporated (TMMK), Source ID # 21-209-00030, Agency Interest: 7998, are located on contiguous properties, belong to the same industrial grouping, and are under common control. By the definition of major stationary source in 401 KAR 51:001, TEMA and TMMK constitute one major source for PSD purpose. By the definition of major source in 401 KAR 52:001 for Title V program, they constitute one major source for non-hazardous regulated air pollutants and hazardous air pollutants, therefore, both facilities' emissions should be aggregated for the purpose of Title V, and PSD applicability determination.

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

**Emission Units 01-04**      **Paint Booths #1, #2, #3, #4**  
**Emission Units 10-13**      **Paint Booths #5, #6, #7, #8**

**Description:**

Eight paint booths equipped with a combination of automatic and manual spray guns. Spray guns will consist of robotic bell and electrostatic applicators. Construction Date for Booths 1-4: July 2015  
**Construction Projected Date for Booths 5-8: February 2023** ~~Controls: Dry filters used for PM/PM<sub>10</sub> emissions control Control Efficiency: 95 percent~~

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**APPLICABLE REGULATIONS:**

401 KAR 50:012, *General application*

401 KAR 59:010, *New process operations*

**STATE-ORIGIN REQUIREMENTS:**

401 KAR 63:020, *Potentially hazardous matter or toxic substances*

**1. Operating Limitations:**

- a Pursuant to 401 KAR 50:012, Section 1(2), General Application of Administrative Regulations and Standards, in the absence of a standard specified in the administrative regulations, 401 KAR Chapters 50 to 65, all major air contaminant sources shall, as a minimum, apply control procedures that are reasonable, available, and practical.

**Compliance Demonstration Method:**

The permittee shall keep VOC-containing chemicals and VOC-containing waste materials stored in closed containers.

- ~~a The filters shall be in place and operated according to the manufacturer's specifications and recommendations at any time a given spray booth is in use.~~
- b Purging solvents shall be collected and retained until such time as they are shipped offsite for disposal or recycled. Waste purge solvent tanks shall be kept closed when not in use.

**2. Emission Limitations:**

- a The following emission limitations for particulate matter are pursuant to 401 KAR 59:010, Section 3 (2):
  - (1) Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed **2.34** lbs/hr.

**Compliance Demonstration Method:**

~~The source is considered to be in compliance when the dry filters are operating and properly maintained~~The permittee shall track PM emissions from the paint booth to demonstrate compliance with the emission limit of 2.34 lbs/hr. Emissions shall be calculated using the permit basis or actual emissions. Refer to Subsection 4. **Specific Monitoring Requirements.**

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- b. The opacity of visible emissions from each stack shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

**Compliance Demonstration Method:**

See 4. **Specific Monitoring Requirements** for opacity compliance demonstration.

- c. See Section D for synthetic minor limit on VOC emissions.
- d. Based upon the emission rates of toxics and hazardous air pollutants determined by the Cabinet using information provided in the application and supplemental information submitted by the source, the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

**3. Testing Requirements:**

- a. Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].
- b. The permittee may use EPA Reference Method 24 to determine the VOC content of the reclaimed solvent sent off-site for disposal or recycling. See Section 5. **Specific Recordkeeping Requirements** below.

**4. Specific Monitoring Requirements:**

- a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack no less than weekly-monthly while the affected facility is operating. If visible emissions from the stacks are observed (not including condensed water in the plume), the permittee shall determine the opacity using Reference Method 9. In lieu of determining the opacity using U.S. EPA Method 9, the permittee shall immediately perform a corrective action which results in no visible emissions (not including condensed water in the plume).

~~a. The permittee shall install, calibrate, maintain and operate according to manufacturer's specifications a monitoring device (differential pressure gauges or manometers) to determine the pressure drop across the dry filters once a day during the operation of the spray booth. A permanent label displaying the operating range established for each collector shall be posted next to the selected instrument.~~

- b. The twelve-month rolling total VOC emissions shall be monitored monthly.

**5. Specific Recordkeeping Requirements:**

- a. The permittee shall maintain a log of the visual observations noting date, time, initials of observers, and records of corrective actions taken as a result of visible emissions from a stack and records of any Reference Method 9 readings performed.

