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

Draft

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Permittee Name:	**Mubea, Inc.**
Mailing Address:	**8283 Dixie Highway** **Florence, KY 41042**
Source Name:	**Mubea, Inc.**
Mailing Address:	**8283 Dixie Highway** **Florence, KY 41042**
Source Location:	**8200, 8212, 8224, 8252, 8283, 8299 Dixie Highway**
Permit ID:	**F-25-036**
Agency Interest #:	**48936**
Activity ID:	**APE20250001**
Review Type:	**Conditional Major, Construction / Operating**
Source ID:	**21-015-00124**
Regional Office:	**Florence Regional Office** **8020 Veterans Memorial Drive, Suite 110** **Florence, KY 41042** **(859) 525-4923**
County:	**Boone**
Application Complete Date:	**August 20, 2025**
Issuance Date:	
Expiration Date:	

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

TABLE OF CONTENTS

Permit	Permit Type	Activity #	Complete Date	Issuance Date	Summary of Action
F-25-036	Renewal	APE20250001	8/20/25		Add and remove blasters from EP03. Remove EP11 and EP12 (Diesel Emergency Generators). Add EP14 (Natural Gas Emergency Generator). Changes to insignificant activities. Remove HAP Limits.

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 was 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 52:030, Federally-enforceable permits for non-major sources.

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.

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

EP02A Hose Clamp Dip and Spin Operations

Description: Dip and Spin Operations consist of a Dip and Spin booth with one natural gas dry oven. Located at 8252 building. The unit operates as a Permanent Total Enclosure (PTE).

EP MP1:	Dip and Spin Coating Operation
Fuel:	Natural Gas
Construction date:	2010
Control equipment:	Regenerative thermal oxidizer (RTO-1) Tann
Destruction efficiency:	98.3% at 1557° tested on June 8, 2023
Rated capacity:	0.75 MMBTU/hr
EP MP2:	Dip and Spin Line Curing Zone
Fuel:	Natural gas
Construction date:	2010
Rate capacity:	1.15 MMBTU/hr
EP MP3:	Dip and Spin Line Dry Oven
Fuel:	Natural gas
Construction date:	2010
Rate capacity:	2.15 MMBTU/hr

APPLICABLE REGULATIONS:
401 KAR 50:012, *General Application. Section 1(5)*

STATE-ORIGIN REQUIREMENTS:
401 KAR 63:020, *Potentially hazardous matter or toxic substances.*

1. **Operating Limitations:**
   a. The permittee shall not remove control equipment or discontinue procedures previously required in a nonattainment area to achieve the national ambient air quality standards until a state implementation plan containing different requirements has been approved by the U.S. EPA. Accordingly, the permittee must continue to comply with the requirements from 401 KAR 59:225 originally applicable to the emission unit. [401 KAR 50:012, Section 1(5)]

   b. The permittee shall operate RTO at all times surface coating is being performed. In addition, emissions from the process specified above shall be routed to the RTO at all times. [401 KAR 52:030, Section 10]

   c. The minimum pressure differential through the enclosure shall be at least 0.007 inches water column. The direction of air flow though all NDO's (Natural Draft Openings) shall be into the enclosure during operation of affected facilities. [401 KAR 52:030, Section 10]

   d. The average combustion temperature of RTO in any three (3) hour period shall not fall below the combustion temperature limit established during the most recent performance test. If the 3-hour average combustion chamber temperature falls below the operating temperature limit established for the thermal oxidizer, then the permittee shall assume

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

destruction efficiency of zero, during the time period of the deviation for the purpose of demonstrating compliance with emission limitations. [401 KAR 52:030, Section 10]

e. The permittee shall install, calibrate, maintain and operate in accordance with manufacturer's specifications a temperature monitoring device equipped with a continuous recorder in the firebox of the thermal oxidizer or in the duct immediately downstream of the firebox before any substantial heat exchange occurs. [401 KAR 52:030, Section 10]

2. Emission Limitations:

a. No person shall cause, allow, or permit an affected facility to discharge into the atmosphere more than fifteen (15) percent by weight of the VOC's net input into the affected facility. [401 KAR 50:012 Section 1(5)]

Compliance Demonstration Method:

1) Compliance on one (1) coating line with VOC emission limits shall be based on an averaging period not to exceed twenty-four (24) hours. If it is not economically or technically feasible to determine emissions on a daily basis, alternatives expressing emission limits for longer averaging times may be accepted if approved by the cabinet. Case-by-case alternatives approved by the cabinet, but not previously authorized by the U.S. EPA, shall be submitted to the U.S. EPA as a SIP revision. [401 KAR 50:012 Section 1(5)]

2) Calculations to determine equivalency on (1) coating line shall be based on mass of VOC per volume of solids. [401 KAR 50:012 Section 1(5)]
Daily VOC emission shall be calculated as follows:
Using the most recently demonstrated destruction efficiency (D) of the oxidizer to which captured emissions have been routed, and the demonstrated capture efficiency (C)

$$\text{Emissions} = \left[(1-D)\sum M_i \rho_i \mathbf{C}\right]_{\text{Base Coat, Gray Top Coat, Black Top Coat}}$$

$$+ \left[(1-D)\sum M_i \rho_i \mathbf{C}\right]_{\text{Base Coat Thinner, Gray Top Coat Thinner, Black Top Coat Thinner}}$$

$$+ \left[(1-\mathbf{C})\sum M_i \rho_i\right]_{\text{Uncaptured Emissions}}$$

Where:

M = Daily usage of each coating, solvent thinner diluents, or any other VOC/HAP containing material in pounds or gallons per month] × [appropriate conversion factor (if usage is in gallons) for gallons to pounds for each coating, solvent thinner, diluents, cleaners or any other VOC/HAP containing material used.

