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:	**Avantor Performance Materials, Inc.**
Mailing Address:	**PO Box 800, Paris, KY 40361**
Source Name:	**Avantor Performance Materials, Inc.**
Mailing Address:	**7001 Martin Luther King Jr. Blvd, Paris KY 40361**
Source Location:	**Same as Above**
Permit ID:	**F-24-069**
Agency Interest #:	**294**
Activity ID:	**APE20230001**
Review Type:	**Conditional Major, Operating**
Source ID:	**21-017-00015**
Regional Office:	**Frankfort Regional Office** **300 Sower Boulevard, 1st Floor** **Frankfort, KY 40601** **(502) 564-3358**
County:	**Bourbon**
Application Complete Date:	**December 26, 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-24-069	Renewal	APE20230001	12/26/2024		Renewal, update to insignificant activities, addition of parts washer, removal of idled units from 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 (CONTINUED)

Combustion Units

001 Indirect Heat Exchanger

Description:	Cleaver Brooks 100/600-300-15C boiler #1 for space heating and process heat
Primary Fuel:	Natural Gas *(modified 2012)*
Secondary Fuel:	No. 2, No. 4, and No. 6 Fuel Oils
Construction Date:	December 15, 1977
Control Device:	None
Capacity:	12.5 mmBtu/hr

002 Indirect Heat Exchanger

Description:	Cleaver Brooks 100/600-300-15C boiler #2 for space heating and process heat
Primary Fuel:	Natural Gas *(modified 2012)*
Secondary Fuel:	No. 2, No. 4, and No. 6 Fuel Oils
Construction Date:	December 15, 1977
Control Device:	None
Capacity:	12.5 mmBtu/hr

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

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

NON-APPLICABLE REGULATIONS:
401 KAR 60:005 Section 2(2)(d), 40 C.F.R. 60.40c through 60.48c (Subpart Dc), Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

401 KAR 63:002, Section 2(4)(jjjjj), 40 C.F.R. 63.11193 through 63.11237, Tables 1 through 8 (Subpart JJJJJJ), National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources, applies to oil-fired boilers and are classified as existing units when commenced on or before June 4, 2010

1. **Operating Limitations:**
   a. The permittee shall operate emission units 001 and 002 as gas-fired boilers as defined in 40 CFR 63.11237, which burn gaseous fuels not combined with any solid fuels and burn liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year. [40 CFR 63.11195(e)]

      Compliance Demonstration Method:
      Refer to **5. Specific Recordkeeping Requirements** a.(2).

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b. When using No. 2, No. 4, and No. 6 Fuel Oils during periods identified in **1. Operating Limitations** a. the following conditions apply: [401 KAR 52:030, Section 10]
   (1) Sulfur content of No. 2 fuel oil input to the boilers shall not exceed 0.5% by weight.
   (2) Sulfur content of No. 4 fuel oil input to the boilers shall not exceed 1.0% by weight.
   (3) Sulfur content of No. 6 fuel oil input to the boilers shall not exceed 1.2% by weight.

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

c. 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]
   (1) The permittee shall comply with 401 KAR 50:055, Section 2(5); [401 KAR 59:015, Section 7(1)(a)]
   (2) 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)]
   (3) 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)]
   (4) 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)]
   (5) Startups and shutdowns shall be conducted according to either: [401 KAR 59:015, Section 7(1)(e)]
      (i) The manufacturer's recommended procedures; or [401 KAR 59:015, Section 7(1)(e)1.]
      (ii) Recommended procedures for a unit of similar design, for which manufacturer's recommended procedures are available, as approved by the cabinet based on documentation provided by the permittee. [401 KAR 59:015, Section 7(1)(e)2.]

   Compliance Demonstration Method:
   Refer to **5. Specific Recordkeeping Requirements** c.

2. <u>Emission Limitations</u>:

a. Emissions of particulate matter (PM) from the combustion of natural gas, No. 2 fuel oil, No. 4 fuel oil, and/or No. 6 fuel oil at emission units 001 and 002 shall not exceed 0.451 lbs/MMBtu actual heat input. [401 KAR 59:015, Section 4(1)(c)]

b. The opacity of visible emissions from the combustion of natural gas, No. 2 fuel oil, No. 4 fuel oil, and/or No. 6 fuel oil at emission units 001 or 002 at each boiler shall not exceed 20% except: [401 KAR 59:015, Section 4(2)]
   (1) A maximum of forty (40) percent opacity shall be allowed for a maximum of six (6) consecutive minutes in any sixty (60) consecutive minutes during fire box cleaning or soot blowing; and
   (2) 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

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

allowed, if the method used is recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

c. Emissions of sulfur dioxide (SO_2) from the combustion of natural gas, No. 2 fuel oil, No. 4 fuel oil, and/or No. 6 fuel oil at each boiler shall not exceed 2.06 lbs/MMBtu actual heat input. [401 KAR 59:015, Section 5(1)(c)1. and 401 KAR 59:015, Section 5(1)(c)2.]

