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

Draft

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Permittee Name:	**Crown Cork and Seal Company (USA), Inc.**
Mailing Address:	**14025 Riveredge Drive** **Tampa, FL 33637**
Source Name:	**Crown Cork and Seal Company (USA), Inc. – Bowling Green, KY Facility**
Mailing Address:	**1291 Prosperity Lane** **Bowling Green, KY 42101**
Source Location:	**1291 Prosperity Lane**
Permit ID:	**F-25-003**
Agency Interest #:	**165233**
Activity ID:	**APE20240001**
Review Type:	**Conditional Major, Operating**
Source ID:	**21-227-00207**
Regional Office:	**Bowling Green Regional Office** **2642 Russellville Road** **Bowling Green, KY 42101** **(270) 746-7475**
County:	**Warren**
Application Complete Date:	**November 25, 2024**
Issuance Date:	
Expiration Date:	

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
F-25-003	Renewal	APE20240001	11/25/2024		Renewal 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 52:030, Federally-enforceable permits for non-major sources.

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

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

Emission Unit: 1A Can Production Line 1
Emission Unit: 2A Can Production Line 2

Description:
Two identical production lines each containing the following equipment:

1. One (1) Minster DACH 165 cupping press
2. Nine (9) CMB Engineering bodymakers/trimmers
3. One (1) 3,000 cans per minute (cpm) can washer/dryer
4. One (1) UVIO bottom rim coater
5. Two (2) Rutherford decorators (2,200 cpm max per decorator) (Ink and Outside Roll Coating Varnish)
6. Two (2) 2,400 cpm pin ovens
7. Nine (9) CMB Engineering lacquer spray machines (LSMs) (Inside spray coating)
8. One (1) 3,000 cpm internal bake oven (IBO)
9. One (1) CMB Engineering necking system
10. One (1) Busse palletizer
11. One (1) Busse sorting system

Additional ancillary equipment to support can production lines:

1. Air compressors
2. Vacuum pumps
3. Coolant filter system
4. Two (2) scrap balers
5. One (1) mist control system
6. Process chilled water system
7. Process water heater
8. One (1) wastewater treatment system

Maximum production capacity: 2,800 cans per minute per line
Construction Date: May 2020

Control Equipment:
Cartridge Filters/Baghouse for PM, 99.9% control efficiency
Regenerative Thermal Oxidizer (RTO) for VOC, natural gas fuel input: 11.2 MMBtu/hr
Two (2) Rotary Concentrators for VOC, 98.1% DRE with two concentrators operating, 97.1% DRE with one concentrator operating (CMN20220001 test 8/23/2022).
RTO capture efficiency 100% for PTE portion of line, 95.9% for non-PTE portions of line (decorators and outside varnish application)

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

401 KAR 60:005, Section 2(2)(ddd) 40 C.F.R. 60.490 through 60.496 (Subpart WW), Standards of Performance for the Beverage Can Surface Coating Industry.

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

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

1. **Operating Limitations:**
   a. The permittee shall operate either one or both rotary concentrators and thermal oxidizer at all times coating is applied, except as established in section **8. Alternate Operating Scenarios**. [401 KAR 52:030, Section 10]

   b. The filters and baghouses shall be operated and maintained in accordance with the manufacturer's specification and shall be in place at all times when the affected facilities are in operation. [401 KAR 52:030, Section 10]

   c. Can production is limited to 112.5 million cans per month per line. [401 KAR 52:030, Section 10]

2. **Emission Limitations:**
   a. Opacity Standard. No person shall cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity [401 KAR 59:010, Section 3(1)].

   Compliance Demonstration Method:
   See **4. Specific Monitoring Requirements (e) and 5. Specific Recordkeeping Requirements (h)**

   b. Mass emission standard. For emissions from a control device or stack 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 the quantity specified in Appendix A to 401 KAR 59:010 and summarized below: [401 KAR 59:010, Section 3(2)]

   For process weight rates $\leq$ 1000 lb/hr or less: $E = 2.34$

   Where: E = rate of particulate emissions in lb/hr, and

   Compliance Demonstration Method:
   Compliance with the mass emission limit is assumed when the filter system controlling the emissions of particulate matter is operated properly in accordance with manufacturer's specifications.

   c. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to

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

adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

Compliance Demonstration Method:
Based upon the emission rates of toxics and hazardous air pollutants determined by the Cabinet using information provided in the application and supplemental information submitted by the source, the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

d. Refer to Section D for source-wide VOC/HAP emission limits.