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- ~~a. The permittee shall maintain records of calibration of the monitoring device and a log of the pressure drop readings across the filters, including the date, and dates of filter replacements. For any booth that is not in operation on a given date, this fact should also be noted.~~
- ~~b. The permittee shall keep the manufacturer's filter specifications on site.~~
- c. The permittee shall keep records of all solvent containing materials used during the month and the VOC/HAP content of each. IF some of the reclaimed solvent is shipping off-site for disposal or recycling, AND the permittee knows the VOC content of the reclaimed material thorough EPA test methods or a Division approved alternative, then the VOC content of the reclaimed material shipped off-site may be subtracted from the VOC used during the month when calculating emissions. Otherwise, the VOC emitted is assumed to be equal to the VOC used during a given month.
- d. Records shall include purchase orders, invoices, and safety data sheets (SDS) necessary to verify the type and amount used.
- e. At the end of each month, PM and VOC emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for PM and VOC emissions shall be calculated. Every month, the average hourly PM emissions from the paint booths shall be calculated.

**6. Specific Reporting Requirements:**

- ~~The permittee shall submit a copy of the control device inspection and repair log for those times when corrective actions are required due to an opacity exceedance and/or records of any Reference Method 9 opacity observations as noted in Section B (4) a. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6).~~
- a. The permittee shall report the number of gallons of each material applied, the amount of VOC's and HAP's contained in the materials (lbs./gal), and the source-wide monthly and 12-month rolling total VOC and HAP emissions as part of the semiannual reporting as required in Section F (5) & (6). VOC and HAP rolling totals shall be reported in units of tons.

**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to an opacity standard shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspection, evaluation, and any corrective action shall be recorded in a log. [Insignificant activities that do not exhaust directly to the atmosphere \(e.g. exhaust into the building climate and discharged through the HVAC system\) are not subject to an opacity standard.](#)

<u>Description</u>	<u>Generally Applicable Regulation</u>
<u>PRESS</u>	
<del>2</del> .1. Laser weld	401 KAR 59:010 401 KAR 63:020
<del>3</del> .2. Roller hem	401 KAR 59:010
<del>4</del> .3. _____	EP09 Press Grinding 401 KAR 59:010 401 KAR 63:020
<u>PLASTICS</u>	
<del>6</del> .4. New tech slush machine (infrared heating)	401 KAR 59:010
<del>7</del> .5. Endmill machine	401 KAR 59:010
<del>8</del> .6. Vibration weld	401 KAR 59:010
<del>9</del> .7. Stitch machine	401 KAR 59:010
<u>POWERTRAIN</u>	
<del>11</del> .8. _____	Assembly line      None
<del>12</del> .9. _____	Axle assembly units None
<del>13</del> .10. Common machining shop space (drill, lathe, etc.)	401 KAR 59:010 401 KAR 63:020
<u>TILT LAB</u>	
<del>15</del> .11. _____	Abrasives      401 KAR 59:010
<del>16</del> .12. _____	Drill press      401 KAR 59:010
<del>17</del> .13. _____	3D printing      None
<del>18</del> .14. Metal cutting	401 KAR 59:010 401 KAR 63:020

**SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)**

<u>Description</u>	<u>Generally Applicable Regulation</u>
15. Lathe	401 KAR 59:010 401 KAR 63:020
16. Powder coating with PM control device	401 KAR 59:010 401 KAR 63:020
17. EP07 Welders (MIG,TIG, Spot, Soldering, Laser w/ Dust collector)	401 KAR 59:010 401 KAR 63:020
18. Plasma cutters	401 KAR 59:010 401 KAR 63:020
19. Startup and testing of vehicle components	None
20. Stamping Press	401 KAR 59:010
21. Milling	401 KAR 59:010 401 KAR 63:020
22. Grinding	401 KAR 59:010 401 KAR 63:020