Compliance Demonstration Method:

a. While burning natural gas, compliance with the 401 KAR 59:015 emission standards is assumed. [401 KAR 50:045, Section 4(3)(c)1.]

b. While burning liquid fuels, compliance with **2. Emission Limitations** a. and c., is assumed based on AP-42 emission factors and the fuel oil sulfur content limitations.

c. While burning liquid fuels, compliance with the opacity limitations shall be determined in accordance with **4. Specific Monitoring Requirements** a.

d. See **Section D** for source-wide pollutant emission limitations.

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

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 (including limits identified in **Section D**), the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

3. Testing Requirements:

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

4. Specific Monitoring Requirements:

a. The permittee shall perform, during daylight hours, a daily qualitative visual observation of the opacity of emissions at each stack for emission units 001 and 002 when burning No. 2 fuel oil, No. 4 fuel oil, or No. 6 fuel oil and maintain a log of the observations. 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

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perform a corrective action which results in no visible emissions (not including condensed water in the plume). See **5. Specific Recordkeeping Requirements** a. (1). [401 KAR 52:030, Section 10]

b. See **Section D.**

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain the following records in a designated logbook or in an electronic format. Records shall be made available within 30 days of the end of each compliance period and retained for at least five (5) years: [401 KAR 52:030, Section 10]
   (1) A log of the daily qualitative visual observations made as specified in **4. Monitoring Requirements** a. including the date, time, initials of observer, whether any emissions were observed (yes/no), and any Method 9 readings taken.
   (2) Records of the reason fuel oil is burned (i.e. gas curtailment, gas supply emergencies, or periodic testing on liquid fuel) and the number of hours liquid fuel is burned on a monthly basis.

b. The permittee shall maintain the following records in a designated logbook or in an electronic format. Records shall be made available within 30 days of the end of each compliance period and retained for at least five (5) years: [401 KAR 52:030, Section 10]
   (1) A certification, signed by the permittee, that the records of the fuel supplier certifications represent all of the liquid fuel combusted during the period;
   (2) Fuel supplier certifications;
   (3) The name of the fuel supplier; and
   (4) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

c. 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]

d. See **Section D**.

6. Specific Reporting Requirements:

See **Section F**.

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003 Indirect Heat Exchanger

Description:	Burnham CW-50-O-GP fire-tube boiler for process heat
Primary Fuel:	No. 2 Fuel Oil
Construction Date:	January 10, 2006
Control Device:	None
Capacity:	1.44 mmBtu/hr

APPLICABLE REGULATIONS:

401 KAR 59:015, New Indirect Heat Exchangers.

401 KAR 63:002, Section 2(4)(jjjjj), 40 C.F.R. 63.11193 through 63.11237, Tables 1 through 8 (Subpart JJJJJJ), National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources.

NON-APPLICABLE REGULATIONS:

401 KAR 60:005 Section 2(2)(d), 40 C.F.R. 60.40c through 60.48c (Subpart Dc), Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

1. **Operating Limitations:**

   a. The permittee must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to 40 CFR 63, Subpart JJJJJJ that applies. [40 CFR 63.11201(b)]

      (1) The permittee shall conduct an initial tune-up as specified in 40 CFR 63.11214 and conduct a tune-up of the boiler every 5 years as specified in 40 CFR 63.11223. [Item 12 of Table 2 to 40 CFR 63, Subpart JJJJJJ]

   b. The permittee must conduct a performance tune-up according to 40 CFR 63.11210(c) or (g), as applicable, and 40 CFR 63.11223(b). The permittee must submit a signed statement in the Notification of Compliance Status report that indicates that the permittee conducted a tune-up of the boiler. [40 CFR 63.11214(b)]

   c. Except as specified in 40 CFR 63.11223(c) through (f), the permittee must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in 40 CFR 63.11223(b)(1) through (7). [40 CFR 63.11223(b)]

      (1) The permittee must conduct a tune-up every five (5) years as specified in 40 CFR 63.11223(b)(1) through (7). Each five (5)-year tune-up must be conducted no more than 61 months after the previous tune-up. [40 CFR 63.11223(e)]

   Compliance Demonstration Method:

   Refer to **5. Specific Recordkeeping Requirements** c and d.; and **6. Specific Reporting Requirements** b.

   d. At all times, the permittee must operate and maintain this unit 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 Division that may include, but is not limited to, monitoring

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results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.11205(a)]

Compliance Demonstration Method:
Refer to **6. Specific Reporting Requirements** d.

e. During a startup period or shutdown period, the permittee shall meet the work practice standards established in 40 C.F.R. Part 63, Table 2 to Subpart JJJJJJ, as established in 401 KAR 63:002, Section 2(4)(jjjjj). [401 KAR 59:015, Section 7(2)(c)]

f. When using No. 2 Fuel Oil the following condition applies:
(1) Sulfur content of No. 2 fuel oil input to the boilers shall not exceed 0.5% by weight.