Limitations pursuant to NSPS Subpart WW:

e. 0.29 kilogram of VOC per litre of coating solids from each two-piece can exterior base coating operation, except clear base coat. [40 CFR 60.492(a)]

f. 0.46 kilogram of VOC per litre of coating solids from each two-piece can clear base coating operation and from each overvarnish coating operation. [40 CFR 60.492(b)]

g. 0.89 kilogram of VOC per litre of coating solids from each two-piece can inside spray coating operation. [40 CFR 60.492(c)]

Compliance Demonstration Method:
Since each individual coating used by the permittee has a VOC content equal to or less than the limit specified under 40 CFR 60.492, the affected facility is in compliance provided no VOC-solvents are added to the coating during distribution or application.

3. Testing Requirements:

a. The permittee shall conduct periodic performance tests no later than 5 years following the previous performance test to determine destruction efficiency and minimum operating temperature of the RTO and operating parameters for the rotary concentrator(s) working in tandem. The permittee shall conduct a separate test for each of the two following scenarios:
   1. Two concentrators and 1 RTO operating
   2. One concentrator and 1 RTO operating

The performance tests shall be conducted as following:

For the RTO:

1. During each performance test, the permittee must monitor and record the combustion temperature at least once every 15 minutes during each of the three test runs. The permittee must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs.
2. Use the data collected during each performance test to calculate and record the average combustion temperature maintained during the performance test. This average combustion temperature is the minimum operating limit for the permittee's thermal oxidizer.

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

For the rotary concentrator(s):

1. During each performance test, the permittee shall monitor and record the inlet temperature to the desorption/reactivation zone of the concentrator(s) at least once every 15 minutes during each of the three runs of the performance test.
2. The permittee shall use the data collected during each performance test to calculate and record the average temperature. This is the minimum operating limit for the desorption/reactivation zone inlet temperature.
3. During each performance test, the permittee shall monitor the rotational speed of the concentrator(s) at least once every 15 minutes during each of the three runs of the performance test.
4. The permittee shall use the data collected during each performance test to calculate and record the average rotational speed. This is the minimum operating limit for the rotational speed of the concentrator(s). However, the indicator range for the rotational speed may be changed if an engineering evaluation is conducted and a determination made that the change in speed will not affect compliance with the emission limit.
5. The permittee shall develop and implement an inspection and maintenance plan for the concentrator(s) following the manufacturer's recommended procedures.

4. <u>Specific Monitoring Requirements:</u>

a. The permittee shall monitor and maintain records of the number of beverage cans manufactured monthly. [401 KAR 52:030, Section 10]

b. The permittee shall monitor the time and duration when one or both concentrators are shut down. [401 KAR 52:030, Section 10]

c. The 12-month rolling total VOC and HAPs emissions shall be monitored monthly. [401 KAR 52:030, Section 10]

d. The permittee shall monitor pressure drop across the filters and baghouse once a day during the operation of the unit. Pressure drop must be within manufacturer’s specification. [401 KAR 52:030, Section 10]

e. 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 Reference Method 9. In lieu of determining the opacity using U.S. EPA Method 9, the permittee shall immediately perform a corrective action which results in no visible emissions (not including condensed water in the plume). [401 KAR 52:030, Section 10]

f. For the Permanent Total Enclosure (PTE) portion of the line: The permittee shall install, calibrate, maintain, and continuously operate a device to monitor the average facial velocity (FV) of air through all NDOs which shall be at least 3,600 m/hr (200 fpm) or the pressure drop within each PTE which shall be at least 0.007 inches H_2O to demonstrate a capture efficiency of 100%. The monitoring device shall be connected to a device(s) that