"i" = (primer, thinner, etc.) used

ρ = percent by weight of VOC in material "i"

D = Destruction Efficiency (equals zero if temperature of the RTO falls below temperature established in most recent performance test)

C = Capture Efficiency. Note: C&D are expressed as decimals.

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

b. Refer to Section D for the source-wide VOC emission limitations.

c. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

Compliance Demonstration Method:
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. The permittee shall conduct a performance test for RTO using EPA Reference Method 25A or alternate as approved by the Administrator to determine the control efficiency no later than 5 years following the previous performance test. [401 KAR 52:030, Section 10]

b. The permittee shall use the data collected during the performance test to calculate and record the average combustion temperature maintained during the performance test. This calculated average combustion temperature is the minimum operating limit for the thermal oxidizer. [401 KAR 52:030, Section 10]

4. Specific Monitoring Requirements:

a. The permittee shall monitor and maintain records of the total daily and monthly usage of coating and solvents. Refer to **2. Emission Limitations, Compliance Demonstration Method**, above. [401 KAR 50:012 Section 1(5)]

b. The permittee shall monitor the temperature in the firebox of the RTO or immediately downstream of the firebox, before any substantial heat exchange occurs. Compliance shall be demonstrated by monitoring and recording the combustion temperature at least once every 15 minutes and by calculating and recording the 3-hour averages. [401 KAR 52:030, Section 10]

c. The permittee shall monitor the pressure differential through the enclosure daily when an affected facility is operating. [401 KAR 52:030, Section 10]

d. The permittee shall monitor the 12-month rolling total VOC emissions monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain record of the coating operation conditions during the add-on-device performance test showing that the performance test was conducted under representative conditions. [401 KAR 52:030, Section 10]

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

b. The permittee shall maintain records of the following information for the thermal oxidizer (RTO): [401 KAR 52:030, Section 10]

i. The design and/or manufacturer's parameter specifications;

ii. The operational procedures and preventive maintenance records;

iii. The calibration records for the combustion temperature sensor, validation checks and the subsequent accuracy audits;

iv. A log of visual inspections of each temperature sensor if redundant temperature sensors are not used;

v. A record of the average combustion chamber temperature limit established during the most recent performance test and all relevant supporting data;

vi. The continuously-recorded combustion chamber temperature of the thermal oxidizer along with the 3-hour averages; and

vii. Record all periods (during surface coating operations), in which the 3-hour average combustion chamber temperature of the thermal oxidizer is below the temperature limit established during the most recent performance test. Each occurrence shall be considered a deviation from permit requirements.

viii. During all periods of operation of the thermal oxidizer in which the 3-hour average combustion chamber temperature is below the combustion chamber temperature limit established by the most recent performance test, and a daily log of the following information shall be kept:

1. Whether any air emissions were visible from the facilities associated with the thermal oxidizer;

2. Whether visible emissions were normal for the process;

3. The cause of the visible emissions; and

4. Corrective action(s) taken shall be recorded.

c. The permittee shall maintain a log of the pressure drop readings across the enclosure, including the date. For any affected facility that is not in operation on a given date, this fact should also be noted. [401 KAR 52:030, Section 10]

d. The permittee shall maintain daily records of the following information. The permittee shall make these records available to the cabinet or U.S. EPA upon request. The records shall include, but are not limited to, the following: [401 KAR 50:012 Section 1(5)]

i. Applicable administrative regulation number;

ii. Application method and substrate type;

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

iii. Amount and type of adhesive, coating (including catalyst and reducer for multicomponent coatings), or solvent used at each point of application, including exempt compounds;

iv. The VOC content as applied in each adhesive, coating, or solvent;

v. The date for each application for coating, or solvent, and

vi. Calculations shall follow **EP02 2. Emission Limitations (a) Compliance Demonstration Method.**

e. The net input of VOC during any specified time period shall be considered to equal the total amount of VOC purchased and used during that specific time period. If any waste solvent is reclaimed and shipped off-site for disposal or recycling, AND the permittee can verify the VOC content of the reclaimed material through 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 purchased and used during the month when calculating emissions. [401 KAR 52:030, Section 10]

f. The permittee shall calculate and record the weight percentage of VOCs emitted. Compliance on one (1) coating line with VOC emission limits shall be based on an averaging period not to exceed twenty-four (24) hours. [401 KAR 50:012 Section 1(5)]

g. At the end of each month, the permittee shall calculate VOC emissions according to Section D, and every month, a new 12-month rolling total for VOC emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:

a. The permittee shall identify, record, and submit a written report to the Field office for each deviation from the permitted conditions. [401 KAR 52:030, Section 10]

i. For the thermal oxidizer, this is each instance in excess of 3 hours during which the average temperature of the thermal oxidizer remains below the limit established during the most recent measurement of oxidizer efficiency.

ii. For the PTE, each instance in which the pressure differential through the enclosure is less than 0.007 inches water column.

iii. For emissions reporting, treat the materials used during a deviation on a controlled coating operation as if they were used on an uncontrolled coating operation for the time period of the deviation.

iv. If no deviations occur during a particular 6-month period, the permittee shall state this in the semi-annual report required by Permit Section F(6) - General Condition.

b. The permittee shall report the number of gallons of each coating applied, the amount of VOC contained in the coatings, and the source wide monthly and 12-month rolling total VOC emissions as part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