Compliance Demonstration Method:
Refer to **5. Specific Recordkeeping Requirements** c.

2. <u>Emission Limitations</u>:

a. Emissions of particulate matter (PM) from the combustion of No. 2 fuel oil at emission unit 003 shall not exceed 0.445 lbs/MMBtu actual heat input. [401 KAR 59:015, Section 4(1)(c)]

b. The opacity of visible emissions from the combustion of No. 2 fuel oil at emission unit 003 shall not exceed 20%. except: [401 KAR 59:015, Section 4(2)]
(1) A maximum of forty (40) percent opacity shall be allowed for a maximum of six (6) consecutive minutes in any sixty (60) consecutive minutes during fire box cleaning or soot blowing; and
(2) 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.

c. Emissions of sulfur dioxide (SO_2) from the combustion of No. 2 fuel oil at emission unit 003 shall not exceed 2.013 lbs/MMBtu actual heat input. [401 KAR 59:015, Section 5(1)(c)1.]

Compliance Demonstration Method:
a. While burning liquid fuels, compliance with **2. Emission Limitations** a. and c., is assumed based on AP-42 emission factors and the fuel oil sulfur content limitation.

b. While burning liquid fuels, compliance with the opacity limitations shall be determined in accordance with **4. Specific Monitoring Requirements** a.

d. See **Section D** for source-wide pollutant emission limitations.

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3. Testing Requirements:

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

4. Specific Monitoring Requirements:

a. The permittee shall perform, during daylight hours, a monthly qualitative visual observation of the opacity of emissions at the stack for emission units 003 when burning No. 2 fuel oil and maintain a log of the observations. 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]

b. See **Section D**.

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain the following records in a designated logbook or in an electronic format. Records shall be made available within 30 days of the end of each compliance period and retained for at least five (5) years: [401 KAR 52:030, Section 10]

(1) A log of the monthly qualitative visual observations made as specified in **4. Monitoring Requirements** a. including the date, time, initials of observer, whether any emissions were observed (yes/no), and any Method 9 readings taken.

b. The permittee must maintain the records specified in 40 CFR 63.11225(c)(1) through (7) as applicable: [40 CFR 63.11225(c)]

(1) As required in 40 CFR 63.10(b)(2)(xiv), the permittee must keep a copy of each notification and report that the permittee submitted to comply with 40 CFR 63, Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that the permittee submitted. [40 CFR 63.11225(c)(1)]

(2) The permittee must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 and 40 CFR 63.11223 as specified in 40 CFR 63.11225(c)(2)(i) through (vi) as applicable: [40 CFR 63.11225(c)(2)]

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned. [40 CFR 63.11225(c)(2)(i)]

(ii) For each boiler required to conduct an energy assessment, the permittee must keep a copy of the energy assessment report. [40 CFR 63.11225(c)(2)(iii)]

(3) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. [40 CFR 63.11225(c)(4)]

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(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11225(c)(5)]

c. The permittee shall maintain the following records in a designated logbook or in an electronic format. Records shall be made available within 30 days of the end of each compliance period and retained for at least five (5) years: [401 KAR 52:030, Section 10]
   (1) A certification, signed by the permittee, that the records of the fuel supplier certifications represent all of the liquid fuel combusted during the period;
   (2) Fuel supplier certifications;
   (3) The name of the fuel supplier; and
   (4) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

d. See **Section D**.

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

a. The permittee shall submit notification specified in 40 CFR 63.11225(a)(1) through (5) to the Division, as applicable. [40 CFR 63.11225(a)]

b. The permittee shall maintain on-site and submit, if requested by the Administrator, a report containing the information in 40 CFR 63.11223(b)(6)(i) through (iii) as follows: [40 CFR 63.11223(b)(6)]
   (1) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of each boiler. [40 CFR 63.11223(b)(6)(i)]
   (2) A description of any corrective actions taken as a part of the tune-up of each boiler. [40 CFR 63.11223(b)(6)(ii)]
   (3) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, 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 use by each unit. [40 CFR 63.11223(b)(6)(iii)]

c. See **Section F**.

