

**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**

**EXAMPLE: CKT'S WCNK\I 'RGTO KV**  
**Educational Reference Only**

**Permittee Name:** Frankfort Coating Innovations, LLC.  
**Mailing Address:** 300 Sower Blvd.  
Frankfort, KY 40601

**Source Name:** Frankfort Coating Innovations, LLC.  
**Mailing Address:** 300 Sower Blvd.  
Frankfort, KY 40601

**Source Location:** 300 Sower Blvd.

**Permit ID:** S-55-123  
**Agency Interest #:** 35050  
**Activity ID:** APE20240001  
**Review Type:** Minor Source, Operating  
**Source ID:** 21-999-87654

**Regional Office:** Frankfort Regional Office  
300 Sower Blvd.  
Frankfort, KY 40601  
(502) 564-3999

**County:** Franklin

**Application**  
**Complete Date:** December 10, 2019  
**Issuance Date:** January 1, 2020  
**Expiration Date:** January 1, 2030

**ACC/SAMR Workshop Activity**

---



# TABLE OF CONTENTS

<b>SECTION</b>	<b>ISSUANCE</b>	<b>PAGE</b>
A. PERMIT AUTHORIZATION	Renewal	1
B. EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS	Renewal	2
C. GENERAL CONDITIONS	Renewal	14
D. INSIGNIFICANT ACTIVITIES	Renewal	19

<b>Permit</b>	<b>Permit Type</b>	<b>Activity#</b>	<b>Complete Date</b>	<b>Issuance Date</b>	<b>Summary of Action</b>
S-55-123	Renewal	APE20190001	12/10/2019	01/01/2020	Renewal Operating Permit

## **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 52:040, State-origin 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.

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS****Emission Unit 01-16          Thermal Spray Operation****Description:**

Powder Spraying Process

16 thermal spray booths equipment with 10 robotic High Velocity Oxygen Fuel (HVOF) spray guns and 16 robotic plasma torches (3 MMBtu/hr. total N.G.)

Estimated transfer efficiency: 65%

Construction Date: EP1-EP4 constructed in 1986, EP5-EP8 constructed in 1992, EP9 & EP10 constructed in 2001, EP11-EP16 constructed in 2012.

Controls for metal HAP and PM/PM<sub>10</sub> emissions:

Cyclones for all 16 booths, 98% control efficiency

One cartridge collector after each cyclone

99.98% total effective control efficiency

**APPLICABLE REGULATIONS:**

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

**401 KAR 63:002, Section 2(4)(uuuuu)**, 40 C.F.R. 63.11504 through 63.11512, Table 1 (Subpart WWWWWW), *National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations*

**1. Operating Limitations:**

- a. For EP01 to EP10, the permittee shall operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a water curtain, fabric filter, cartridge, or HEPA filter, according to 40 CFR 63.11507(f)(1)(i) and (ii). [40 CFR 63.11507(f)(1)]
  - (1) The permittee shall operate all capture and control devices according to the manufacturer's specifications and instructions. [40 CFR 63.11507(f)(1)(i)]
  - (2) The permittee shall keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by operators. [40 CFR 63.11507(f)(1)(ii)]
- b. For EP11 to EP16, the permittee shall operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a fabric, cartridge, or HEPA filter, according to 40 CFR 63.11507(f)(2)(i) and (ii). [40 CFR 63.11507(f)(2)]
  - (1) The permittee shall operate all capture and control devices according to the manufacturer's specifications and instructions. [40 CFR 63.11507(f)(2)(i)]
  - (2) The permittee shall keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by operators. [40 CFR 63.11507(f)(2)(ii)]

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

- c. The permittee shall implement the applicable management practices in 40 CFR 63.11507 (g)(1) through (12) during all times that the effected process is in operation, as practical. [40 CFR 63.11507(g)]
  - (1) Perform regular repair, maintenance, and preventative maintenance of equipment associated with affected sources, as practicable. [40 CFR 63.11507(g)(6)]
  - (2) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns as practicable. [40 CFR 63.11507(g)(9)]
  - (3) Perform regular inspections to identify leaks and other opportunities for pollution prevention. [40 CFR 63.11507(g)(12)]