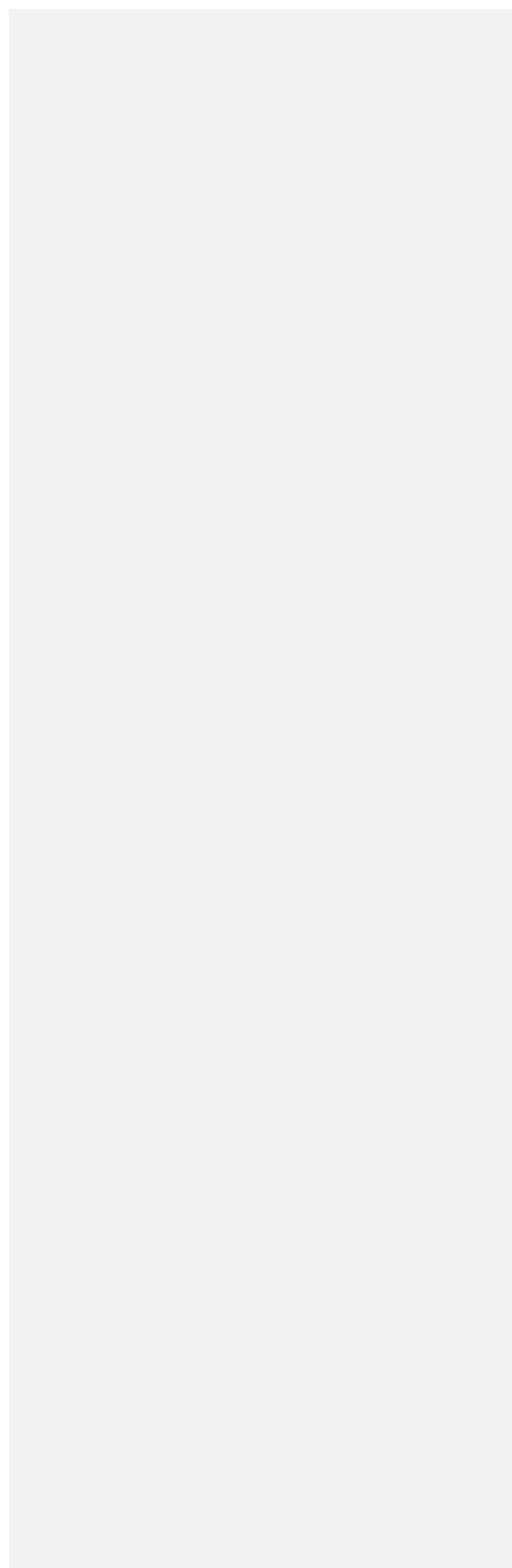
MISCELLANEOUS

<del>24-23.</del> Equipment Trials	Laboratory-Scale Production 401 KAR 63:020
<del>25-24.</del> Combustion Units a. Paint Booth Water Heater Main Burner (0.630 MMBtu/hr) b. Paint Booth Water Heater Auxiliary Burner (0.400 MMBtu/hr) c. Paint Booth Pre-Heater (2.5 MMBtu/hr) d. Auxiliary Make-Up Air Unit Burner (0.300 MMBtu/hr) e. Facilities Hot Water Heater A (0.500 MMBtu/hr) f. Facilities Hot Water Heater B (0.500 MMBtu/hr)	EP06 Source-wide Natural Gas None
<del>26-25.</del> Testing	EP08 High Viscosity Materials None
<del>27-26.</del>	Plasma Robot Testing      None
<del>28-27.</del> EP14 R&D Lithium Ion Battery Laboratory	401 KAR 59:010

Permit Number: V-20-012 R1

401 KAR 63:020

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**SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS**

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

**Synthetic Minor Limit on VOC Emissions**

Source-wide emissions of VOC shall not exceed 35 tons during any consecutive 12 months period to preclude applicability of 401 KAR 51:017.