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

Emergency Combustion Units

FW01 Stationary Reciprocating Internal Combustion Engine (RICE)

Description:	Emergency Diesel-Fired Firewater Pump Engine
Model:	Cummins NT 855-F2
Primary Fuel	No. 2 Fuel Oil (Diesel)
Construction Data:	August 1, 1977
Control Device:	None
Power Output:	380 hp

EG01 Stationary Reciprocating Internal Combustion Engine (RICE)

Description:	Emergency Natural Gas-Fired Generator
Model:	Waukesha 180GKB
Primary Fuel	Natural Gas
Construction Data:	August 1, 1977
Control Device:	None
Power Output:	20 hp

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. For FW01:
      (1) The permittee must comply with the requirements in Item 4. in Table 2d to 40 CFR 63, Subpart ZZZZ as follows: [40 CFR 63.6603(a)]
         (i) Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; [Item 4.a in Table 2d to 40 CFR 63, Subpart ZZZZ]
         (ii) Inspect air cleaner every 1,000 hours of operation or within 1 year + 30 days of the previous inspection, whichever comes first, and replace as necessary; and [Item 4.b in Table 2d to 40 CFR 63, Subpart ZZZZ]
         (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 as necessary. [Item 4.c in Table 2d to 40 CFR 63, Subpart ZZZZ]

   b. For EG01:
      (1) Pursuant to 40 CFR 63.6603(a), the permittee must comply with the requirements in Item 5. in Table 2d to 40 CFR 63, Subpart ZZZZ as follows:
         (i) Change oil and filter every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first; [Item 5.a in Table 2d to 40 CFR 63, Subpart ZZZZ]
         (ii) Inspect spark plugs every 1,000 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, and replace as necessary; and [Item 5.b in Table 2d to 40 CFR 63, Subpart ZZZZ]

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(iii) Inspect all hoses and belts every 500 hours of operation or within 1 year + 30 days of the previous change, whichever comes first, and replace as necessary. [Item 5.c in Table 2d to 40 CFR 63, Subpart ZZZZ]

c. The permittee must minimize the engines' time spent at idle during startup and minimize the engines' startup time to a period needed for appropriate and safe loading of the engines, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Table 2d to 40 CFR 63, Subpart ZZZZ apply. [40 CFR 63.6625(h)]

d. The permittee must be in compliance with the emission limitations and operating limitations in 40 CFR 63, Subpart ZZZZ that apply at all times. [40 CFR 63.6605(a)]

e. 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 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)]

f. The permittee must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). 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 (4), is prohibited. If the permittee does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), 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)]
   (1) There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR 63.6640(f)(1)]
   (2) The permittee may operate their emergency stationary RICE for the purpose specified in 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) and (4) counts as part of the 100 hours per calendar year allowed by 40 CFR 63.6640(f)(2). [40 CFR 63.6640(f)(2)]
      (i) 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 owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the

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owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR 63.6640(f)(2)(i)]

(3) Emergency stationary RICE located at area sources of HAP 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 and emergency demand response provided in 40 CFR 63.6640(f)(2). Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 63.6640(f)(4)]

Compliance Demonstration Method:
The permittee must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2d to 40 CFR 63, Subpart ZZZZ according to methods specified in Item 9 in Table 6 to 40 CFR 63, Subpart ZZZZ as follows: [40 CFR 63.6640(a)]

a. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or [Item 9.a.i in Table 6 to 40 CFR 63, Subpart ZZZZ]

b. Develop and follow your own 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. [Item 9.a.ii in Table 6 to 40 CFR 63, Subpart ZZZZ]

2. **Emission Limitations:**
See **Section D** for source-wide pollutant emission limitations.

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

4. **Specific Monitoring Requirements:**

a. The permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own 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)(3)]

b. The permittee shall install non-resettable hour meters on the engines if they are not already installed. [40 CFR 63.6625(f)]

c. For FW01; The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to 40 CFR 63, Subpart

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

ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 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 engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator 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 engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator 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)]

d. For EG01; The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to 40 CFR 63, Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 40 CFR 63, Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid 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 engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator 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 engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator 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(j)]

e. The permittee shall monitor the amount of fuel burned and hours of operation of each engine on a monthly basis. [401 KAR 52:030, Section 10]

f. See **Section D.** and **Section F**.

5. **Specific Recordkeeping Requirements:**
   a. The permittee must keep the records required in Table 6 of 40 CFR 63, Subpart ZZZZ to show continuous compliance with each emission or operating limitation that applies. [40 CFR 63.6655(d)]

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

b. The permittee shall 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. [40 CFR 63.6655(e)(3)]

c. The permittee shall 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. [40 CFR 63.6655(f)(2)]

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 form 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 maintain records of the amount of fuel burned and hours of operation for the engines on a monthly basis. [401 KAR 52:030, Section 10]

h. See **Section D.** and **Section F**.

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 apply. 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. If the permittee changes their catalyst, the permittee must reestablish the values of the operating parameters measured during the initial performance test. When the permittee reestablishes the values of their operating parameters, the permittee must also conduct a performance test to demonstrate that the permittee is meeting the required emission limitation applicable to their stationary RICE. [40 CFR 63.6640(b)]

b. The permittee must report each instance in which the permittee did not meet the requirements in Table 8 to 40 CFR 63, Subpart ZZZZ that apply. [40 CFR 63.6640(e)]

c. See **Section D.** and **Section F**.