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

records the facial velocity or pressure drop via a strip chart, electronic media, or other means. [401 KAR 52:030, Section 10]

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

h. The permittee shall monitor the temperature for the desorption/reactivation zone inlet temperature of the rotary concentrator(s) at least once every 15 minutes. [401 KAR 52:030, Section 10]

i. The permittee shall monitor the rotational speed of the rotary concentrator(s) at least once every 15 minutes. [401 KAR 52:030, Section 10]

For Temperature Sensors:

j. The permittee shall replace temperature sensors annually. [401 KAR 52:030, Section 10]

NSPS Subpart WW requirements

k. The permittee shall determine the VOC-content of the coatings from formulation data supplied by the manufacturer of the coating or by an analysis of each coating, as received, using Reference Method 24. The Administrator may require the owner or operator who uses formulation data supplied by the manufacturer of the coating to determine the VOC content of coatings using Reference Method 24 or an equivalent or alternative method. The owner or operator shall determine from company records the volume of coating and the mass of VOC-solvent added to coatings. If a common coating distribution system serves more than one affected facility or serves both affected and exiting facilities, the owner or operator shall estimate the volume of coating used at each facility by using the average dry weight of coating, number of cans, and size of cans being processed by each affected and existing facility or by other procedures acceptable to the Administrator. [40 CFR 60.493(b)(1)]

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain monthly records of the number of beverage cans manufactured. [401 KAR 52:030, Section 10]

b. The permittee shall maintain records of the time and duration when one or both concentrators are shut down. [401 KAR 52:030, Section 10]

c. At the end of each month VOC/HAP emissions shall be calculated and recorded. [401 KAR 52:030, Section 10]

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

d. A rolling 12-month summary for each month showing tons of VOC/HAP emitted shall be recorded. [401 KAR 52:030, Section 10]

e. All instances of noncompliance with terms and conditions of this permit shall be recorded. [401 KAR 52:030, Section 10]

f. The permittee shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC/HAP emissions from each affected facility. [401 KAR 52:030, Section 10]

g. The permittee shall maintain a log of the daily pressure drop readings, including the time, date, identity of the personnel making the record, and dates of filter replacements. [401 KAR 52:030, Section 10]

h. The permittee shall maintain a log of the visual observations noting date, time and initials of observers, records of corrective actions taken as a result of visible emissions from a stack and records of any Reference Method 9 readings performed. [401 KAR 52:030, Section 10]

i. The permittee shall keep manufacturer's specification of control equipment on site. [401 KAR 52:030, Section 10]

j. The permittee shall maintain records of the pressure drop within the PTE. [401 KAR 52:030, Section 10]

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

   1) The design and/or manufacturer's parameter specifications,

   2) The operational procedures and preventive maintenance records,

   3) A log of visual inspections of each temperature sensor if redundant temperature sensors are not used,

   4) A record of the average combustion chamber temperature limit established during the most recent performance test and all relevant supporting data,

   5) The continuously recorded combustion chamber temperature of the thermal oxidizer along with the 3-hour averages,

   6) Record all periods (during coating operations), in which the 3-hour average combustion chamber temperature of the thermal oxidizer is below the temperature limit established during the most recent performance test. Each occurrence shall be considered a deviation from permit requirements. A control efficiency of 0% shall be assumed for all such periods.

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

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

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

ii. Whether visible emissions were normal for the process;

iii. The cause of the visible emissions; and

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

8) Whether any deviation occurred during a period of startup, shutdown, or malfunction.

l. The permittee shall maintain records of the following for the rotary concentrator(s): [401 KAR 52:030, Section 10]

1) The design and/or manufacturer's parameter specifications,

2) The operational procedures and preventive maintenance records

3) The temperature for the desorption/reactivation zone inlet temperature of the rotary concentrator(s) as monitored at least once every 15 minutes.

4) The rotational speed of the rotary concentrator(s) as monitored at least once every 15 minutes.

