

**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**

Proposed

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

Permittee Name: Accuride Corporation
Mailing Address: 2315 Adams Lane
Henderson, KY 42420

Source Name: Accuride Corporation
Mailing Address: 2315 Adams Lane
Henderson, KY 42420

Source Location: Same as above

Permit: V-25-007
Agency Interest: 1786
Activity: APE20240001
Review Type: Title V, Operating
Source ID: 21-101-00030

Regional Office: Owensboro Regional Office
3032 Alvey Park Dr. W., Suite 700
Owensboro, KY 42303
(270) 687-7304

County: Henderson

Application
Complete Date: October 3, 2024
Issuance Date: June 5, 2025
Expiration Date: June 5, 2030

Rick Shewekah

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

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Permit	Permit Type	Activity#	Complete Date	Issuance Date	Summary of Action
V-25-007	Renewal	APE20240001	10/3/2024	6/5/2025	Permit Renewal

SECTION A - PERMIT AUTHORIZATION

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

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

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

Definitions: *The following definitions apply to all abbreviations and variables used in this permit:*

CO	– Carbon monoxide
EP	– Emission Point
gal	– Gallon(s)
HAP	– Hazardous Air Pollutant
hr	– Hour
NO _x	– Nitrogen Oxides
PM	– Particulate Matter
PM ₁₀	– Particulate Matter equal to or smaller than 10 micrometers
SO ₂	– Sulfur dioxide
MMBtu	– Million Btu (British thermal units)
MMcf	– Million cubic feet
U.S. EPA	– United States Environmental Protection Agency
VOCs	– Volatile Organic Compounds

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

Painting Line 449

EP 24 (449) Gray Electrocoat Dip Tank – 449, Low VOC coatings

Description:

Tank capacity: 17,500 gal
Throughput Capacity: 540 pieces per hour
Construction Commenced: 1982
Control Equipment: None

EP 30 (449) Pretreatment burner #1A – 449

Description:

Rated Capacity: 5 MMBtu/hour (Indirect fired unit)
Fuel: Natural gas
Construction Commenced: 1982
Control Equipment: None

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchangers. This rule applies to EP 30 (449) of line Painting Line 449, only.

401 KAR 63:002, Section 2(4)(rrr). 40 C.F.R. 63.3880 through 63.3981, Tables 1 to 4, and Appendix A (Subpart MMMM), National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.

1. Operating Limitations:

- a. For any coating operation(s) on which the permittee uses the compliant material option or the emission rate without add-on controls option, the permittee is not required to meet any operating limits. [40 CFR 63.3892(a)]

Compliance Demonstration Method:

Refer to **4. Specific Monitoring Requirements**, **5. Specific Recordkeeping Requirements** and **6. Specific Reporting Requirements**.

- b. For EP 30, 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]
 - i. The permittee shall comply with 401 KAR 50:055, Section 2(5); [401 KAR 59:015, Section 7(1)(a)]
 - ii. 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)]
 - iii. 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)]

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

- iv. 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)]
- v. Startups and shutdowns shall be conducted according to either: [401 KAR 59:015, Section 7(1)(e)]
 - 1) The manufacturer's recommended procedures; or [401 KAR 59:015, Section 7(1)(e)1.]
 - 2) 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:

Compliance shall be demonstrated according to **5. Specific Recordkeeping Requirements (e).**

2. Emission Limitations:

- a. For EP 30, the permittee shall not cause emissions of particulate matter in excess of 0.37 lb/MMBtu actual heat input. [401 KAR 59:015, Section 4(1)(c)]
- b. For EP 30, 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. For EP 30, the permittee shall not cause emissions of gases that contain sulfur dioxide in excess of 1.4 lbs/MMBtu actual heat input. [401 KAR 59:015 Section 5(c)(2)]

Compliance Demonstration Method:

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

- d. The permittee shall limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period. [40 CFR 63.3890(b)(1)]
- e. Any coating operation(s) for which the permittee uses the compliant material option or the emission rate without add-on controls option, as specified in 40 CFR 63.3891(a) and (b), must be in compliance with the applicable emission limit in 40 CFR 63.3890 at all times. [40 CFR 63.3900(a)(1)]
- f. The permittee must be in compliance with the emission limitations in 40 CFR 63, Subpart MMMM as specified in 40 CFR 63.3900(a)(1). [40 CFR 63.3900]