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

Dry Materials Packaging

007 Bulk to Bulk Packaging and Supersack
Description: Tables and Scales
Construction Date: May 1, 1978
Control Device: Torit DC Baghouse, control efficiency 99%

07(a) Bulk to Bulk Packaging Room
Capacity: 1,500 lbs/hr

07(b) Supersack Packaging
Capacity: 1,500 lbs/hr

008 Suite #10, Suite #11 and Suite #12
Description: Tables and Scales
Construction Date: May 1, 1978
Control Device: Cambridge Cartridge Filters, control efficiency 95%

08(a) **Suite #10**
Capacity: 700 lbs/hr

08(b) **Suite #11**
Capacity: 700 lbs/hr

08(c) **Suite #12**
Capacity: 700 lbs/hr

009 Suite #9
Description: Tables and Scales
Construction Date: May 1, 1978
Control Device: Cambridge Cartridge Filters, control efficiency 95%
Capacity: 700 lbs/hr

010 Suite #8/Suite #6
Description: Tables and Scales
Construction Date: May 1, 1978
Control Device: Cambridge Cartridge Filters, control efficiency 95%

10(a) **Suite #6**
Capacity: 700 lbs/hr

10(b) **Suite #8**
Capacity: 700 lbs/hr

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

011 Dry Salts Packaging

Description: Tables and Scales
Construction Date: May 1, 1978
Control Device: Torit DC Baghouse, control efficiency 99%

11(a) Bulk to Bulk Packaging
Capacity: 1,500 lbs/hr

11(b) Dry Salts Pack Suite #2
Capacity: 700 lbs/hr

11(c) Dry Salts Pack Suite #3
Capacity: 700 lbs/hr

11(d) Dry Salts Pack Suite #4
Capacity: 700 lbs/hr

11(e) Suite #1
Capacity: 700 lbs/hr

11(f) Suite #5
Capacity: 700 lbs/hr

APPLICABLE REGULATIONS:
401 KAR 59:010, New Process Operations

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

1. **Operating Limitations:**
   Refer to **7. Specific Control Equipment Operating Conditions**.

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

      Compliance Demonstration Method:
      See **4. Specific Monitoring Requirements** a. and **5. Specific Recordkeeping Requirements** b.

   b. Emissions of particulate matter (PM/PM_{10}) from the control device or stack at emission units 007, 008, 009, 010 and 011 shall not exceed the allowable rate limit as calculated by one of the following equations using the process weight rate (in units of tons/hr): [401 KAR 59:010 Section 3(2)]

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

For process rates of 1,000 lb/hr or less: $E = 2.34$
For process rates up to 60,000 lb/hr: $E = 3.59P^{0.62}$ Where;
E = rate of emission in lb/hr and P = process weight rate in tons/hr

Compliance Demonstration Method:
The permittee is assumed to be in compliance with the allowable PM emission rate when operating the associated particulate control system for emission units 007, 008, 009, 010, or 011 in accordance with **7. Specific Control Equipment Operating Conditions**.

c. See **Section D.3** for source-wide pollutant emission limitations.

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 (including limits identified in **Section D**), the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

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

4. Specific Monitoring Requirements:
a. The permittee shall perform a weekly qualitative visual observation during daylight hours of the opacity of emissions at each stack for emission units 007, 008, 009, 010, and 011 and maintain a log of the observations. 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]

b. Install, calibrate, maintain, and operate a pressure drop monitoring device to continuously monitor the differential pressure across the baghouse to ensure that pressure does not drop outside the pressure drop range documented by the manufacturer's specifications or the pressure drop range determined during the most recent performance test. Personnel will monitor the differential pressure reading across the baghouse at least once per day during times of operation. [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 the following records in a designated logbook or in an electronic format. Records shall be made available within 30 days of the end of each compliance period and retained for at least five (5) years: [401 KAR 52030, Section 10]

a. All maintenance activities performed at the control equipment;

b. A log of the weekly qualitative visual observations made as specified in **4. Monitoring Requirements** a. including the date, time, initials of observer, whether any emissions were observed (yes/no), and any Method 9 readings taken; and

c. The permittee shall record the occurrence, duration, cause, and any corrective action taken for each incident when emission units 007, 008, 009, 010, or 011 are in operation but the corresponding control systems are not in operation.

d. The permittee shall keep records of the differential pressure reading across the baghouse.

e. The monthly hours of operation and material processing rate of each emission unit.

f. See **Section D.**

6. Specific Reporting Requirements:

See **Section D.** and **Section F.5**.

7. Specific Control Equipment Operating Conditions:

The associated control system for emission units 007, 008, 009, 010, and 011 shall control particulate emissions and be operated properly in accordance with manufacturer's specifications and/or standard operating procedures at all times when emission units 007, 008, 009, 010, and 011 are in operation.