**Compliance Demonstration Method:**

- A. The permittee shall be in compliance with the applicable management practices and equipment standards in 40 CFR 63, Subpart WWWW at all times. [40 CFR 63.11508(b)]
- B. To demonstrate continuous compliance with the applicable management practices and equipment standards specified in 40 CFR 63, Subpart WWWW, the permittee shall satisfy the requirements specified in 40 CFR 63.11508(d)(1) through (8). [40 CFR 63.11508(d)]
  - 1. The permittee shall always operate and maintain the affected source, including air pollution control equipment. [40 CFR 63.11508(d)(1)]
  - 2. The permittee shall prepare an annual compliance certification according to the requirements specified in 40 CFR 63.11509(c), "Notification, Reporting, and Recordkeeping," and keep it in a readily-accessible location for inspector review. [40 CFR 63.11508(d)(2)]
  - 3. For the requirements in 40 CFR 63.11507(f)(1) and (2), the permittee shall demonstrate continuous compliance according to 40 CFR 63.11508(d)(4)(i) through (v). [40 CFR 63.11508(d)(4)]
    - i. The permittee shall operate and maintain the control system according to the manufacturer's specifications and instructions. [40 CFR 63.11508(d)(4)(i)]
    - ii. Following any malfunction or failure of the capture or control devices to operate properly, the permittee shall take immediate corrective action to return the equipment to normal operation according to the manufacturer's specifications and operating instructions. [40 CFR 63.11508(d)(4)(ii)]
    - iii. The permittee shall state in the annual certification that the permittee has operated and maintained the control system according to the manufacturer's specifications and instructions. [40 CFR 63.11508(d)(4)(iii)]

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

- iv. The permittee shall record the results of all control system inspections, deviations from proper operation, and any corrective action taken. [40 CFR 63.11508(d)(4)(iv)]
  - v. The permittee shall keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators. [40 CFR 63.11508(d)(4)(v)]
4. For the management practices specified in 40 CFR 63.11507(g), "What are my standards and management practices?", the permittee shall demonstrate continuous compliance according to 40 CFR 63.11508(d)(8)(i) and (ii). [40 CFR 63.11508(d)(8)]
- i. The permittee shall implement the applicable management practices during all times that the affected process is in operation. [40 CFR 63.11508(d)(8)(i)]
  - ii. The permittee shall state in the annual compliance certification that the permittee has implemented the applicable management practices, as practicable. [40 CFR 63.11508(d)(8)(ii)]

**2. Emission Limitations:**

- a. No person shall cause, suffer, allow, or permit any continuous emission into the open air from a control 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)].

**Compliance Demonstration Method:**

Refer to **4. Monitoring Requirements** and **5. Recordkeeping Requirements** for opacity compliance demonstration.

- b. No person shall cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of 2.34 lb/hr. [401 KAR 59:010, Section 3(2)]

**Compliance Demonstration Method:**

The source is assumed to be in compliance when the filters are in place and properly maintained. Refer to **4. Monitoring Requirements** and **5. Recordkeeping Requirements**.

**3. Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 4.

**4. Monitoring Requirements:**

- a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack no less than weekly while the affected facility is operating. If visible emissions from the stacks are observed (not including condensed water in the plume), the permittee

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

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 52:040, Section 10]

- b. The permittee shall visually inspect the cartridge collector once a week during the operation of the unit to ensure the manufacturer's recommendations are followed. [401 KAR 52:040, Section 10]

**5. Recordkeeping Requirements:**

- a. The permittee shall maintain a log of the qualitative visual observations made as specified in **4. 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 52:040, Section 10]
- b. The permittee shall maintain a log of the weekly control device inspection, including the date, and document cartridge filter replacements. [401 KAR 52:040, Section 10]
- c. Monthly records shall be kept of all materials used containing HAP, including the product type, amount used and the weight percentages of all individual HAP's. [401 KAR 52:040, Section 10]
- d. The permittee shall keep the records specified in 40 CFR 63.11509(e)(1) through (3). [40 CFR 63.11509(e)]
  - (1) A copy of any Initial Notification and Notification of Compliance Status that the permittee submitted and all documentation supporting those notifications. [40 CFR 63.11509(e)(1)]
  - (2) The records specified in 40 CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of 40 CFR Part 63. [40 CFR 63.11509(e)(2)]
  - (3) The records required to show continuous compliance with each management practice and equipment standard that applies to the permittee, as specified in 40 CFR 63.11508(d), "What are my compliance requirements?" [40 CFR 63.11509(e)(3)]
- e. The permittee shall keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1) of the General Provisions to part 63. The permittee shall keep the records offsite for the remaining 3 years. [40 CFR 63.11509(f)]