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

- i) To demonstrate continuous compliance with the applicable emission limit in 40 CFR 63.3890, the organic HAP emission rate for each compliance period, determined according to the procedure in 40 CFR 63.3961, must be less than or equal to the applicable emission limit in 40 CFR 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3960 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations in 40 CFR 63.3961 on a monthly basis using data from the previous 12 months of operation. [40 CFR 63.3963(a)]
- ii) Refer to **4. Specific Monitoring Requirements**, **5. Specific Recordkeeping Requirements** and **6. Specific Reporting Requirements**.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly natural gas combusted in the pretreatment burner in MMscf (EP 30). If the permittee elects not to install a fuel metering device to continuously monitor the amount of natural gas fed to each emission point, the permittee may use a combined meter for multiple emission points, as long as the natural gas apportioned to all emission points sums to 100% of the natural gas used. [401 KAR 52:020, Section 10]
- b. The permittee shall monitor the monthly amount of coating, solvent and cleaning solvent used by operation of the Electrocoat Dip Tank (EP 24). [401 KAR 52:020, Section 10]
- c. The permittee shall monitor the monthly number of parts (wheels) processed through the Electrocoat Dip Tank (EP 24). [401 KAR 52:020, Section 10]
- d. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain records of the monthly amount and type of fuel combusted in the pretreatment burners (EP 30) [401 KAR 52:020, Section 10]
- b. The permittee shall keep records of the monthly number of parts (wheels) processed through the Electrocoat Dip Tank (EP 24). [401 KAR 52:020, Section 10]
- c. The following records of the data and information, as specified in 40 CFR 63.3930, must be collected and kept. Failure to collect and keep these records is a deviation from the applicable standard. [40 CFR 63.3930]

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

- i. A copy of each notification and report submitted to comply with 40 CFR 63, Subpart Mmmm, and the documentation supporting each notification and report. [40 CFR 63.3930(a)]
- ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report must be kept. If information provided by the manufacturer or supplier of the material that was based on testing was used, the summary sheet of results provided by the manufacturer or supplier must be kept. It is not required to obtain the test report or other supporting documentation from the manufacturer or supplier. [40 CFR 63.3930(b)]
- iii. For each compliance period, the records specified in 40 CFR 63.3930(c)(1) through (4). [40 CFR 63.3930(c)]
 - 1) A record of the coating operations on which each compliance option was used and the time periods (beginning and ending dates and times) for each option used. [40 CFR 63.3930(c)(1)]
 - 2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941. [40 CFR 63.3930(c)(2)]
 - 3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951. [40 CFR 63.3930(c)(3)]
- iv. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. [40 CFR 63.3930(d)]
- v. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight. [40 CFR 63.3930(e)]
- vi. A record of the volume fraction of coating solids for each coating used during each compliance period. [40 CFR 63.3930(f)]
- vii. If either the emission rate without add-on controls or the emission rate with add-on controls compliance option is used, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period. [40 CFR 63.3930(g)]
- viii. If an allowance is used in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), the permittee must keep records of the information specified 40 CFR 63.3930(h)(1) through (3). [40 CFR 63.3930(h)]
 - 1) The name and address of each TSDF to which the permittee sent waste materials for which an allowance is used in Equation 1 of 40 CFR 63.3951; a statement of

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- which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment. [40 CFR 63.3930(h)(1)]
- 2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which the allowance for these materials was used in Equation 1 of 40 CFR 63.3951. [40 CFR 63.3930(h)(2)]
 - 3) The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment. [40 CFR 63.3930(h)(3)]
- ix. Records of the date, time, and duration of each deviation must be kept. [40 CFR 63.3930(j)]
- d. 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 52:020, Section 10]
 - e. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

6. Specific Reporting Requirements:

- a. The permittee shall include the monthly coating, solvent and cleaning solution usage in each semi-annual report. [401 KAR 52:020, Section 10]
- b. The permittee shall submit the calculated average VOC content of the coatings used and documentation from the manufacturer which indicates VOC content of each coating. [401 KAR 52:020, Section 10]
- c. The permittee must submit semiannual compliance reports for each affected source according to the requirements of 40 CFR 63.3920(a), (1) through (7). The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in 40 CFR 63.3920(a)(2). [40 CFR 63.3920(a)]
 - i. Unless the Administrator has approved or agreed to a different schedule for submission of reports under 40 CFR 63.10(a), the permittee must prepare and submit each semiannual compliance report according to the dates specified in 40 CFR 63.3920(a)(1), (i) through (iv). Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. [40 CFR 63.3920(a)(1)]
 - 1) The first semiannual compliance report must cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in 40 CFR 63.3940, 40 CFR 63.3950, or 40 CFR 63.3960 that applies to the affected source and ends on June 30 or December 31, whichever date is the first date following the end of the initial compliance period. [40 CFR 63.3920(a)(1)(i)]