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

Acid Packaging

012 Automatic and Hand Filling Liquid Acids
Model/Make: MRM/Elgin GRC-A
Construction Date: May 1, 1978
Control Device: Packed-Bed Scrubber (Caustic Scrubber #1), control efficiency 95%

12(a) Acid Autoline
Capacity: 750 gal/hr

12(b) Acid Bulk Filler
Capacity: 900 gal/hr

12(c) Peroxide Bulk Filler
Capacity: 500 gal/hr

12(d) Mobile Stations (Maximum 8)
Capacity: 100 gal/hr each

12(e) Fill Line
Capacity: 200 gal/hr

12(f) Drum Station
Capacity: 350 gal/hr

15 Acid Hood Side Station
Capacity: 100 gal/hr

APPLICABLE REGULATIONS:
401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances [State-only requirement]

1. **Operating Limitations:**
   Caustic scrubber #1 shall be in operation at all times that any of the processes associated with emission unit 012 are in operation. [401 KAR 52:030, Section 10]

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]

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

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

b. See **Section D.3** for source-wide pollutant emission limitations.

3. Testing Requirements:
Once per permit term, and when hydrochloric acid is packaged, the permittee shall test the Packed-Bed Scrubber (Caustic Scrubber #1) to determine the controlled emissions of hydrochloric acid and the destruction and removal efficiency (DRE) of pollutant. The control requirements specified in **7. Specific Control Equipment Operating Conditions** a.(1) shall also be demonstrated.

4. Specific Monitoring Requirements:
a. The permittee shall: [401 KAR 52:030, Section 10]
(1) Maintain, calibrate, and operate according to the manufacturer's specification, a monitoring device for the daily measurement of pressure drop across the scrubber at caustic scrubber #1, when the emission units controlled by the scrubber are in operation.
(2) Maintain, calibrate, and operate according to the manufacturer's specification, a monitoring device for daily measurement of the scrubbing liquid flowrate to the scrubber, when the emission units controlled by the scrubber are in operation.

b. See **Section D**.

5. Specific Recordkeeping Requirements:
a. The permittee shall: [401 KAR 52:030, Section 10]
(1) Maintain records of preventive maintenance and inspections of the scrubber in accordance with **7. Specific Control Equipment Operating Conditions** a.
(2) Maintain daily records of the pressure drop across the scrubber and scrubbing liquid flowrate to the scrubber for caustic scrubber #1. The permittee shall include in its daily record when a pressure drop or flowrate measurement is not taken and the reason for the lack of a measurement (e.g., the process did not operate that day).

b. See **Section D.**

6. Specific Reporting Requirements:
See **Section D**. and **Section F**.

7. Specific Control Equipment Operating Conditions:
a. The permittee shall: [401 KAR 52:030, Section 10]
(1) Maintain the pressure drop across the scrubber at caustic scrubber #1 and scrubbing liquid flowrate within the ranges recommended by the manufacturer or established during the most recent stack test.

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

(2) Perform preventive maintenance for caustic scrubber #1 in accordance with the manufacturer's recommendations, and the scrubber shall be operated and maintained in accordance with manufacturer’s specifications.

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

Solvent Packaging Area

013 Solvent Packaging Room
Model/Make: NJM PGP-PAKA
Construction Date: May 1, 1978
Control Device: None

13(a) Solvent Autoline #1
Capacity: 1,400 gal/hr

13(b) Solvent Autoline #2
Capacity: 1,400 gal/hr

13(c) Solvent Station #1 (5-Gal Filler)
Capacity: 550 gal/hr

13(d) Solvent Station #2 (Drums)
Capacity: 1,000 gal/hr

13(e) Solvent Station #8 (Drums)
Capacity: 1,000 gal/hr

13(f) Mobile Side Stations (Maximum 11)
Capacity: 150 gal/hr each

13(g) Cycletainer/Drum Filling Station
Capacity: 1,000 gal/hr

14 Solvent Hazard Hood
Capacity: 150 gal/hr

Solvent/Ether Packaging Area

017 Ether/Solvent Packaging Room
Model/Make: Mallinckrodt Baker Designed
Construction Date: May 1, 1980
Control Device: None

17(a) Ether/Solvent Autofill Line
Capacity: 334 gal/hr

17(b) Ether/Solvent Drum Filling Station
Capacity: 640 gal/hr

17(c) Two Ether/Solvent Mobile Side Stations
Capacity: 500 gal/hr each

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

Bulk Material Receiving

024 Truck Unloading

Model/Make: Mallinckrodt Baker Designed
Construction Date: May 1, 1978
Control Method: Nitrogen Blanket
Capacity: 5,800 gal/hr

APPLICABLE REGULATIONS:

401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances [State-only requirement]