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

7. Specific Control Equipment Operating Conditions:

a. The Thermal Oxidizer (RTO) must meet the following requirements: [401 KAR 52:030, Section 10]

i. The permittee shall use a temperature sensor with a measurement sensitivity of 5 degrees Fahrenheit or 1.0 percent of the temperature value, whichever is larger. Before using the sensor for the first time or when relocating or replacing the sensor, the permittee shall perform a validation check by comparing the sensor output to a calibrated temperature measurement device or by comparing the sensor output to a simulated temperature, [401 KAR 52:030, Section 10]

ii. The permittee shall conduct an accuracy audit every quarter and after every deviation. Accuracy audit methods include comparisons of sensor output to redundant temperature sensors, to calibrated temperature measurement devices, or to temperature simulation devices, and [401 KAR 52:030, Section 10]

iii. The permittee shall conduct a visual inspection of each sensor every quarter if redundant temperature sensors are not used. [401 KAR 52:030, Section 10]

b. Each pressure drop measurement device must meet the following requirements: [401 KAR 52:030, Section 10]

i. The pressure sensor(s) shall be located in or as close as possible to, a position that provides a representative measurement of the pressure drop across each opening monitored, [401 KAR 52:030, Section 10]

ii. The pressure sensor shall have an accuracy of at least 0.5 inches of water column or 5 percent of the measured value, whichever is larger, [401 KAR 52:030, Section 10]

iii. The pressure sensor(s) shall undergo an initial calibration of the sensor according to the manufacturer's requirements, [401 KAR 52:030, Section 10]

iv. The pressure sensor(s) shall be subject to accuracy audits every quarter and after every deviation. (Accuracy audits include comparison of sensor values to calibrated pressure measurement devices or to pressure simulation using calibrated pressure sources), [401 KAR 52:030, Section 10]

v. The pressure sensor(s) shall undergo monthly leak checks on all pressure connections. (A pressure of at least 1.0 inches of water column to the connection must yield a stable sensor result for at least 15 second). [401 KAR 52:030, Section 10]

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

EP03 All Shot Peen Blasters in the Facility

Description: Steel shot blasting

Shotpeen 8200:
Draw Line 3: 1998
Draw Line 4: 1998
Draw Line 5: 1999
Draw Line 6: 2023

Process Rate: 60.52 tons/hour
Control Device: One integral Ultra Web cartridge filter associated with each blaster.
Control Effectiveness: 99.9% PM control from filters. All units exhaust inside the building. Combined control effectiveness plus building settling from exhausting indoors is 99.97%.

Building 8224:

Shotpeen	Process Rate (tons/hr)
1. Coiling Line 1: 2001	105.82
2. Coiling Line 2: 2025	119.05
3. Coiling Line 3: 2003	105.82
4. Coiling Line 4: 2005	105.82
5. Coiling Line 5: 2015	105.82
6. Coiling Line 6: 2015	105.82

Stresspeen	Process Rate (tons/hr)
1. Coiling Line 3: 2004	79.37
2. Coiling Line 3: 2004	79.37
3. Coiling Line 4: 2004	79.37
4. Coiling Line 4: 2004	79.37

Finepeen	Process Rate (tons/hr)
1. Coiling Line 1: 2015	105.82
2. Coiling Line 2: 2025	119.05
3. Coiling Line 5: 2015	105.82
4. Coiling Line 6: 2015	105.82

14 units located in building 8224.
Control Device: One integral Ultra Web cartridge filter associated with each blaster.
Control Effectiveness: 99.9% PM control from filters. All units exhaust inside the building. Combined control effectiveness plus building settling from exhausting indoors is 99.97%.

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

EP03 All Shot Peen Blasters in the Facility (Continued)

Shotpeen 8252:
Draw Line 1: 2024
HC Line 1: 2001
HC Line 2: 1997

3 units located in building 8252.
Process Rate: 22.49 tons/hour
Control Device: One integral Ultra Web cartridge filter associated with each blaster.
Control Effectiveness: 99.9% PM control from filters. All units exhaust inside the building. Combined control effectiveness plus building settling from exhausting indoors is 99.97%.

APPLICABLE REGULATIONS:
401 KAR 59:010, *New process operations.*

STATE-ORIGIN REQUIREMENTS:
401 KAR 63:020, *Potentially hazardous matter or toxic substances.*

1. **Operating Limitations:**
   The control devices shall be in place and operated according to the manufacturer's specifications and recommendations at any time the associated equipment is in use. [401 KAR 52:030, Section 10]

2. **Emission Limitations:**
   c. The permittee shall not cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity. [401 KAR 59:010, Section 3(1)(a)]

      Compliance Demonstration Method:
      Refer to **4**. **Specific Monitoring Requirements (a)** and **5. Specific Recordkeeping Requirements (a).**

   d. For emissions from a control device or stack, the permittee shall not cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of the quantity specified in 401 KAR 59:010, Appendix A. [401 KAR 59:010, Section 3(2)]
      i. For process weight rates ≤ 0.5 tons/hour: $E=2.34$
      ii. For process weight rates ≤ 30 tons/hour: $E=3.59P^{0.62}$
      iii. For process weight rates > 30 tons/hour: $E=17.31P^{0.16}$
      Where:
      E = rate of the emission in lb/hr
      P = process weight rate in tons/hr

      Compliance Demonstration Method:
      Compliance with the mass emission standard is assumed based on the potential to emit for the emission unit when properly operating the control equipment. Refer to **4**. **Specific**

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

Monitoring Requirements (b), 5. Specific Recordkeeping Requirements (b) and **(c),** and **7. Specific Control Equipment Operating Conditions**

e. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

Compliance Demonstration Method:
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:
Performance testing using the reference methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet. [401 KAR 50:045, Section 1, and 401 KAR 59:005, Section 2(2)]

4. Specific Monitoring Requirements:

a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack, vent, or opening no less than weekly while the affected facility is operating. If visible emissions from the stacks, vents, or openings are observed (not including condensed water in the plume), the permittee shall determine the opacity using U.S. EPA Reference Method 9. In lieu of determining the opacity using U.S. EPA Reference Method 9, the permittee shall immediately perform a corrective action which results in no visible emissions (not including condensed water in the plume). [401 KAR 52:030, Section 10]

b. The permittee shall inspect the units for proper operation semiannually. The permittee shall perform preventive maintenance in accordance with the manufacturer's specifications and recommendations. At a minimum, the following components shall be inspected: [401 KAR 52:030, Section 10]

i. Filters;

ii. Gaskets and seals;

iii. Filter cleaning mechanism.