**6. Reporting Requirements:**

- a. 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

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

records of any U.S. EPA Reference Method 9 opacity observations as noted in 4. **Monitoring Requirements** (a). Copies of these records shall be submitted as a part of the semiannual reporting as required in Section C (3). [401 KAR 52:040, Section 10]

- b. The permittee shall prepare an annual certification of compliance report for 40 CFR 63 Subpart WWWW according to 40 CFR 63.11509(c)(1) through (7). These reports do not need to be submitted unless a deviation from the requirements of 40 CFR 63, Subpart WWWW has occurred during the reporting year, in which case, the annual compliance report shall be submitted along with the deviation report. [40 CFR 63.11509(c)]
  - (1) For the requirements in 40 CFR 63.11507(f)(1) and (2), the permittee shall state in the annual certification that the permittee has operated and maintained the control system according to the manufacturer's specifications and instructions. [40 CFR 63.11509(c)(2)(iii)]
  - (2) For the management practices specified in 40 CFR 63.11507(g), "What are my standards and management practices?" the permittee shall state in the annual compliance certification that the permittee has implemented the applicable management practices, as practicable. [40 CFR 63.11509(c)(6)]
  - (3) Each annual compliance report shall be prepared no later than January 30 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report shall be submitted along with the deviation report, and postmarked or delivered no later than January 30 of the year immediately following the reporting period. [40 CFR 63.11509(c)(7)]
- c. If any deviations from the compliance requirements specified in 40 CFR 63, Subpart WWWW occurred during the year, the permittee shall report the deviations, along with the corrective action taken, and submit this report to the Division. [40 CFR 63.11509(d)]
- d. The permittee shall complete and return a Compliance Certification Form in accordance with Section C (6) b of this permit. [401 KAR 52:040, Section 10]

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Emission Unit 33                      Dry Lubricant Spray Booth****Description:**

One dry lubricant spray booth equipped with one siphon feed air spray gun  
Four electric drying ovens  
Estimated transfer efficiency: 65%  
Construction Date: 1987  
Control equipment: Dry filters used for PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions control  
Control efficiency: 99.67%

**APPLICABLE REGULATIONS:**

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

**401 KAR 63:002, Section 2(4)(iiiiii)**, 40 C.F.R. 63.11169 through 63.11180, Table 1 (Subpart HHHHHH), *National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations*

**1. Operating Limitations:**

- a. All painters shall be certified that they have completed training in the proper spray application of surface coatings and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described in 40 CFR 63.11173(f). The spray application of surface coatings is prohibited by persons who are not certified as having completed the training described in 40 CFR 63.11173(f). [40 CFR 63.11173(e)(1)]

**Compliance Demonstration Method:**

The permittee shall ensure and certify that all new and existing personnel, including contract personnel, who spray apply surface coatings, as defined in 40 CFR 63.11180, are trained in the proper application of surface coatings as required by 40 CFR 63.11173(e)(1). The training program shall include, at a minimum, the items listed in 40 CFR 63.11173(e)(1) through (3). [40 CFR 63.11173(f)]

- A. A list of all current personnel by name and job description who are required to be trained. [40 CFR 63.11173(f)(1)]
- B. Hands-on and classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in 40 CFR 63.11173(2)(i) through (2)(iv). [40 CFR 63.11173(f)(2)]
  1. Spray gun equipment selection, set up, and operation, including measuring coating viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate. [40 CFR 63.11173(f)(2)(i)]