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- 2) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. [40 CFR 63.3920(a)(1)(ii)]
- 3) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. [40 CFR 63.3920(a)(1)(iii)]
- 4) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the Division has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), the first and subsequent compliance reports may be submitted according to the dates the Division has established instead of according to the date specified in 40 CFR 63.3920(a)(1)(iii). [40 CFR 63.3920(a)(1)(iv)]
- ii. The permittee shall report all deviations as defined in 40 CFR 63, Subpart M, in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to 40 CFR 63.3920 along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the semiannual compliance report includes all required information concerning deviations from any emission limitation in 40 CFR 63, Subpart M, its submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the Division. [40 CFR 63.3920(a)(2)]
- iii. The semiannual compliance report must contain the information specified in 40 CFR 63.3920(a), (3)(i) through (vii), and the information specified in 40 CFR 63.3920(a)(4) through (7), and (c)(1), that is applicable to the affected source. [40 CFR 63.3920(a)(3)]
 - 1) Company name and address. [40 CFR 63.3920(a)(3)(i)]
 - 2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. [40 CFR 63.3920(a)(3)(ii)]
 - 3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. [40 CFR 63.3920(a)(3)(iii)]
 - 4) Identification of the compliance option or options specified in 40 CFR 63.3891 that used on each coating operation during the reporting period. If the permittee switched between compliance options during the reporting period, the beginning and ending dates for each option used must be reported. [40 CFR 63.3920(a)(3)(iv)]
 - 5) If the permittee used the emission rate without add-on controls or the emission rate with add-on controls compliance option (40 CFR 63.3891(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period. [40 CFR 63.3920(a)(3)(v)]
- iv. If there were no deviations from the emission limitations in 40 CFR 63.3890, 63.3892, and 63.3893 that apply, the semiannual compliance report must include a statement that

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- there were no deviations from the emission limitations during the reporting period. [40 CFR 63.3920(a)(4)]
- v. Compliant material option. If the compliant material option was used and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report must contain the information in 40 CFR 63.3920(a)(5)(i) through (iv). [40 CFR 63.3920(a)(5)]
 - 1) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used. [40 CFR 63.3920(a)(5)(i)]
 - 2) The calculation of the organic HAP content (using Equation 2 of 40 CFR 63.3941) for each coating identified in 40 CFR 63.3920(a)(5)(i). The permittee does not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports). [40 CFR 63.3920(a)(5)(ii)]
 - 3) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified 40 CFR 63.3920(a)(5)(i). The permittee does not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports). [40 CFR 63.3920(a)(5)(iii)]
 - 4) A statement of the cause of each deviation. [40 CFR 63.3920(a)(5)(iv)]
 - vi. If the emission rate without add-on controls option was used and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report must contain the information in 40 CFR 63.3920(a)(6)(i) through (iii). [40 CFR 63.3920(a)(6)]
 - 1) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in section 40 CFR 63.3890. [40 CFR 63.3920(a)(6)(i)]
 - 2) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of section 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to section 40 CFR 63.3951(e)(4). The permittee does not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports). [40 CFR 63.3920(a)(6)(ii)]
- d. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

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New Indirect Heat Exchangers

EP 52 Boiler 1

Description:

Hurst Boiler

Capacity: 20.8 MMBtu/hr (Indirect fired unit)

Construction Commenced: 2021

Control Equipment: None

Primary Fuel: Natural gas

Secondary Fuel: No. 2 Fuel Oil, 0.5% sulfur content, during periods of natural gas curtailment

EP 53 Boiler 2

Description:

Hurst Boiler

Capacity: 20.251 MMBtu/hr (Indirect fired unit)

Construction Commenced: 2020

Control Equipment: None

Primary Fuel: Natural gas

Secondary Fuel: No. 2 Fuel Oil, 0.5% sulfur content, during periods of natural gas curtailment

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchangers

401 KAR 63:002, Section 2(4)(iii). **40 C.F.R. 63.7480 through 63.7532, Tables 1 to 13, (Subpart DDDDD),** *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters*

1. Operating Limitations:

- a. The permittee shall use natural gas as a fuel source unless, as per 40 CFR 63.7545(f), natural gas curtailment is declared. Refer to **6. Specific Reporting Requirements.**
- b. The permittee shall meet the requirements in 40 CFR 63.7500(a)(1) through (3), except as provided in 40 CFR 63.7500(b) through (e). The permittee shall meet these requirements at all times the affected unit is operating, except as provided in 40 CFR 63.7500(f). [40 CFR 63.7500(a)]
 - i. The permittee shall meet each work practice standard in Table 3 to 40 CFR 63, Subpart DDDDD that applies to the boiler or process heater, i.e. Table 3, item 4 (41 to 4e), for each boiler or process heater. [40 CFR 63.7500(a)(1)]
 - ii. At all times, the permittee shall operate and maintain any affected source (as defined in 40 CFR 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records,