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain a log of the qualitative visual observations made as specified in **4. Specific Monitoring Requirements (a)** including the date, time, initials of observer, whether any emissions were observed (yes/no), and any U.S. EPA Reference Method 9 readings taken. [401 KAR 52:030, Section 10]

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

b. The permittee shall keep records of the monthly total input of blasting materials (steel pellets), for each emission point: [401 KAR 52:030, Section 10]

c. The permittee shall maintain a log of the semiannual filter inspections, including the date, and document filter replacements and maintenance performed on the control equipment. [401 KAR 52:030, Section 10]

d. The permittee shall keep the manufacturer's control equipment specifications on site. [401 KAR 52:030, Section 10]

e. The permittee shall keep SDS for all blasting material used on site. [401 KAR 52:030, Section 10].

6. Specific Reporting Requirements:

The permittee shall submit a copy of the inspection and repair log for those times when corrective actions are required due to an opacity exceedance and/or records of any U.S. EPA Reference Method 9 opacity observations as noted in **4. Specific Monitoring Requirements (a)**. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

7. Specific Control Equipment Operating Conditions:

Refer to Section E.

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

EP4C 8224 Maintenance Parts Washer 1
EP4F 8224 Maintenance Parts Washer 2
EP4G 8299 Maintenance Parts Washer
EP4H Tool Rack Maintenance Degreaser

Description:
The units are cold cleaner degreasers using Safety Kleen cleaning solution or other chemical brands.
Construction Date: 2022, 2022, 2021, 2025

APPLICABLE REGULATIONS:
401 KAR 59:185, *New solvent metal cleaning equipment.*

STATE-ORIGIN REQUIREMENTS:
401 KAR 63:020, *Potentially hazardous matter or toxic substances.*

1. **Operating Limitations:**
   a. The permittee shall not operate a cold cleaner using a solvent with a vapor pressure that exceeds 1.0 mmHg (0.019 psi) measured at 20° C (68° F). [40 KAR 59:185 Section 4(3)(b)]

      Compliance Demonstration Method:
      Refer to **5. Specific Recordkeeping Requirements (a)**, **(d)**, and **(e)**.

   b. The permittee shall comply with the following control equipment requirements:

      i. The cleaner shall be equipped with a cover. If the solvent volatility is greater than fifteen (15) mm Hg measured at 100°F or if the solvent is agitated or heated, then the cover shall be designed so that it can be easily operated with one (1) hand. [401 KAR 59:185 Section 4(1)(a)]

      ii. The cleaner shall be equipped with a drainage facility so that solvent that drains off parts removed from the cleaner will return to the cleaner. If the solvent volatility is greater than thirty-two (32) mm Hg measured at 100°F then the drainage facility shall be internal so that parts are enclosed under the cover while draining. The drainage facility may be external if the cabinet determines that an internal type cannot fit into the cleaning system. [401 KAR 59:185 Section 4(1)(b)]

      iii. A permanent, conspicuous label, summarizing the operating requirements specified in 401 KAR 59:185 Section 4(2) shall be installed on or near the cleaner. [[401 KAR 59:185 Section 4(1)(c)]

      iv. If used, the solvent spray shall be a fluid stream, not a fine, atomized or shower type spray, and at a pressure that does not cause excessive splashing. [401 KAR 59:185 Section 4(1)(d)]

      v. If the solvent volatility is greater than 32 mm Hg measured at 100°F or if the solvent is heated above 120°F, then one of the following control devices shall be used: [401 KAR 59:185 Section 4(1)(e)]

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

1. Freeboard height that gives a freeboard ratio greater than or equal to seven-tenths (0.7); [401 KAR 59:185 Section 4(1)(e)(1)]

2. Water cover, solvent shall be insoluble in and heavier than water; or; [401 KAR 59:185 Section 4(1)(e)(2)]

3. Other systems of equivalent control, such as a refrigerated chiller or carbon adsorption. [401 KAR 59:185 Section 4(1)(e)(3)]

c. The permittee shall comply with the following operating requirements:

i. Waste shall not be disposed of or transferred to another party so that greater than twenty (20) percent by weight of the waste can evaporate into the atmosphere. Waste shall be stored only in covered containers, [401 KAR 59:185 Section 4(2)(a)]

ii. Degreaser cover shall be closed if not handling parts in the cleaner, and [401 KAR 59:185 Section 4(2)(b)]

iii. Cleaned parts shall be drained for a minimum of fifteen (15) seconds, or until dripping ceases, whichever is longer. [401 KAR 59:185 Section 4(2)(c)]

iv. The flushing of parts with a flexible hose or other flushing device shall be performed only within the freeboard area of the cold cleaner. The solvent flow shall be directed downward to avoid turbulence at the air-solvent interface so as to prevent the solvent from splashing outside of the cold cleaner. [401 KAR 59:185 Section 4(2)(d)]

v. Work area fans shall be positioned so that air is not directed across the opening of the cold cleaner. [401 KAR 59:185 Section 4(2)(e)]

vi. The use of an air-agitated solvent bath is prohibited. A pump-agitated solvent bath shall be operated so as to produce no observable splashing of the solvent against either the tank wall or the parts that are being cleaned. [401 KAR 59:185 Section 4(2)(f)]

vii. The cold cleaner shall be free of all liquid leaks. Auxiliary cleaning equipment such as pumps, water separators, steam traps, or distillation units shall not have any visible leaks, tears, or cracks. [401 KAR 59:185 Section 4(2)(g)]

viii. Spills that occur during solvent transfer shall be cleaned immediately. Wipe rags, or other absorbent equipment and materials, used to clean the spill shall be stored in a covered container for disposal unless storage of these items is prohibited by fire protection authorities. [401 KAR 59:185 Section 4(2)(h)]