6. <u>Specific Reporting Requirements</u>:

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 Reference Method 9 opacity observations as noted in Section B (4) e. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

b. The permittee shall identify, record, and submit a written report to the Division's Bowling Green Regional Office of each instance during which the 3-hour average temperature of the thermal oxidizer falls below that at which compliance was demonstrated during the most recent measurement of oxidizer efficiency or when operating parameters for the rotary concentrator fall outside the range established during the most recent performance test. If no such periods occur during a particular quarter, the permittee shall state this in a semi-annual report required by General Condition F (6). [401 KAR 52:030, Section 10]

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

c. Any deviations from requirements of Section B shall be reported quarterly. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Division semiannually by January 30th and July 30th of each year. [401 KAR 52:030, Section 10]

d. The following information shall be reported semiannually: [401 KAR 52:030, Section 10]

1. The VOC/HAP emissions calculation for each month.
2. The rolling 12-month total of VOC/HAP emissions for each month.
3. Number of cans produced each month.
4. The time and duration when one or both concentrators are shut down.

e. The following data shall be included in the initial compliance report required under 40 CFR 60.8: [40 CFR 60.495(a)]

Where only coatings which individually have a VOC content equal to or less than the limits specified under 40 CFR 60.492 are used, and no VOC is added to the coating during the application or distribution process, the owner or operator shall provide a list of the coatings used for each affected facility and the VOC content of each coating calculated from data determined using Reference Method 24 or supplied by the manufacturers of the coatings.

7. Specific Control Equipment Operating Conditions:

See Section B.4, B.5, B.6

8. Alternate Operating Scenarios:

a. During periods of planned maintenance for the RTO, the permittee may continue to operate the coating operation pursuant to the following conditions:

1. For each instance, the permittee shall monitor and record the exact time the RTO shuts down for maintenance and the exact time when the RTO resumes normal operations (when the combustion chamber temperature reaches the value established during the most recent performance test).

2. The permittee shall monitor and record the total number of beverage cans processed between the two times (shut down and restart times) established as part of section B.8.a.1 above.

3. The permittee shall calculate VOC/HAP emissions resulting from operating under this scenario and add these emissions to the regularly calculated VOC/HAP emissions in the month the shutdown occurred. See Section D for calculation equations.

4. The permittee may operate under this alternate scenario for no more than 240 hours per rolling 12-month period.

5. The permittee shall notify the Bowling Green regional office within 30 days of any instance other than planned maintenance that led to a shutdown of the RTO and in

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

which the coating process continued uncontrolled or any instance which resulted in the permittee exceeding the 240 hour rolling 12-month limit of this scenario.

6. The permittee shall make reasonable attempt to minimize emissions while operating under this scenario. This shall include scheduling preventative maintenance events required for the production line equipment to occur at the same time as the RTO maintenance events to reduce the overall production capacity of the can manufacturing line during the RTO bypass event.

b. In the event both rotary concentrators are shut down, the permittee shall operate no more than one production line.

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

Emission Unit 4A	Hot Water Heater #1
Rated Capacity:	2.2 MMBtu/hr, natural gas
Construction Date:	May 2020

Emission Unit 4B	Hot Water Heater #2
Rated Capacity:	2.2 MMBtu/hr, natural gas
Construction Date:	May 2020

Emission Unit 4C	Hot Water Heater #3
Rated Capacity:	2.2 MMBtu/hr, natural gas
Construction Date:	May 2020

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

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

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

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

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

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

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

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

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

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

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

Compliance Demonstration Method:
Compliance shall be demonstrated according to **5. Specific Recordkeeping Requirements b.**

2. Emission Limitations:

a. The permittee shall not cause emissions of particulate matter in excess of 0.56 lb/MMBtu actual heat input. [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 minutes during fire box cleaning or soot blowing; and [401 KAR 59:015, Section 4(2)(b)]

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

c. The permittee shall not cause emissions of gases that contain sulfur dioxide in excess of 3.0 lb/MMBtu actual heat input. [401 KAR 59:015, Section 5(1)(c)]

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

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

Compliance Demonstration Method:
Based upon the emission rates of toxics and hazardous air pollutants determined by the Cabinet using information provided in the application and supplemental information submitted by the source, the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

e. Refer to Section D for source-wide VOC/HAP emission limits.