**Compliance Demonstration Method:**

$$\text{Monthly VOC Emissions} = \sum_{i=1}^n M_i \rho_i$$

Where;

- $\rho$  = the amount of VOC in each solvent containing material less water and/or exempt solvent used during the month, (lbs./gal).
- $i$  = individual solvent containing material (i.e. coating and cleanup solvent, etc.)
- $n$  = total number of solvent containing materials used
- $M$  = gallons of solvent containing material “i” used

Source-wide VOC emissions =  $\sum$  [VOC emissions from spray coating operations] +  $\sum$  [VOC emissions from paint purging] -  $\sum$  [VOC emissions from reclaimed and shipped off-site purging solvents, if applicable] +  $\sum$  [VOC emissions from natural gas combustion units] +  $\sum$  [VOC emissions from Insignificant Activities, if applicable]

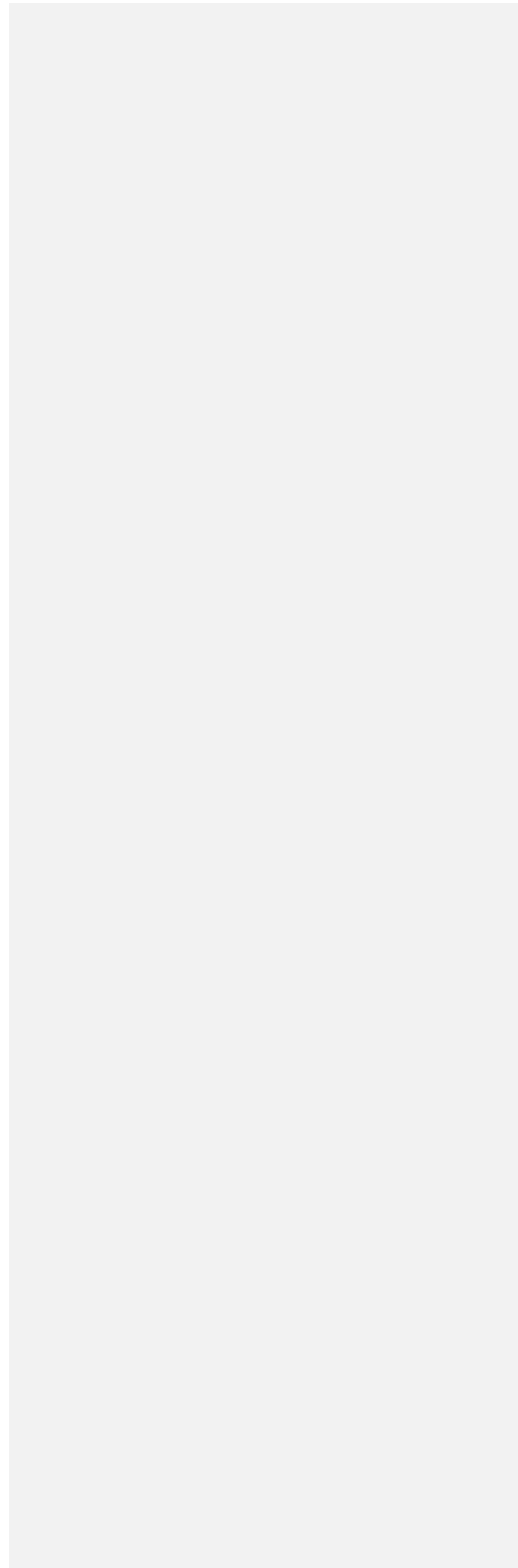
**Synthetic Minor Limit on PM Emissions**

Source-wide emissions of PM10 shall not exceed 10 tons during any consecutive 12 months period to preclude applicability of 401 KAR 51:017.

Compliance with annual limits ~~are is~~ based on a rolling twelve months total. Emissions shall be calculated on a monthly basis and shall be added to previous eleven months emissions to get a total of actual emissions for each consecutive 12 month period. Rolling totals shall be reported in units of tons.

**SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.



## **SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS**

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place as defined in this permit, and time of sampling or measurements;
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five (5) years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020, Section 3(1)h, the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

**SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020, Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1, the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken shall be submitted to the Regional Office listed on the front of this permit. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement does not identify a specific time frame for reporting deviations, prompt reporting, as required by Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, shall be defined as follows:
  - a. For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
  - b. For emissions of any regulated air pollutant, excluding those listed in F.8.a., that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
  - c. All deviations from permit requirements, including those previously reported, shall be included in the semiannual report required by F.6.
9. Pursuant to 401 KAR 52:020, Title V permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;

**SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- d. The method used for determining the compliance status for the source, currently and over the reporting period.
- e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
- f. The certification shall be submitted by January 30th of each year. Annual compliance certifications shall be sent to the following addresses:

Division for Air Quality  
Frankfort Regional Office  
300 Sower Blvd 1<sup>st</sup> floor  
Frankfort, KY 40601

U.S. EPA Region 4  
Air Enforcement Branch  
Atlanta Federal Center  
61 Forsyth St. SW  
Atlanta, GA 30303-8960

- 10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within 30 days of the date the Kentucky Emissions Inventory System (KYEIS) emissions survey is mailed to the permittee.