2. Emission Limitations:

a. Refer to Section D for the source-wide VOC emission limitations.

b. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic

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

substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

Compliance Demonstration Method:
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:**
Testing shall be conducted at such times as may be requested by the Cabinet. [401 KAR 50:045, Section 1]

4. **Specific Monitoring Requirements:**
The permittee shall monitor the 12-month rolling total VOC emissions monthly. [401 KAR 52:030, Section 10]

5. **Specific Recordkeeping Requirements:**
   a. The permittee shall maintain monthly records for a minimum of five (5) years that include the following information for each solvent purchase: [401 KAR 59:185 Section 4(4)(b)]

      i. The name and address of the solvent supplier; [401 KAR 59:185 Section 4(4)(b)(1)]

      ii. The date of purchase; [401 KAR 59:185 Section 4(4)(b)(2)]

      iii. The type of solvent; [401 KAR 59:185 Section 4(4)(b)(3)]

      iv. The vapor pressure of the solvent measured in mm Hg at 20° C (68° F); [401 KAR 59:185 Section 4(4)(b)(6)]

   b. The permittee shall maintain monthly records of all materials used containing VOC, including the product type, amount used and the weight percentage for VOC. [401 KAR 52:030, Section 10]

   c. At the end of each month, the permittee shall calculate VOC emissions according to Section D, and every month, a new 12-month rolling total for VOC emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

6. **Specific Reporting Requirements:**
The permittee shall report the amount of each solvent used, the amount of VOC contained in the solvents, and the source-wide monthly and 12-month rolling total VOC emissions as part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

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

EP05 Seven Annealing Processes/Furnaces

Description:
Enclosed hydrogen annealing furnaces.
Construction Date: 2014 (1, 2, & 3), 2017 (4), 2018 (5 & 6), 2019 (7)
Heat Input Capacity: 4.78 MMBtu/hr per furnace
Fuel: Natural Gas

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

1. **Operating Limitations:**
   The permittee shall use only natural gas to fuel the furnaces. [401 KAR 52:030, Section 10]

2. **Emission Limitations:**
   a. Refer to Section D for the source-wide VOC emission limitations.

   b. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

   Compliance Demonstration Method:
   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:**
   Testing shall be conducted at such times as may be requested by the Cabinet. [401 KAR 50:045, Section 1]

4. **Specific Monitoring Requirements:**
   a. The permittee shall monitor the amount of natural gas combusted, in MMscf, on a monthly basis. [401 KAR 52:030, Section 10]

   b. The permittee shall monitor the 12-month rolling total VOC emissions monthly. [401 KAR 52:030, Section 10]

5. **Specific Recordkeeping Requirements:**
   a. The permittee shall maintain records of the amount of natural gas combusted, in MMscf, combusted on a monthly basis. [401 KAR 52:030, Section 10]

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

b. At the end of each month, the permittee shall calculate VOC emissions according to Section D, and every month, a new 12-month rolling total for VOC emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:

The permittee shall report the source-wide monthly and 12-month rolling total VOC emissions as part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

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

EP06 Diesel Fuel-Fired Emergency Fire Pump

Description:
Rated Capacity: 275 horsepower, 205 kW.
Displacement: 5.9 liters/cylinder
Manufacturer: Peerless/Cummins
Fuel: Diesel
Manufacture Date: September 2006
Construction Date: 2014

APPLICABLE REGULATIONS:
401 KAR 60:005 Section 2(2)(dddd), 40 C.F.R. 60.4200 through 60.4219, Tables 1 through 8 (Subpart IIII), *Standards of Performance for Stationary Compression 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*

1. **Operating Limitations:**
   a. The permittee shall use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel. [40 CFR 60.4207(b)]

   b. The permittee shall do all of the following, except as permitted under 40 CFR 60.4211(g): [40 CFR 60.4211(a)]

      i. Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; [40 CFR 60.4211(a)(1)]

      ii. Change only those emission-related settings that are permitted by the manufacturer; and [40 CFR 60.4211(a)(2)]

      iii. Meet the requirements of 40 CFR part 1068, as they apply. [40 CFR 60.4211(a)(3)]

   c. The permittee shall operate the emergency stationary ICE according to the requirements in 40 CFR 60.4211(f)(1) through (3). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 60.4211(f)(1) through (3), is prohibited. If the permittee does not operate the engine according to the requirements in 40 CFR 60.4211(f) (1) through (3), the engine will not be considered an emergency engine under 40 CFR 60, Subpart IIII and must meet all requirements for non-emergency engines. [40 CFR 60.4211(f)]

      i. There is no time limit on the use of emergency stationary ICE in emergency situations. [40 CFR 60.4211(f)(1)]

      ii. The permittee may operate the emergency stationary ICE for the purpose specified in 40 CFR 60.4211(f)(2)(i) for a maximum of 100 hours per calendar year. Any operation

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

for non-emergency situations as allowed by 40 CFR 60.4211(f)(3) counts as part of the 100 hours per calendar year allowed by this paragraph. [40 CFR 60.4211(f)(2)]

1. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. [40 CFR 60.4211(f)(2)(i)]

iii. Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 60.4211(f)(2). Except as provided in 40 CFR 60.4211(f)(3)(i)4, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4211(f)(3)]

2. Emission Limitations:

a. Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to 40 CFR 60 Subpart IIII, for all pollutants. [40 CFR 60.4205(c)]

Emission standards for stationary fire pump engines with a displacement of <30 liters per cylinder in g/KW-hr (g/HP-hr)		
NMHC + NO_X	**CO**	**PM**
10.5 (7.8)	3.5 (2.6)	0.54 (0.40)

Compliance Demonstration Method:
The permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(c). The engine must be installed and configured according to the manufacturer's emission-related specifications [40 CFR 60.4211 (c)].

b. Refer to Section D for source-wide VOC emission limitations.