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

2. Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke. [40 CFR 63.11173(f)(2)(ii)]
  3. Routine spray booth and filter maintenance, including filter selection and installation. [40 CFR 63.11173(f)(2)(iii)]
  4. Environmental compliance with the requirements of 40 CFR 63, Subpart HHHHHHs. [40 CFR 63.11173(f)(2)(iv)]
- C. A description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Owners and operators who can show by documentation or certification that a painter's work experience and/or training has resulted in training equivalent to the training required in 40 CFR 63.11173(2) are not required to provide the initial training required by that paragraph to these painters. [40 CFR 63.11173(f)(3)]
- D. As required by 40 CFR 63.11173(e)(1), all new and existing personnel at an affected motor vehicle and mobile equipment or miscellaneous surface coating source, including contract personnel, who spray apply surface coatings, as defined in 40 CFR 63.11180, shall be trained by the dates specified in 40 CFR 63.11173(g)(1) and (2). Employees who transfer within a company to a position as a painter are subject to the same requirements as a new hire. [40 CFR 63.11173(g)]
1. All personnel shall be trained and certified no later than 180 days after hiring. Painter training that was completed within five years prior to the date training is required, and that meets the requirements specified in 40 CFR 63.11173(f)(2) satisfies this requirement and is valid for a period not to exceed five years after the date the training is completed. [40 CFR 63.11173(g)(2)]
  2. Training and certification will be valid for a period not to exceed five years after the date the training is completed, and all personnel shall receive refresher training that meets the requirements of 40 CFR 63.11173 and be re-certified every five years. [40 CFR 63.11173(g)(3)]
- b. All spray-applied coatings shall be applied in a spray booth or preparation station that meets the requirements of 40 CFR 63.11173(e)(2)(i) and either 40 CFR 63.11173(e)(2)(ii), (e)(2)(iii), or (e)(2)(iv). [40 CFR 63.11173(e)(2)]
- (1) All spray booths, preparation stations, and mobile enclosures shall be fitted with a type of filter technology that is demonstrated to achieve at least 98-percent capture of paint overspray. The procedure used to demonstrate filter efficiency shall be consistent with the ANSI/ASHRAE Standard 52.2–2017 (incorporated by reference, see 40 CFR 63.14). The filter efficiency shall be based on the difference between the quantity of dust injected and the quantity captured on the final filter with no test

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

- device in place. The filter will be challenged with 100 grams of loading dust and the final filter weight will be to the nearest 0.1 gram. EPA Method 319 of Appendix A to 40 CFR part 63 may be used as an alternative to ANSI/ASHRAE Standard 52.2–2017. The permittee may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement and are not required to perform this measurement. [40 CFR 63.11173(e)(2)(i)]
- (2) Spray booths and preparation stations shall have a full roof, at least three complete walls or complete side curtains, and shall be ventilated so that air is drawn into the booth. The walls and roof of a booth may have openings, if needed, to allow for conveyors and parts to pass through the booth during the coating process. [40 CFR 63.11173(e)(2)(iii)]
- c. All spray-applied coatings shall be applied with a high volume, low pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated by the spray gun manufacturer to achieve transfer efficiency comparable to one of the spray gun technologies listed above for a comparable operation, and for which written approval has been obtained from the Administrator. The requirements of this paragraph do not apply to the surface coating of aerospace vehicles that involves the coating of components that normally require the use of an airbrush or an extension on the spray gun to properly reach limited access spaces; to the application of coatings on aerospace vehicles that contain fillers that adversely affect atomization with HVLP spray guns; or to the application of coatings on aerospace vehicles that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.). [40 CFR 63.11173(e)(3)]
- d. All paint spray gun cleaning shall be done so that an atomized mist or spray of gun cleaning solvent and paint residue is not created outside of a container that collects used gun cleaning solvent. Spray gun cleaning may be done with, for example, hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of non-atomizing methods may also be used. [40 CFR 63.11173(e)(4)]
- e. The permittee shall be in compliance with the requirements in 40 CFR 63, Subpart HHHHHH at all times. At all times, the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.11173(h)]

**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****2. Emission Limitations:**

- a. No person shall cause, suffer, allow, or permit any continuous emission into the open air from a control 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)].

**Compliance Demonstration Method:**

Refer to **4. Monitoring Requirements** and **5. Recordkeeping Requirements** for opacity compliance demonstration.