3. Testing Requirements:
Testing shall be conducted at such times as may be requested by the Cabinet. [401 KAR 50:045, Section 1, and 401 KAR 59:005, Section 2(2)]

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

4. Specific Monitoring Requirements:

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

5. Specific Recordkeeping Requirements:

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

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

6. Specific Reporting Requirements:

Refer to Section F for further requirements.

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

Miscellaneous Plant-Wide Combustion Equipment

Emission Unit 3A	Washer-Dryer Oven Line 1, **1.485** MMBtu/hr
Emission Unit 3B	Washer-Dryer Oven Line 2, **1.485** MMBtu/hr
Emission Unit 5A	Pin Oven 1a, **2.5** MMBtu/hr
Emission Unit 5B	Pin Oven 1b, **2.5** MMBtu/hr
Emission Unit 5C	Pin Oven 2a, **2.5** MMBtu/hr
Emission Unit 5D	Pin Oven 2b, **2.5** MMBtu/hr
Emission Unit 6A	Inside Bake Oven 1, **7.2** MMBtu/hr
Emission Unit 6B	Inside Bake Oven 2, **7.2** MMBtu/hr
Emission Unit 7	Kitchen, **0.2** MMBtu/hr
Emission Unit 8	Plant Space Heating, **12.6** MMBtu/hr
Emission Unit 9	RTO, **11.2** MMBtu/hr

APPLICABLE REGULATION:
401 KAR 63:020, Potentially hazardous matter or toxic substances [State-origin requirement]

1. **Operating Limitations:**
   None

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

      Compliance Demonstration Method:
      Based upon the emission rates of toxics and hazardous air pollutants determined by the Cabinet using information provided in the application and supplemental information submitted by the source, the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

   b. Refer to Section D for source-wide VOC/HAP emission limits.

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

4. **Specific Monitoring Requirements:**
   The permittee shall monitor the monthly natural gas usage. [401 KAR 52:030, Section 10]

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

5. Specific Recordkeeping Requirements:
The permittee shall maintain records of the monthly natural gas usage. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:
Refer to Section F for further requirements.

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

Emission Unit 10 Diesel Fuel-Fired Fire Pump Engine #1

Description:
Clarke JW6H-UFAD70, 4-Stroke Diesel Fuel-Fired Engine
Displacement: 9 Liters
Maximum Engine Power: 399 HP
Model Year: 2020
Construction Date: May 2020

Emission Unit 11: Diesel Fuel-Fired Fire Pump Engine #2

Description:
Clarke JW6H-UFAD70, 4-Stroke Diesel Fuel-Fired Engine
Displacement: 9 Liters
Maximum Engine Power: 399 HP
Model Year: 2020
Construction Date: May 2020

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

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

1. **Operating Limitations:**
   a. The permittee must meet the requirements of 40 CFR part 63 by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under 40 CFR part 63. [40 CFR 63.6590(c)(1)]

   b. The permittee shall use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel. [40 CFR 60.4207(b)]

   c. If the emergency stationary CI internal combustion engine does not meet the standards applicable to non-emergency engines, the permittee shall install a non-resettable hour meter prior to startup of the engine. [40 CFR 60.4209(a)]

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

      1. Operate and maintain the stationary CI engine according to the manufacturer's emission-related written instructions; [40 CFR 60.4211(a)(1)]
      2. Change only those emission-related settings that are permitted by the manufacturer; and [40 CFR 60.4211(a)(2)]