3. Testing Requirements:
Testing shall be conducted at such times as may be requested by the Cabinet. [401 KAR 50:045, Section 1]

4. Specific Monitoring Requirements:

a. The permittee must install a non-resettable hour meter prior to startup of the engines. [40 CFR 60.4209(a)]

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

b. The permittee shall monitor the hours of operation on a monthly basis. [401 KAR 52:030, Section 10]

c. The permittee shall monitor the 12-month rolling total VOC emissions monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. The owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214(b)]

b. The permittee shall maintain documentation from supplier that the diesel fuel is certified to the standards in 40 CFR 1090.305 to demonstrate compliance with the diesel fuel requirements of 40 CFR 60.4207(b). [401 KAR 52:030, Section 10]

c. At the end of each month, the permittee shall calculate VOC emissions according to Section D, and every month, a new 12-month rolling total for VOC emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:

The permittee shall report the source-wide monthly and 12-month rolling total VOC emissions as part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

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

EP08 Boilers

Unit Number	Description	Capacity (mmBTU/hr)	Construction Date	Location
08-01	Hot Water Boiler	3	2018*	8224 Dixie
08-03	Pretreat Line Boiler #2	3	2021	8224 Dixie
08-04	Pretreat Line Boiler #3	3	2014	8224 Dixie
08-06	Galvanizing process boiler	1.5	2018	8299 Dixie

*Reconstructed and moved from 6800 Industrial to 8224 Dixie in 2022.

APPLICABLE REGULATIONS:
401 KAR 59:015, *New Indirect Heat Exchangers.*

STATE-ORIGIN REQUIREMENT:
401 KAR 63:020, *Potentially hazardous matter or toxic substances.*

1. **Operating Limitations:**
   During a startup period or shutdown period, the permittee shall comply with the work practice standards established in 401 KAR 59:015, Section 7. [401 KAR 59:015, Section 7]

   a. The permittee shall comply with 401 KAR 50:055, Section 2(5); [401 KAR 59:015, Section 7(1)(a)]

   b. The frequency and duration of startup periods or shutdown periods shall be minimized by the affected facility; [401 KAR 59:015, Section 7(1)(b)]

   c. All reasonable steps shall be taken by the permittee to minimize the impact of emissions on ambient air quality from the affected facility during startup periods and shutdown periods; [401 KAR 59:015, Section 7(1)(c)]

   d. The actions, including duration of the startup period, of the permittee during startup and shutdown periods, shall be documented in signed, contemporaneous logs or other relevant evidence; [401 KAR 59:015, Section 7(1)(d)]

   e. Startups and shutdowns shall be conducted according to either: [401 KAR 59:015, Section 7(1)(e)]

      i. The manufacturer's recommended procedures; or [401 KAR 59:015, Section 7(1)(e)1.]

      ii. Recommended procedures for a unit of similar design, for which manufacturer's recommended procedures are available, as approved by the cabinet based on documentation provided by the permittee. [401 KAR 59:015, Section 7(1)(e)2.]

   Compliance Demonstration Method:
   Refer to **5. Specific Recordkeeping Requirements (b)**.

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

2. Emission Limitations:

a. The permittee shall not cause emissions of particulate matter in excess of the following amounts per MMBtu actual heat input: [401 KAR 59:015, Section 4(1)]

Unit Number	Emission Limit
08-01	0.50 lb/MMBtu
08-03	0.50 lb/MMBtu
08-04	0.54 lb/MMBtu
08-06	0.50 lb/MMBtu

b. The permittee shall not cause emissions of particulate matter in excess of 20 percent opacity, except: [401 KAR 59:015, Section 4(2)]

i. A maximum of 40 percent opacity shall be allowed for a maximum of 6 consecutive minutes in any 60 consecutive minutes during fire box cleaning or soot blowing; and [401 KAR 59:015, Section 4(2)(b)]

ii. For emissions from an affected facility caused by building a new fire, emissions during the period required to bring the boiler up to operating conditions shall be allowed, if the method used is recommended by the manufacturer and the time does not exceed the manufacturer's recommendations. [401 KAR 59:015, Section 4(2)(c)]

c. The permittee shall not cause emissions of gases that contain sulfur dioxide in excess of the following amounts per MMBtu actual heat input. [401 KAR 59:015, Section 5(1)(a)]

Unit Number	Emission Limit
08-01	2.49 lb/MMBtu
08-03	2.50 lb/MMBtu
08-04	2.86 lb/MMBtu
08-06	2.49 lb/MMBtu

Compliance Demonstration Method:
Compliance with the 401 KAR 59:015 emission standards is assumed. [401 KAR 50:045, Section 4(3)(c)1].

d. Refer to Section D for the source-wide VOC emission limitations.

e. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

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

Compliance Demonstration Method:
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:**
Performance testing using the reference methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet. [401 KAR 50:045, Section 1, and 401 KAR 59:005, Section 2(2)]

4. **Specific Monitoring Requirements:**
   a. The permittee shall monitor the amount of natural gas combusted, in MMscf, on a monthly basis. [401 KAR 52:030, Section 10]

   b. The permittee shall monitor the 12-month rolling total VOC emissions monthly. [401 KAR 52:030, Section 10]