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and inspection of the source. [40 CFR 63.7500(a)(3)]

- c. The standards of 40 CFR 63.75000 apply at all times the affected unit is operating, except during periods of startup and shutdown during which time a permittee shall comply with items 5 and 6 of Table 3, as applicable, in 40 CFR 63, Subpart DDDDD. [40 CFR 63.7500(f)]
- d. The permittee shall be in compliance with the work practice standards and operating limits in 40 CFR 63, Subpart DDDDD. The operating limits apply at all times the affected unit is operating, except for the periods noted in 40 CFR 63.7500(f). [40 CFR 63.7505(a)]
- e. After demonstration of initial compliance with the applicable work practice standards in Table 3 in 40 CFR 63, Subpart DDDDD: The permittee is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7515(d). [40 CFR 63.7510(g)]
- f. The permittee shall conduct an annual performance tune-up according to 40 CFR 63.7540(a)(10). Each annual tune-up specified in 40 CFR 63.7540(a)(10) shall be no more than 13 months after the previous tune-up. [40 CFR 63.7515(d)]
- g. The permittee must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540. [40 CFR 63.7540(a)(10)]
 - i. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (The permittee may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment. [40 CFR 63.7540(a)(10)(i)]
 - ii. Inspect the flame pattern, as applicable, and adjust the burner. Each annual tune-up specified in 40 CFR 63.7540(a)(10) must be no more than 13 months after the previous tune-ups necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. [40 CFR 63.7540(a)(10)(ii)]
 - iii. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (The permittee may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection. [40 CFR 63.7540(a)(10)(iii)]
 - iv. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject. [40 CFR 63.7540(a)(10)(iv)]
 - v. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before

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and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and [40 CFR 63.7540(a)(10)(v)]

- vi. Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of 40 CFR 63.7540. [40 CFR 63.7540(a)(10)(vi)]
 - 1) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler [40 CFR 63.7540 (a)(10)(vi)(A)]; [40 CFR 63.7540(a)(10)(vi)(A)]
 - 2) A description of any corrective actions taken as a part of the tune-up [40 CFR 63.7540 (a)(10)(vi)(B)]; and
 - 3) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit. [40 CFR 63.7540(a)(10)(vi)(C)]
- h. The permittee may delay the burner inspection specified in paragraph 40 CFR 63.7540 (a)(10)(i) until the next scheduled or unscheduled unit shutdown, but must inspect each burner at least once every 72 months. [40 CFR 63.7540(a)(12)]
- i. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of start-up. [40 CFR 63.7540(a)(13)]

2. Emission Limitations:

- a. When burning natural gas or No. 2 Fuel Oil, for EPs 53 and 52, the permittee shall not cause emissions of particulate matter in excess of: [401 KAR 59:015, Section 4]
 - i. 0.38 lb/MMBtu actual heat input for EP 53 (Boiler 1);[401 KAR 59:015, Section 4(1)(c)]
 - ii. 0.38 lb/MMBtu actual heat input for EP 52 (Boiler 2) [401 KAR 59:015, Section 4(1)(c)]
- 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. When burning natural gas or No. 2 Fuel Oil, for EPs 53 and 52, the permittee shall not cause emissions of gases that contain sulfur dioxide in excess of: [401 KAR 59:015 Section 5]

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

- i. 1.5 lbs/MMBtu actual heat input for EP 53 (Boiler 1); [401 KAR 59:015 Section 5(1)(c)]
- ii. 1.5 lbs/MMBtu actual heat input for EP 52 (Boiler 2). [401 KAR 59:015 Section 5(1)(c)]

Compliance Demonstration Method:

Compliance with the PM, opacity and SO₂ emission limits is assumed when burning natural gas. Refer to **4. Specific Monitoring Requirements**, **5. Specific Recordkeeping Requirements** and **6. Specific Reporting Requirements** for compliance demonstration requirements when burning No. 2 Fuel Oil.