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

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

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

1. There is no time limit on the use of emergency stationary ICE in emergency situations. [40 CFR 60.4211(f)(1)]
2. The permittee may operate the emergency stationary ICE for the purpose specified in 40 CFR 60.4211(f)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by 40 CFR 60.4211(f)(3) counts as part of the 100 hours per calendar year allowed by 40 CFR 60.4211(f)(2). [40 CFR 60.4211(f)(2)]
    i. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The 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 ICE beyond 100 hours per calendar year. [40 CFR 60.4211(f)(2)(i)]
3. Emergency ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 60.4211(f)(2). Except as provided in 40 CFR 60.4211(f)(3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4211(f)(3)]
    i. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 60.4211(f)(3)(i)(A) through (E) are met. [40 CFR 60.4211(f)(3)(i)]

f. If the permittee does not install, configure, operate, and maintain the engine according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as follows: [40 CFR 60.4211(g)]

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

1. The permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer. [40 CFR 60.4211(g)(2)]

2. Emission Limitations:

a. The permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 over the entire life of the engine. [40 CFR 60.4206]

b. The permittee shall comply with the emission standards in table 4 to 40 CFR 60, Subpart IIII, for all pollutants. [40 CFR 60.4205(c)]

Emission Standard

Maximum Engine Power	NMHC + NOx	CO	PM
g/KW-hr (g/HP-hr) (300 ≤ HP < 600)	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)

Compliance Demonstration Method:
The permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(c) for the same model year and NFPA nameplate engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR 60.4211(g). [40 CFR 60.4211(c)]

c. Refer to Section D for source-wide VOC/HAP emission limits.

3. Testing Requirements:

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

4. Specific Monitoring Requirements:

The permittee shall monitor the fuel usage rate on a monthly basis. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. The permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214(b); 401 KAR 52:030, Section 10]

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

b. The permittee shall maintain records of the diesel fuel usage on a monthly basis. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:

If the emergency stationary ICE operates for the purpose specified in 40 CFR 60.4211(f)(3)(i), the permittee shall submit an annual report according to the requirements in 40 CFR 60.4214(d)(1) through (3). [40 CFR 60.4214(d)]

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to an opacity standard shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspection, evaluation, and any corrective action shall be recorded in a log.

Description	Generally Applicable Regulation
1. Can Formation Process	401 KAR 63:020
2. Can Trimming Process	401 KAR 63:020
3. Can Washing Process	401 KAR 63:020
4. Can Necking Process	401 KAR 63:020

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. VOC, HAP and Particulate Matter emissions and Opacity, 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.

3 The emissions of any individual Hazardous Air Pollutant (HAP) shall not exceed nine (9) tons during any consecutive 12-month period. The emissions of combined HAP shall not exceed twenty-two and one-half (22.5) tons during any consecutive 12-month period. Monthly records, which demonstrate compliance with this limitation, shall be maintained and total HAP emissions shall be reported on a semi-annual basis. HAP emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month HAP emissions; subsequently, tons of HAP emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with HAP emission limitations listed herein for the conditional major limitations. These records, as well as purchase orders and invoices for all HAP containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request. [To preclude 401 KAR 52:020]

Compliance Demonstration Method for HAP:

HAP (formaldehyde) (lbs/month) = $\sum$ $[X * EF * (1-(C_E * D_E))]$

Other HAP = $\sum$ $[Q_i * d_i * (1-(C_E * D_E))]$

Source-wide Combined HAP emitted (tons/month) = [HAP (formaldehyde) + Other HAP + HAP emissions from combustion and insignificant activities] / 2000

Where
X = Number of beverage cans produced per month (in millions)
EF = Emission factor of formaldehyde in lbs/million cans
Q_i = Amount of HAP_i containing Coating/Varnish/Ink/IPA (n) used per month (gallons)
d_i = Amount of HAP_i in Coating/Varnish/Ink/IPA (n) in pounds per gallon
D_E= Destruction efficiency of Concentrator(s)/RTO established in most recent performance test. D_E = 0 during periods of operation while the RTO is shutdown. These emissions shall be calculated separately from regular monthly emissions and added to the monthly total.
C_E = Capture efficiency of process
C_E for formaldehyde is assumed to be 100% since formaldehyde formation occurs within the ovens.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