1. **Operating Limitations:**
   a. Total source-wide chloroform throughput at emission unit 013, the solvent packaging Room and emission unit 024, Truck Unloading, shall not exceed 600,000 gallons per twelve (12) consecutive month period. [401 KAR 52:030, Section 10]

   b. Dichloromethane packaging in emission unit 013, the solvent packaging room, shall not exceed 5,529,420 pounds per twelve (12) consecutive month period;

   c. Packaging of total VOCs or total HAPs, other than dichloromethane, at the mobile side stations, 5-gallon pail filling station, or drum/tote stations in emission unit 013, the solvent packaging area, shall not exceed 30,850,000 pounds per twelve (12) consecutive month period;

   d. Packaging of total VOCs or total HAPs, other than dichloromethane, on the two (2) autofill stations in emission unit 013, the solvent packaging area, shall not exceed 22,212,000 pounds per twelve (12) consecutive month period.

   e. Packaging of dichloromethane at the side stations and drum filling station in emission unit 017, the ether/solvent packaging area, shall not exceed 1,105,884 pounds per twelve (12) consecutive month period; and

   f. Packaging of total VOCs or total HAPs, other than dichloromethane, at the mobile side stations and drum filling station in emission unit 017, the ether/solvent packaging area, shall not exceed 3,755,000 pounds per twelve (12) consecutive month period.

   Compliance Demonstration Method:
   See **5. Source Recordkeeping Requirements** and **6. Source Reporting Requirements**.

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

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 (including limits identified in **Section D**), the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

b. See **Section D.3** for source-wide pollutant emission limitations.

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

4. Specific Monitoring Requirements:
See **Section D.**

5. Specific Recordkeeping Requirements:

a. Total throughput of chloroform (in gallons) at emission units 013 and 024 shall be determined and recorded on a monthly and consecutive (12) month basis.

b. Total throughput of dichloromethane packaging (in pounds) in the solvent packaging area, emission unit 013, shall be determined and recorded on a monthly and consecutive (12) month basis.

c. Total throughput/packaging of VOCs or HAPs, other than dichloromethane containing material at the mobile side stations, 5-gallon pail filling station, or drum/tote stations in the solvent packaging area, at emission unit 013, shall be determined and recorded on a monthly and consecutive (12) month basis.

d. Total throughput/packaging of VOCs or HAPs, other than dichloromethane containing material on the two (2) autofill stations in the solvent packaging area, at emission unit 013, shall be determined and recorded on a monthly and consecutive (12) month basis.

e. Total throughput of dichloromethane at the side stations and drum filling station in the ether/solvent packaging area, at emission unit 017, shall be determined and recorded on a monthly and consecutive (12) month basis.

f. Total throughput/packaging of VOCs or HAPs, other than dichloromethane containing material at the mobile side stations and drum filling station in the ether/solvent packaging area, at emission unit 017, shall be determined and recorded on a monthly and consecutive (12) month basis.

g. See **Section D.**

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

6. Specific Reporting Requirements:

a. The permittee shall report to the Division in accordance with **Section F**, the monthly and consecutive twelve (12) month totals of all records identified in **5. Specific Recordkeeping Requirements**. [401 KAR 52:030, Section 10]

b. See **Section D.** and **Section F**.

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

EP 26 - Parts Washer
Model/Make: Safety-Kleen / Model 90
Capacity: 25 gallons
Construction Date: 4/2018
Max Solvent Usage: 440 gal/yr

APPLICABLE REGULATIONS:
401 KAR 59:185, New Solvent Metal Cleaning Equipment.

1. **Operating Limitations:**
   a. The permittee shall install, maintain, and operate the control equipment and observe at all times the operating requirements that apply to this type of degreaser as specified in 401 KAR 59:185, Section 4. [401 KAR 59:185, Section 3]

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

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

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

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

   f. If solvent volatility is greater than thirty-two (32) mm Hg measured at 100°F or if the solvent is heated above 120oF, then one (1) of the following control devices shall be used: [401 KAR 59:185, Section 4(1)(e)]
      (1) Freeboard height that gives a freeboard ratio greater than or equal to seven-tenths (0.7); [401 KAR 59:185, Section 4(1)(e)1.]
      (2) Water cover, solvent shall be insoluble in and heavier than water; or [401 KAR 59:185, Section 4(1)(e)2.]
      (3) Other system of equivalent control, such as a refrigerated chiller or carbon adsorption. [401 KAR 59:185, Section 4(1)(e)3.]

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

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

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

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

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

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

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

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

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

o. The operation of a cold cleaner using a solvent with a vapor pressure that exceeds one (1.0) mm Hg (0.019 psi) measured at 20° C (68° F) is prohibited. [401 KAR 59:185, Section 4(3)(b)]

2. Emission Limitations:
See **Section D.3** for source-wide pollutant emission limitations.

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

4. Specific Monitoring Requirements:
a. The permittee shall monitor solvent usage and the type of solvent used each time solvent is added to the unit. [401 KAR 52:030, Section 10]

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

b. Refer to **SECTION D**. and **Section F**.