- d. The permittee must meet each work practice standard in Table 3 to 40 CFR 63, Subpart DDDDD that applies to the boiler or process heater, i.e. Table 3, item 3. for each boiler or process heater. [40 CFR 63.7500(a)(1)]

Compliance Demonstration Method:

Conduct a tune-up of the boiler or process heater annually, and keep records, as specified in 40 CFR 63.7540.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly amount and type of fuel (natural gas and/or No. 2 Fuel Oil) burned in each boiler. [401 KAR 52:020, Section 10]
- b. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

5. Specific Recordkeeping Requirements:

- a. The permittee shall keep records of the monthly amount and type of fuel burned in each boiler. [401 KAR 52:020, Section 10]
- b. The permittee shall keep records according to 40 CFR 63.7555(a)(1) and (2). [40 CFR 63.7555(a)]
 - i. A copy of each notification and report submitted to comply with 40 CFR 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). [40 CFR 63.7555(a)(1)]
 - ii. Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii). [40 CFR 63.7555(a)(2)]
 - iii. For a unit designed to burn gas 1 subcategory subject to 40 CFR 63, Subpart DDDDD and the permittee uses an alternative fuel other than natural gas, refinery gas, gaseous

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

- fuel subject to another subpart under part 63, other gas 1 fuel, or gaseous fuel subject to another subpart of 40 CFR 63 or part 60, 61, or 65, the permittee must keep records of the total hours per calendar year that alternative fuel is burned and the total hours per calendar year that the unit operated during periods of gas curtailment or gas supply emergencies. [40 CFR 63.7555(h)]
- c. Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). [40 CFR 63.7560(a)]
 - d. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.7560(b)]
 - e. The permittee must keep each record on site, or they must be accessible from onsite (for example, through a computer network), 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). The permittee can keep the records off site for the remaining 3 years. [40 CFR 63.7560(c)]
 - f. The permittee must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown. [401 KAR 52:020, Section 10]
 - g. The permittee must maintain records of the type(s) and amount(s) of fuels used during each startup and shutdown. [401 KAR 52:020, Section 10]
 - h. The permittee shall keep records of the annual tune-ups performed for each boiler. [401 KAR 52:020, Section 10]
 - i. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

6. Specific Reporting Requirements:

- a. The permittee must submit to the Administrator all of the notifications in 40 CFRs 63.7(b) and (c); 63.8(e), (f)(4) and (6); and 63.9(b) through (h) that apply, by the dates specified. [40 CFR 63.7545(a)]
- b. If the permittee intends to use a fuel other than natural gas, refinery gas, gaseous fuel subject to another subpart of part 63, part 60, 61, or 65, or other gas 1 fuel to fire the affected unit during a period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575, the permittee must submit a Notification of Alternative Fuel Use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575. The notification must include the information specified in paragraphs (i) through (v), below. [40 CFR 63.7545(f)]
 - i. Company name and address. [40 CFR 63.7545(f)(1)]
 - ii. Identification of the affected unit. [40 CFR 63.7545(f)(2)]

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

- iii. Reason the permittee is unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began. [40 CFR 63.7545(f)(3)]
 - iv. Type of alternative fuel the permittee intends to use. [40 CFR 63.7545(f)(4)]
 - v. Dates when the alternative fuel use is expected to begin and end. [40 CFR 63.7545(f)(5)]
- c. If the permittee has switched fuels or made a physical change to the boiler or process heater and the fuel switch or physical change resulted in the applicability of a different subcategory, the permittee must provide notice of the date upon which the permittee switched fuels or made the physical change within 30 days of the switch/change. The notification must identify: [40 CFR 63.7545(h)]
- i. The name of the owner or operator of the affected source, as defined in 40 CFR 63.7490, the location of the source, the boiler(s) and process heater(s) that have switched fuels, were physically changed, and the date of the notice. [40 CFR 63.7545(h)(1)]
 - ii. The currently applicable subcategory under 40 CFR 63, Subpart DDDDD. [40 CFR 63.7545(h)(2)]
 - iii. The date upon which the fuel switch or physical change occurred. [40 CFR 63.7545(h)(3)]
- d. For units that are subject only to a requirement to conduct subsequent annual tune-ups according to 40 CFR 63.7540(a)(10), and not subject to emission limits or Table 4 operating limits, the permittee may submit only an annual compliance report as specified in 40 CFR 63.7550(b)(1) through (4), instead of a semi-annual compliance report. [40 CFR 7550(b)]
- i. The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1 year, if submitting an annual compliance report) after the compliance date that is specified for the permittee's source in 40 CFR 63.7495. [40 CFR 7550(b)(1)]
 - ii. The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual compliance report must be postmarked or submitted no later than January 31. [40 CFR 7550(b)(2)]
 - iii. Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual compliance reports must cover the applicable 1-year period from January 1 to December 31. [40 CFR 7550(b)(3)]
 - iv. Each subsequent compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual compliance reports must be postmarked or submitted no later than January 31. [40 CFR 7550(b)(4)]