4. VOC emissions shall not exceed 90 tons during any consecutive 12-month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein for the conditional major limitations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request. [To preclude 401 KAR 52:020]

$$\text{VOC from Coating Usage (lbs/month)} = \sum_{i=1}^{n} [Q_i * d_i * (1-(C_E * D_E))]$$

$$\text{Source-wide VOC emitted (tons/month)} = \sum \{[\text{VOC emissions from coating usage}] + [\text{VOC emissions from insignificant activities}] + [\text{VOC emissions from combustion}]\}/2000$$

Where
Q_i = Amount of Coating/Varnish/Ink/IPA (n) used per month (gallons)
d_i = Amount of VOC in Coating/Varnish/Ink/IPA (n) in pounds per gallon
i= Individual Coating/Varnish/Ink/IPA
n= total number of individual coatings/varnishes/inks/IPA
D_E= Destruction efficiency of Concentrator(s)/RTO established in most recent performance test. D_E = 0 during periods of operation while the RTO is shutdown or for processes that do not vent to RTO. These emissions shall be calculated separately from regular monthly emissions and added to the monthly total.
C_E= 100% for PTE portions of the lines, 95.9% for non-PTE portions (decorators and outside varnish) of the lines.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

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

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place (as defined in this permit), and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five (5) years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:030, Section 3(1)(f)1a, and Section 1a-7 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

3. In accordance with the requirements of 401 KAR 52:030, Section 3(1)f, the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit;
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

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

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030, Section 22. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1, the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8. The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken shall be submitted to the Regional Office listed on the front of this permit. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement does not identify a specific time frame for reporting deviations, prompt reporting, as required by Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26 shall be defined as follows:
   a. For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
   b. For emissions of any regulated air pollutant, excluding those listed in F.8.a., that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
   c. All deviations from permit requirements, including those previously reported, shall be included in the semiannual report required by F.6.

9. Pursuant to 401 KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
   a. Identification of each term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;

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

d. The method used for determining the compliance status for the source, currently and over the reporting period.
e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
f. The certification shall be submitted by January 30th of each year. Annual compliance certifications shall be sent to the Division for Air Quality, Bowling Green Regional Office, 2642 Russellville Road, Bowling Green, KY 42101.

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within 30 days of the date the Kentucky Emissions Inventory System (KYEIS) emissions survey is mailed to the permittee. If a KYEIS emissions survey is not mailed to the permittee, then the permittee shall comply with all other emissions reporting requirements in this permit.

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

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030, Section 3(1)(b), and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a-2 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

   b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-5 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030, Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
      (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030, Section 12;
      (2) The Cabinet or the United States Environmental Protection Agency (U. S. EPA) determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
      (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

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

   d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 6 and 7 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030, Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-11 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

i. All emission limitations and standards contained in this permit shall be enforceable as a practical matter. All emission limitations and standards contained in this permit are enforceable by the U.S. EPA and citizens except for those specifically identified in this permit as state-origin requirements. [Section 1a-12 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030, Section 11(3)].

l. This permit does not convey property rights or exclusive privileges [Section 1a-8 of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26].

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

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.

SECTION G - GENERAL PROVISIONS (CONTINUED)

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:030, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
   (1) Applicable requirements that are included and specifically identified in this permit; and
   (2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six (6) months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030, Section 12].

b. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030, Section 8(2)].

3. Permit Revisions

a. Minor permit revision procedures specified in 401 KAR 52:030, Section 14(3), may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the State Implementation Plan (SIP) or in applicable requirements and meet the relevant requirements of 401 KAR 52:030, Section 14(2).

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

No construction authorized by this permit (F-25-003).

5. Testing Requirements

a. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

b. Pursuant to 401 KAR 50:045, Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

SECTION G - GENERAL PROVISIONS (CONTINUED)

7. Emergency Provisions

   a. Pursuant to 401 KAR 52:030, Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
      (1) An emergency occurred and the permittee can identify the cause of the emergency;
      (2) The permitted facility was at the time being properly operated;
      (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
      (4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
      (5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

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

   c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030, Section 23(2)].

8. Ozone depleting substances

   a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
      (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
      (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
      (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
      (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
      (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
      (6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

9. Risk Management Provisions

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

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

SECTION H – ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A