5. **Specific Recordkeeping Requirements:**
   a. The permittee shall maintain records of the amount of natural gas combusted, in MMscf, on a monthly basis. [401 KAR 52:030, Section 10]

   b. The permittee shall keep records of the manufacturer's recommended procedures for startup and shutdown, any instance in which the recommended procedures were not followed, and any corrective action taken. [401 KAR 52:030, Section 10]

   c. At the end of each month, the permittee shall calculate VOC emissions according to Section D, and every month, a new 12-month rolling total for VOC emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

6. **Specific Reporting Requirements:**
The permittee shall report the source-wide monthly and 12-month rolling total VOC emissions as part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

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

EP13 One Natural Gas-Fired Emergency Spark Ignition (SI) Reciprocating Internal Combustion Engine (RICE) (Building 8224)

Description:
Power Output Rated Capacity: 112.2 HP
Displacement: 6.8 L
Cylinders: 10
Model: Cummins/Onan 70GGHF
Model Year: 2012
Manufacture Date: 2012
Construction Date: 2012

EP14 One Natural Gas-Fired Emergency Spark-Ignition (SI) Reciprocating Internal Combustion Engine (RICE) (Building 8299)

Description:
Power Output Rated Capacity: 167.2 HP
Displacement: 6 L
Cylinders: 6
Model: Cummins C100N6
Manufacture Date: 2018
Construction Date: 2025

APPLICABLE REGULATIONS:
401 KAR 60:005 Section 2(2)(eeee), 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*

1. **Operating Limitations:**
   a. The permittee shall operate and maintain stationary SI ICE that achieves the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. [40 CFR 60.4234]

   b. The permittee shall operate the emergency stationary ICE according to the requirements in 40 CFR 60.4243(d)(1) through (3). In order for the engine to be considered an emergency stationary ICE under 40 CFR 60, Subpart JJJJ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 60.4243(d)(1) through (3), is prohibited. If the permittee does not operate the engine according to the requirements in 40 CFR 60.4243(d)(1) through (3), the engine will not be considered an emergency engine under 40 CFR 60 Subpart JJJJ and must meet all requirements for non-emergency engines. [40 CFR 60.4243(d)]

      i. There is no time limit on the use of emergency stationary ICE in emergency situations. [40 CFR 60.4243(d)(1)]

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

ii. The permittee may operate the emergency stationary ICE for the purpose specified in 40 CFR 60.4243(d)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 60.4243(d)(3) counts as part of the 100 hours per calendar year allowed by this paragraph. [40 CFR 60.4243(d)(2)]

1. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. [40 CFR 60.4243(d)(2)(i)]

iii. Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 60.4243(d)(2). Except as provided in 40 CFR 60.4243 (d)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4243(d)(3)]

2. Emission Limitations:

The permittee shall comply with the emission standards in 40 CFR 60.4231(e) for their stationary SI ICE. [40 CFR 60.4233(e)]

Compliance Demonstration Method:

Owners and operators of a stationary SI internal combustion engine that must comply with the emission standards specified in 40 CFR 60.4233(d) or (e) must demonstrate compliance according to one of the methods specified in 40 CFR 60.4243(b)(1) and (2). [40 CFR 60.4243(b)]

i. Purchasing an engine certified according to procedures specified in 40 CFR 60 Subpart JJJJ, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR 60.4243(a). [40 CFR 60.4243(b)(1)]

ii. Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) and according to the requirements specified in 40 CFR 60.4244, as applicable, and according to 40 CFR 60.4243(b)(2)(i) and (ii). [40 CFR 60.4243(b)(2)]

3. Testing Requirements:

Testing shall be conducted at such times as may be requested by the Cabinet. [401 KAR 50:045, Section 1]

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

4. Specific Monitoring Requirements:

a. The permittee must install a non-resettable hour meter upon startup of the emergency engine. [40 CFR 60.4237(c)]

b. The permittee shall monitor the hours of operation on a monthly basis. [401 KAR 52:040, Section 10]

c. The permittee shall monitor the 12-month rolling total VOC emissions monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of the information in 40 CFR 60.4245(a)(1) through (4): [40 CFR 60.4245(a)]

i. All notifications submitted to comply with this subpart and all documentation supporting any notification. [40 CFR 60.4245(a)(1)]

ii. Maintenance conducted on the engine. [40 CFR 60.4245(a)(2)]

iii. If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable. [40 CFR 60.4245(a)(3)]

iv. If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards. [40 CFR 60.4245(a)(4)]

b. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 60.4245(b)]

c. At the end of each month, the permittee shall calculate VOC emissions according to Section D, and every month, a new 12-month rolling total for VOC emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:

The permittee shall report the source-wide monthly and 12-month rolling total VOC emissions as part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, 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.

Description	Generally Applicable Regulation
Building (8200 Dixie):	
1. Aqueous Degreaser	None
2. Heat Lines (12 Lines)	401 KAR 63:010
3. Rust Prevent	None
4. Grinding 1 & 2	401 KAR 59:010 401 KAR 63:020
Building 2 (8252 Dixie):	
1. Hose Clamp Line #1 Hardening Oven	401 KAR 63:020
2. Hose Clamp Line #1 Salt Bath fire Tube Burner	401 KAR 59:010
3. Hose Clamp Line #2 Hardening Oven	401 KAR 63:020
4. Hose Clamp Line #2 Salt Bath fire Tube Burner	401 KAR 59:010
5. Hose Clamp Line #3 Hardening Oven	401 KAR 63:020
6. Hose Clamp Line #3 Salt Bath fire Tube Burner	401 KAR 59:010
7. Hose Clamp Aqueous Degreaser	None
8. Hardening Oven #3	401 KAR 63:020
9. Salt Bath fire Tube Burner #3	401 KAR 59:010
10. Wire Heating – Heat Line 13	401 KAR 59:010 401 KAR 63:020
11. Grinding 1 & 2 – Draw Line 7	401 KAR 59:010 401 KAR 63:020