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

- e. For an affected source that is subject to the tune-up requirements, a permittee must submit a compliance report with the information in 40 CFR 63.7550(c)(5)(i) through (iv), (xiv), and (xvii) of 40 CFR 63, Subpart DDDDD. [40 CFR 63.7550(c)(1)]
 - i. Company and Facility name and address. [40 CFR 63.7550(c)(5)(i)]
 - ii. Process unit information, emissions limitations, and operating parameter limitations. [40 CFR 63.7550(c)(5)(ii)]
 - iii. Date of report and beginning and ending dates of the reporting period. [40 CFR 63.7550(c)(5)(iii)]
 - iv. The total operating time during the reporting period. [40 CFR 63.7550(c)(5)(iv)]
 - v. Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown. [40 CFR 63.7550(c)(5)(xiv)]
 - vi. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. [40 CFR 63.7550(c)(5)(xvii)]
- f. The permittee shall submit the fuel analysis which indicates the sulfur content of the No 2 Fuel Oil, if any is used, in the semi-annual report. [401 KAR 52:020, Section 10]
- g. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

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

Existing Emergency Generators

EP 40-1 Boiler Room Emergency Diesel Generator

Description:

Model: Allis Chalmers – 6 cylinder
Displacement: 7 liter displacement
Estimated Construction: 1982
Engine Rating: 320 HP
Controls: None

EP 40-2 Gray Paint Line Emergency Diesel Generator

Description:

Model: Cat D330 – 4 cylinder
Displacement: 7 liter displacement
Estimated Construction: 1982
Engine Rating: 150 HP
Controls: None

EP 40-3 Fire Pump Emergency Diesel Engine

Description:

Model: Detroit 1034 – 4 cylinder
Displacement: 3.5 liter displacement
Estimated Construction: 1982
Engine Rating: 109 HP
Controls: None

APPLICABLE REGULATIONS:

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

1. Operating Limitations:

- a. If the permittee operates or is contractually obligated to be available for more than 15 hours per calendar year for the purpose specified in 40 CFR 63.6640(f)(4)(ii), the permittee must use diesel fuel that meets the requirements in 40 CFR 1090.305 for nonroad diesel fuel. [40 CFR 63.6604(b)]
- b. The permittee must be in compliance with the emission limitations, operating limitations, and other requirements in 40 CFR 63, Subpart ZZZZ, at all times. [40 CFR 63.6605(a)]
- c. At all times the permittee must 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 this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will

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

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 63.6605(b)]

- d. The permittee must operate and maintain the engine according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e)(2)]
- e. The permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]
- f. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Table 2c to 40 CFR 63, Subpart ZZZZ apply. [40 CFR 63.6625(h)]
- g. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2c to 40 CFR 63, Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c of 40 CFR 63, Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee must change the oil within 2 business days or before commencing operation, whichever is later. The permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63.6625(i)]
- h. The permittee must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (3). In order for the engine to be considered an emergency stationary RICE under 40 CFR 63, Subpart ZZZZ, 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 63.6640(f)(1) through (3), is prohibited. If the permittee does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (3), the engine will not be considered an emergency engine under 40 CFR 63, Subpart ZZZZ and must meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]
- i. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 63.6640(f)(1)]

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

- ii. The permittee may operate the engine for the purpose specified in the 40 CFR 63.6640(f)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 63.6640(f)(3) counts as part of the 100 hours per calendar year allowed by 40 CFR 63.6640(f)(2). [40 CFR 63.6640(f)(2)]
 - 1) Emergency stationary RICE 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 permittee 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 permittee maintains records indicating that federal, state or local standards require maintenance and testing of emergency reciprocating internal combustion engines beyond 100 hours per calendar year. [40 CFR 63.6640(f)(2)(i)]
- iii. Emergency stationary RICE 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 63.6640(f)(2). 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 supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 63.6640(f)(3)]
- i. For each Emergency stationary CI RICE, the permittee must meet the following requirements except during periods of startup: [40 CFR 63, Subpart ZZZZ, Table 2c(1)]
 - i. Change the oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first. [40 CFR 63, Subpart ZZZZ, Table 2c(1)(a)]
 - ii. Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first. [40 CFR 63, Subpart ZZZZ, Table 2c(1)(b)]
 - iii. Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace them as necessary. [40 CFR 63, Subpart ZZZZ, Table 2c(1)(c)]
- j. During periods of startup, the permittee must Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63, Subpart ZZZZ, Table 2c(1)]
- k. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in 40 CFR 63, Subpart ZZZZ, Table 2c, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice

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

on the schedule required and the federal, state or local law under which the risk was deemed unacceptable. [40 CFR 63, Subpart ZZZZ, Table 2c, footnote 1]

- l. The permittee has the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement in Table 2c of 40 CFR 63, Subpart ZZZZ. [40 CFR 63, Subpart ZZZZ, Table 2c, footnote 2]
- m. The permittee can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices. [40 CFR 63, Subpart ZZZZ, Table 2c, footnote 3]

2. Emission Limitations:

None

3. Testing Requirements:

Pursuant to 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet.