- b. No person shall cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of 2.34 lb/hr. [401 KAR 59:010, Section 3(2)]

**Compliance Demonstration Method:**

The source is assumed to be in compliance when the filters are in place and properly maintained. Refer to **4. Monitoring Requirements** and **5. Recordkeeping Requirements**.

**3. Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 4.

**4. Monitoring Requirements:**

- a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack no less than weekly 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 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 52:040, Section 10]
- b. The permittee shall install, maintain and operate according to manufacturer's specifications a monitoring device (differential pressure gauges or manometers) to determine the pressure drop across the 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. [401 KAR 52:040, Section 10]

**5. Recordkeeping Requirements:**

- a. The permittee shall maintain a log of the qualitative visual observations made as specified in **4. 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 52:040, Section 10]

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

- b. The permittee shall maintain a log of the pressure drop readings across the filters, including the time, date, identity of the personnel making the record, and dates of filter replacements. For any booth that is not in operation on a given date, this fact should also be noted. [401 KAR 52:040, Section 10]
- c. The permittee shall keep the records specified in specified in 40 CFR 63.11177: [40 CFR 63.11177]
  - (1) Certification that each painter has completed the training specified in 40 CFR 63.11173(f) with the date the initial training and the most recent refresher training was completed. [40 CFR 63.11177(a)]
  - (2) Documentation of the filter efficiency of any spray booth exhaust filter material, according to the procedure in 40 CFR 63.11173(e)(3)(i). [40 CFR 63.11177(b)]
  - (3) Copies of any notification as required by 40 CFR 63.11175 and copies of any report submitted as required by 40 CFR 63.11176. [40 CFR 63.11177(d)]
  - (4) Records of any deviation from the requirements in 40 CFR 63.11173, 40 CFR 63.11174, 40 CFR 63.11175, or 40 CFR 63.11176. These records shall include the date and time period of the deviation, and a description of the nature of the deviation and the actions taken to correct the deviation. [40 CFR 63.11177(g)]
  - (5) Records of any assessments of source compliance performed in support of the initial notification, notification of compliance status, or annual notification of changes report. [40 CFR 63.11177(h)]
- d. The permittee shall maintain copies of the records specified in 40 CFR 63.11177 for a period of at least five years after the date of each record. Copies of records shall be kept on site and in a printed or electronic form that is readily accessible for inspection for at least the first two years after their date, and may be kept off-site after that two year period. [40 CFR 63.11178]

**6. Reporting Requirements:**

- a. 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 U.S. EPA Reference Method 9 opacity observations as noted in **4. Monitoring Requirements (a)**. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section C (3). [401 KAR 52:040, Section 10]
- b. ***Annual notification of changes report.*** The permittee shall submit a report in each calendar year in which information previously submitted in either the initial notification required by 40 CFR 63.11175(a), Notification of Compliance, or a previous annual notification of changes report submitted under 40 CFR 63.11176(a), has changed. Deviations from the relevant requirements in 40 CFR 63.11173(a) through (d) or 40 CFR 63.11173(e) through (g) on the date of the report will be deemed to be a change. The annual notification of changes report shall be submitted prior to March 1 of each calendar

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

year when reportable changes have occurred and shall include the information specified in 40 CFR 63.11176(a)(1) through (2). [40 CFR 63.11176(a)]

- (1) The company's name and the street address (physical location) of the affected source and the street address where compliance records are maintained, if different. [40 CFR 63.11176(a)(1)]
  - (2) The name, title, address, telephone, e-mail address (if available) and signature of the permittee, or other certifying company official, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR 63, Subpart HHHHHH or an explanation of any noncompliance and a description of corrective actions being taken to achieve compliance. [40 CFR 63.11176(a)(2)]
- c. The permittee shall submit the Annual Notification of Changes Report required in 40 CFR 63.11176(a) to the EPA via CEDRI (CEDRI can be accessed through the EPA's CDX (<https://cdx.epa.gov>)). The permittee shall upload to CEDRI an electronic copy of each applicable report in PDF. The applicable report shall be submitted by the deadline specified in 40 CFR 63, Subpart HHHHHH, regardless of the method in which the reports are submitted. Owners or operators who claim that some of the information required to be submitted via CEDRI is CBI shall submit a complete report, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Paint Stripping and Miscellaneous Surface Coating Operations Sector Lead, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described earlier in this paragraph. [40 CFR 63.11176(c)]
- d. If the permittee is required to electronically submit a report through the CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, the permittee will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, the permittee may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. The permittee shall submit notification to the Administrator in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. The permittee shall provide to the Administrator a written description identifying the date, time and length of the outage; provide to the Administrator a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which the permittee proposes to report, or if the permittee has already met the reporting requirement at the time of the notification, the date the permittee reported. In any circumstance, the report shall be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator. [40 CFR 63.11176(d)]