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

Description	Generally Applicable Regulation
12. Transmission Spring Heat Treat Ovens line 14	401 KAR 63:020
13. Transmission Spring Hardening Oven line 14	401 KAR 63:020
14. Trans Spring Aqueous Degreaser	None
15. Methanol Storage Tank (12,000 Gal)	401 KAR 63:020
Building 4 (8224 Dixie Highway):	
1. Stress Relief Oven # 1 for Coiling Line	401 KAR 63:020
2. Stress Relief Oven # 2 for Coiling Line	401 KAR 63:020
3. Stress Relief Oven # 3 for Coiling Line	401 KAR 63:020
4. Stress Relief Oven # 4 for Coiling Line	401 KAR 63:020
5. Stress Relief Oven # 5 for Coiling Line	401 KAR 63:020
6. Stress Relief Oven # 6 for Coiling Line	401 KAR 63:020
7. Powder Paint Operations (5 lines)	401 KAR 59:010
8. Space Heater	401 KAR 63:020
9. Powder Line Dry-Off Ovens	401 KAR 59:010 401 KAR 63:020
10. Powder Line Oven Preheaters	401 KAR 59:010 401 KAR 63:020
11. Powder Line Curing Ovens	401 KAR 59:010 401 KAR 63:020
12. Load Test Touch-up	401 KAR 63:020
13. QC Marking Paint	401 KAR 63:020
14. Coil Spring Development Oven	401 KAR 63:020
15. Steel Cutting Operation	401 KAR 59:010 401 KAR 63:020

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

Description	Generally Applicable Regulation
8299 TRB Building:	
1. Oil Emulsion Process None	
2. Aqueous Degreaser None	
3. Galvanizing Line/Zinc Coating	None
4. Oil Emulsion Process 2 None	
5. Galvanizing Seam Welding	401 KAR 63:020
6. Laser Cutting, Welding, and Marking	401 KAR 59:010 401 KAR 63:020
8283 Building:	
1. HVAC Units (2 x 0.4 MMBtu/hr)	401 KAR 63:020
2. Dock Heaters (4 x 0.4 MMBtu/hr)	401 KAR 63:020
3. Propane Heater for Water Tank (0.98 MMBtu/hr)	401 KAR 63:020

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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, Particulate Matter, and Opacity 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.

   a. Source-wide emissions of VOC shall not exceed 50 tons during any consecutive 12-month period. [401 KAR 52:030]

      Compliance Demonstration Method:

      $$\text{Monthly VOC Emissions from EU02A} = \sum_{i=1}^{n} M_i \rho_i$$

      Where:

      ρ = weight percent of VOC in each solvent containing material less water and/or exempt solvent used during the month, (lbs/lb).
      i = individual solvent containing material (e.g. washer solvent, etc.)
      n = total number of solvent containing materials used
      M = pounds of solvent containing material "i " used

      Source-wide VOC emissions = Σ [VOC emissions from hose clamp, dip, and spin operations (refer to Section B for equation)] + Σ [VOC emissions from parts washing and degreasing] + Σ [VOC emissions from diesel, propane, and natural gas combustion units] + Σ [VOC emissions from Insignificant Activities, if applicable]

   b. Compliance with annual limits is based on a rolling 12-month total. Emissions shall be calculated on a monthly basis and shall be added to previous eleven months' emissions to get the total actual emissions for each consecutive 12-month period.

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 Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 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 [401 KAR 52:030, Section 3(1)(f)1a, and Section 1a-7 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

3. In accordance with the requirements of 401 KAR 52:030, Section 3(1)f, 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 Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

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 52:030, Section 22. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported

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

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 Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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 52:030, 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 in accordance with the following requirements:
   a. Identification of each term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   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

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

certifications shall be sent to the Division for Air Quality, Florence Regional Office, 8020 Veterans Memorial Drive, Suite 110, Florence, KY 41042.

10. In accordance with 401KAR 52:030, Section 3(1)(d), 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. If a KYEIS emissions survey is not mailed to the permittee, then the permittee shall comply with all other emissions reporting requirements in this permit.

11. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
    a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
        (1) The size and location of both the original and replacement units; and
        (2) Any resulting change in emissions;
    b. The potential to emit (PTE) of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
    c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
    d. The replacement unit shall comply with all applicable requirements; and
    e. The source shall notify Regional office of all shutdowns and start-ups.
    f. Within six (6) months after installing the replacement unit, the owner or operator shall:
        (1) Re-install the original unit and remove or dismantle the replacement unit; or
        (2) Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030, 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 the termination, revocation and reissuance, revision, or denial of a permit [Section 1a-2 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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-5 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030, Section 18. 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 52:030, 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.

      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- 6 and 7 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

   e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030, Section 3(1)(c)].

   f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect

SECTION G - GENERAL PROVISIONS (CONTINUED)

information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030, 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-11 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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-3 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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-12 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, 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-9 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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 52:030, Section 11(3)].

l. This permit does not convey property rights or exclusive privileges [Section 1a-8 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, 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.

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.

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

SECTION G - GENERAL PROVISIONS (CONTINUED)

incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:030, 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 52:030, Section 12].

b. The authority to operate granted through this permit 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 52:030, Section 8(2)].

3. Permit Revisions

a. Minor permit revision procedures specified in 401 KAR 52:030, Section 14(3), 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 52:030, 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 unit EP14 in accordance with the terms and conditions of this permit, F-25-036.

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 52:030, 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. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the draft permit. 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 52:030, 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)

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

   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.

7. Emergency Provisions

   a. Pursuant to 401 KAR 52:030, Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other 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) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
      (5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

SECTION G - GENERAL PROVISIONS (CONTINUED)

b. Emergency conditions listed in General Provision G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030, Section 23(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030, Section 23(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 82.166.
   (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
   (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.

SECTION H - ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A