4. Specific Monitoring Requirements:

- a. If the permittee must comply with emission and operating limitations, the permittee must monitor and collect data according to 40 CFR 63.6635. [40 CFR 63.6635(a)]
- b. Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the permittee must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. [40 CFR 63.6635(b)]
- c. The permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The permittee must, however, use all the valid data collected during all other periods. [40 CFR 63.6635(c)]
- d. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

5. Specific Recordkeeping Requirements:

- a. The permittee must keep the records described in 40 CFR 63.6655(a)(1) through (5). [40 CFR 63.6655(a)]
 - i. A copy of each notification and report that the permittee submitted to comply with 40 CFR 63, Subpart ZZZZ. [40 CFR 63.6655(a)(1)]
 - ii Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(2)]
 - iii Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii), [40 CFR 63.6655(a)(3)]

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

- iv. Records of all required maintenance performed on the air pollution control and monitoring equipment, and [40 CFR 63.6655(a)(4)]
- v. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(5)]
- b. The permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE, and after-treatment control device (if any), according to the permittee's own maintenance plan for the stationary RICE. [40 CFR 63.6655(e)(2)]
- c. The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must 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. If the engine is used for the purpose specified in 40 CFR 63.6640(f)(4)(ii), the permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. [40 CFR 63.6655(f)]
- d. Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). [40 CFR 63.6660(a)]
- e. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.6660(b)]
- f. The permittee must keep each record readily accessible in hard copy or electronic for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). [40 CFR 63.6660(c)]
- g. The permittee shall keep records of the monthly amount of fuel burned in each engine. [401 KAR 52:020, Section 10]
- h. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

6. Specific Reporting Requirements:

- a. The permittee must report each instance in which the permittee did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR 63, Subpart ZZZZ, that applies. These instances are deviations from the emission and operating limitations in 40 CFR 63, Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR 63.6650. [40 CFR 63.6640(b)]
- b. The permittee must submit all of the notifications in 40 CFR 63.7(b) and (c), 40 CFR 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to the permittee by

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

the dates specified. [40 CFR 63.6645(a)]

- c. The permittee must submit each report in Table 7 to 40 CFR 63, Subpart ZZZZ that applies. [40 CFR 63.6650(a)]
- d. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

SECTION B - EMISSION UNITS, EMISSION POINTS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EPs 44 and 45, Burn-Off Ovens (B-01 and B-02)**

Description: Two identical, natural-gas burn-off ovens used to remove small amounts of old coating off of wheels to be refurbished.

Model: Jackson Oven Batch Burn-Off Ovens, Model 8706

Capacity: 100,000 wheels per year, total

Fuel: Natural Gas, 0.79 MMBtu/hr, each

Construction Commenced: March, 2017

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:

Control equipment (afterburners) shall be continuously operated when the burn-off ovens are in operation in order to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and good air pollution control practices. [401 KAR 52:020, Section 10]

Compliance Demonstration Method:

Refer to **5. Specific Recordkeeping Requirements.**

2. Emission Limitations:

- a. The permittee shall not cause, suffer, allow, or permit any continuous emission of particulate matter 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** and **5. Specific Recordkeeping Requirements.**

- b. 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 following: [401 KAR 59:010, Section 3(2)]
 - i. For process weight rates of 0.50 ton/hr or less: 2.34 lb/hr
 - ii. For process weight rates up to 30 tons/hr: $E_{PM} = 3.59P^{0.62}$

Where:
 E_{PM} = The rate of emission in pounds/hour;
 P = The process weight rate in tons/hour.

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

Compliance with the particulate emission standard is assumed when burning natural gas and when meeting the requirement in **1. Operating Limitations**.

- c. The permittee shall not allow the emission units listed above 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. [401 KAR 63:020, Section 3]

Compliance Demonstration Method:

The Cabinet has determined that the source is in compliance with 401 KAR 63:020 based the use of natural gas fuel and continual compliance with the requirements of **1. Operating Limitations**, during operation of the units.