**SECTION G - GENERAL PROVISIONS**1. General Compliance Requirements

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020, Section 3(1)(b), and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
  - (2) The Cabinet or the United States Environmental Protection Agency (U. S. EPA) determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;
  - (4) New requirements become applicable to a source subject to the Acid Rain Program.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

- d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 7 and 8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020, Section 3(1)(c)].

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

- f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].
- g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- i. All emission limitations and standards contained in this permit shall be enforceable as a practical matter. All emission limitations and standards contained in this permit are enforceable by the U.S. EPA and citizens except for those specifically identified in this permit as state-origin requirements. [Section 1a-15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3) 2].
- l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
- n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3) 4.].
- o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3) 1.].

## **SECTION G - GENERAL PROVISIONS (CONTINUED)**

- p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
- q. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
  - (1) Applicable requirements that are included and specifically identified in this permit; and
  - (2) Non-applicable requirements expressly identified in this permit.

### **2. Permit Expiration and Reapplication Requirements**

- a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six (6) months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
- b. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020, Section 8(2)].

### **3. Permit Revisions**

- a. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the State Implementation Plan (SIP) or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
- b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

**SECTION G - GENERAL PROVISIONS (CONTINUED)****4. Construction, Start-Up, and Initial Compliance Demonstration Requirements**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, ~~emission units EP07 Laser Welding, EP10 through 13 Paint Booths and EP14 R&D Battery Laboratory in accordance with the terms and conditions of this permit.~~

- a. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
- b. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, notification of the following:
  - (1) The date when construction commenced.
  - (2) The date of start-up of the affected facilities listed in this permit.
  - (3) The date when the maximum production rate specified in the permit application was achieved.
- c. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
- d. Pursuant to 401 KAR 50:055, Section 2(1)(a), an owner or operator of any affected facility subject to any standard within the administrative regulations of the Division for Air Quality shall demonstrate compliance with the applicable standard(s) within sixty (60) days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial start-up of such facility. Pursuant to 401 KAR 52:020, Section 3(3)(c), sources that have not demonstrated compliance within the timeframes prescribed in 401 KAR 50:055, Section 2(1)(a), shall operate the affected facility only for purposes of demonstrating compliance unless authorized under an approved compliance plan or an order of the cabinet.
- e. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. Testing must also be conducted in accordance with General Provisions G.5 of this permit.

## **SECTION G - GENERAL PROVISIONS (CONTINUED)**

- f. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

### **5. Testing Requirements**

- a. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least thirty (30) days prior to the test.
- b. Pursuant to 401 KAR 50:045, Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.
- c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

### **6. Acid Rain Program Requirements**

- a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.
- b. The permittee shall comply with all applicable requirements and conditions of the Acid Rain Permit and the Phase II permit application (including the Phase II NOx compliance plan and averaging plan, if applicable) incorporated into the Title V permit issued for this source. The source shall also comply with all requirements of any revised or future acid rain permit(s) issued to this source.

## **SECTION G - GENERAL PROVISIONS (CONTINUED)**

### **7. Emergency Provisions**

- a. Pursuant to 401 KAR 52:020, Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - (1) An emergency occurred and the permittee can identify the cause of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - (4) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.1-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
  - (5) This requirement does not relieve the source of other local, state or federal notification requirements.
- b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
- c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

### **8. Ozone Depleting Substances**

- a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.155.
  - (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156 and 40 CFR 82.157.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

(6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

9. Risk Management Provisions

a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to U.S. EPA using the RMP\* eSubmit software.

b. If requested, submit additional relevant information to the Division or the U.S. EPA.

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**SECTION H - ALTERNATE OPERATING SCENARIOS**

None

**SECTION I - COMPLIANCE SCHEDULE**

None