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

- e. If the permittee is required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due, the permittee may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of 40 CFR 63.11176, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the permittee from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If the permittee intends to assert a claim of force majeure, the permittee shall submit notification to the Administrator in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. The permittee shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which the permittee proposes to report, or if the permittee has already met the reporting requirement at the time of the notification, the date the permittee reported. In any circumstance, the reporting shall occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator. [40 CFR 63.11176(e)]

## SECTION C - GENERAL CONDITIONS

### 1. Administrative Requirements

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b), and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
- b. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issuance. 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 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 52:040, Section 15]
- c. 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 State-Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23].
- d. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. 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-4, 5, of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23].
- e. This permit does not convey property rights or exclusive privileges [Section 1a-8 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23].
- f. 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 52:040, Section 11(3)].
- g. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20.
- h. All previously issued permits to this source at this location are hereby null and void.

## **SECTION C - GENERAL CONDITIONS (CONTINUED)**

### **2. Recordkeeping Requirements**

- a. 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 at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040, Section 3(1)(f), and Section 1b-IV-2 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23].
- b. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

### **3. Reporting Requirements**

- a. In accordance with the provisions of 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - (1) 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.
  - (2) 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.
- b. 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 State Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23 shall be defined as follows:
  - (1) 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 shall be made within 24 hours of the occurrence.
  - (2) For emissions of any regulated air pollutant, excluding those listed in C.3.a.(1), that continue for more than two hours in excess of permit requirements, the report shall be made within 48 hours.
  - (3) All deviations from permit requirements, including those previously reported, shall be included in the semiannual report required C.3.d.

**SECTION C - GENERAL CONDITIONS (CONTINUED)**

- c. The permittee shall furnish information requested by the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the permit [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing State-Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23].
- d. Summary reports of 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. 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. The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**4. Inspections**

In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f), the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times. Reasonable times are defined as during all hours of operation, during normal office hours, or during an emergency:

- 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. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit.
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

**5. Emergencies/Enforcement Provisions**

- a. The permittee shall not use as 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 State-Origin Permits* incorporated by reference in 401 KAR 52:040, Section 23].
- b. 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;

**SECTION C - GENERAL CONDITIONS (CONTINUED)**

- (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 working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- c. Emergency provisions listed in General Condition 5.b are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(3)].
  - d. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:040, Section 22(2)].

**6. Compliance**

- a. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
  - (1) Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
  - (2) All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non-routine maintenance performed on each control device.
- b. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - (1) Identification of the term or condition;
  - (2) Compliance status of each term or condition of the permit;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The method used for determining the compliance status for the source, currently and over the reporting period, and
  - (5) 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

## **SECTION C - GENERAL CONDITIONS (CONTINUED)**

compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

(6) The certification shall be submitted by January 30th of each year. Annual compliance certifications shall be sent to the Regional Office listed on the front of this permit

c. Permit Shield - 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 all:

(1) Applicable requirements that are included and specifically identified in this permit; or

(2) Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11].

### **7. Construction Requirements:**

No construction authorized by Permit S-55-123.

**SECTION D - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, 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.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. 12 electric furnaces	N/A
2. Three air make-up units, 12.9 MMBtu/hr, total	401 KAR 63:020
3. 15 space heaters, 1.1 MMBtu/hr, total	401 KAR 63:020
4. 20 enclosed grit blasters equipped with integral dust collectors	401 KAR 59:010
5. 5 electric vacuum furnaces	N/A
6. Three HCl acid stripping tanks controlled by a scrubber 2500 gallon sump capacity	401 KAR 63:020