3. Testing Requirements:

Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor the monthly process rate of wheels through each burn-off oven. [401 KAR 52:020, Section 10]
- b. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack 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 52:020, Section 10]
- c. The permittee shall install, calibrate and maintain a device that continuously monitors the temperature within the afterburner while wheels are being processed. This may be accomplished through an automatic recording device. The burn-off oven systems shall be equipped with alarms to indicate when there is a failure of the afterburner to maintain minimum temperature limit when wheels are being processed in the ovens. [401 KAR 52:020, Section 10]
- d. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain records of the monthly process rate of wheels treated through each of the burn-off ovens. [401 KAR 52:020, Section 10]
- b. The permittee shall maintain records of the temperature recorded within the afterburner, on each burn-off oven, while wheels are processed. Records of any instances of failing to

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

meet the temperature standard within the afterburner during oven operation, and corrective actions taken, shall also be maintained. [401 KAR 52:020, Section 10]

- c. A log of the qualitative visual observations made as specified in **4. Specific Monitoring Requirements** (b) 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 52:020, Section 10]
- d. Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

6. Specific Reporting Requirements:

Refer to permit SECTION F – MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS.

7. Specific Control Equipment Operating Conditions:

- a. The afterburner temperature shall not be less than 1,400 °F while processing wheels. [401 KAR 52:020, Section 10]

Compliance Demonstration Method:

Refer to **4. Specific Monitoring Requirements**, and **5. Specific Recordkeeping Requirements**.

- b. Refer to permit SECTION E – SOURCE CONTROL EQUIPMENT REQUIREMENTS.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to an opacity standard shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspection, evaluation, and any corrective action shall be recorded in a log.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Two repair hand-held wire welders (Line 424, 429)	401 KAR 59:010, 401 KAR 63:020
2. One natural gas fired air make-up unit rated at 2.2 MMBtu/hr	401 KAR 63:020
3. Thirteen (13) natural gas fired space heaters each rated less than 1 MMBtu/hr (12.58 MMBtu/hr, total)	401 KAR 63:020
4. Brushing of metal parts after the welding operations on Lines 22 (471) and 26 (474), exhausting to a cartridge filter	401 KAR 59:010
5. EP 34 (447) one powder coat cure oven Rated at 3.8 MMBtu/hr	401 KAR 59:010, 401 KAR 63:020
6. EP 35 (447) prewash drying oven Rated at 3.8 MMBtu/hr	401 KAR 59:010, 401 KAR 63:020
7. EP 38, No. 2 fuel oil storage tank, 12000 gal	none
8. EP 39, hydraulic oil storage tank	none
9. Wastewater treatment facility	none
10. EP 48, gasoline storage tank, 307 gal	none
11. EP 29 (449) gray electro coat dip tank curing oven	401 KAR 59:010, 401 KAR 63:020
12. EP 22(471), wire welder – E70T-1 electrode	401 KAR 59:010, 401 KAR 63:020
13. EP 26(474), wire welder – E70T-1 electrode	401 KAR 59:010, 401 KAR 63:020
14. EP 10 (727), shot blaster	401 KAR 59:010

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

<u>Description</u>	<u>Generally Applicable Regulation</u>
15. EP 42 (441) powder coating booth (2013)	401 KAR 59:010
16. EP 43 (442) powder coat curing oven, 7.7 MMBtu/hr (2013)	401 KAR 59:010 401 KAR 63:020
17. EP 37, kerosene storage tank, 320 gal	none
18. EP 41, two gasoline-powered welders	none
19. EP 49, Makeup Air Unit (Burn-off Oven Bldg.), 0.4 MMBtu/hr	401 KAR 63:020
20. EP 50, CO ₂ Storage Tank	none
21. EP 51, Propane Storage Tank	none

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC, SO₂, PM, opacity and HAP 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.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

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

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five (5) years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020, Section 3(1)h, the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020, Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported

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 Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, shall be defined as follows:
 - a. For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
 - b. For emissions of any regulated air pollutant, excluding those listed in F.8.a., that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
 - c. All deviations from permit requirements, including those previously reported, shall be included in the semiannual report required by F.6.
9. Pursuant to 401 KAR 52:020, Title V permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - 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

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

permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

- f. The certification shall be submitted by January 30th of each year. Annual compliance certifications shall be sent to the following addresses:

Division for Air Quality	U.S. EPA Region 4
Owensboro Regional Office	Air Enforcement Branch
3032 Alvey Park Dr. W	Atlanta Federal Center
STE 700	61 Forsyth St. SW
Owensboro, KY 42303	Atlanta, GA 30303-8960

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

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

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

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

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

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

2. Permit Expiration and Reapplication Requirements

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

3. Permit Revisions

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

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

No construction authorized by permit V-25-007.

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

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

7. Emergency Provisions

- a. Pursuant to 401 KAR 52:020, Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - (1) An emergency occurred and the permittee can identify the cause of the emergency;

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

8. Ozone Depleting Substances

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

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

None

SECTION I - COMPLIANCE SCHEDULE

None