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain records of the following information for each solvent purchase: [401 KAR 59:185, Section 4(4)(b)]
   (1) The name and address of the solvent supplier; [401 KAR 59:185, Section 4(4)(b)(1)]
   (2) The date of the purchase; [401 KAR 59:185, Section 4(4)(b)(2)]
   (3) The type of solvent; and [401 KAR 59:185, Section 4(4)(b)(3)]
   (4) The vapor pressure of the solvent measured in mm Hg at 20° C (68° F). [401 KAR
   (5) 59:185, Section 4(4)(b)(4)]

b. Refer to **SECTION D**. and **SECTION F**.

6. Specific Reporting Requirements:

See **SECTION D**. and **Section F.5**.

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. Analytical Lab Hoods	None
2. Gas-fired Space Heaters (Rated less than 1.0 mmBtu/hr each)	None
3. Storage Vessels (each having a capacity less than 580 gallons and containing organic liquids (solution packaging area)) with uncontrolled HAP Emissions < 1,000 pounds per year.	None
4. Solution Blending and Packaging Operations	None
5. Aqueous Solution Blending and Packaging Operation (with caustic scrubber #1) with uncontrolled HAP emissions < 1,000 pounds per year.	None
6. Flammable Solution Blending and Packaging Operation	None
7. Hazard Room	None
8. Storage Vessels (each having a capacity less than 10,567 gallons and containing organic liquids with a vapor pressure less than 1.5 psia (aqueous solution blending area, FACSFlow™. Area, No. 2 fuel oil tank, No. 6 fuel oil tank))	None
9. Cooling Tower - 700 gal/min	401 KAR 59:010
10. Maintenance Workshop	None
11. Wastewater Neutralization System Equalization Basins	None
12. Solvent Transfer Station	None
13. Container Vacuum System	None
14. Specialty Blending and Packaging Operation – three (3) 3,600 gallon mix tanks.	None
15. Packaging Area Equipment Leak Components (059) (46 valves; 174 connectors; 8 pumps in VOC and chloroform service)	401 KAR 63:020
16. Inkjet Packaging Label Printers – Nine Total	None
17. REZI-38 Packaging operations	None
18. Chemical Warming Ovens – Six Total	401 KAR 63:020

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

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 li0mitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. PM, PM_{10}, $PM_{2.5}$ SO2, VOC, and Hazardous Air Pollutant (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.

3. Source Emission Limitations:
   a. To preclude the applicability of 401 KAR 52:020, Title V Permits and 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality, the source-wide emissions (from all units in Section B and Section C) shall be limited to the following, on a twelve (12) consecutive month basis: [401 KAR 52:030, Section 10]
      (1) PM, PM_{10}, $PM_{2.5}$ emissions: 90 tons per year (tpy);
      (2) Volatile organic compound (VOC) emissions: 90 tpy;

   b. To preclude the applicability of 401 KAR 52:020, Title V Permits, the source-wide emissions (from all units in Section B and Section C) shall be limited to the following, on a twelve (12) consecutive month basis: [401 KAR 52:030, Section 10]
      (1) Individual HAP, except phenol and hydrogen chloride: 9 tpy; and
      (2) Combined hazardous air pollutant emissions: 22.5 tpy.

   c. The following source-wide emissions of individual Hazardous Air Pollutants (HAP) (from all units in Section B and Section C) shall be limited to the following, on a twelve (12) consecutive month basis: [401 KAR 63:020]
      (1) Hydrogen chloride emissions: 0.768 tpy;
      (2) Phenol emissions: 3.737 tpy; and
      (3) Chloroform emissions: 0.776 tpy

   d. To preclude the applicability of 401 KAR 52:020, Title V permits, for any combination of fuels, emissions of sulfur dioxide (SO_2) from emission units 001, 002, and 003 shall not exceed 90.0 tons per year during any twelve (12) consecutive month period. [401 KAR 52:030, Section 10]

   Compliance Demonstration Method:

   a. In order to make the conditional major PM, PM_{10}, $PM_{2.5}$ emission limit practically enforceable, the permittee shall continue to use particulate control devices and comply with respective monitoring, record keeping and reporting requirements specified in **Section B**.

   b. In order to make the conditional major VOC and HAP emission limits practically enforceable, the permittee has voluntarily requested production limits at emission units 013 and 017. See **Section B**.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

c. The permittee shall monitor and record monthly and twelve (12) consecutive month total throughput rates and emission rates (tons of VOC; individual HAPs including dichloromethane, hydrochloric acid, chloroform and phenol; and combined HAPs) from all units in Section B and Section C.

d. The permittee shall monitor and record monthly and the twelve (12) consecutive month emission rates (tons of PM/PM_{10}/$PM_{2.5}$) from all units in Section B and Section C.

When calculating the emission rate for an operation utilizing a control system, the permittee may apply the control efficiency value for a pollutant as determined by the most recent performance test(s) approved by the Division or as specified by the manufacturer.

Actual Emissions (tons per year) of PM_{10} =

$$\sum_{i=1}^{12}([PR]\times[EF]\times[1\text{-}CE])_i$$

Where,

i = 1, 2,…11, 12 months, where the actual calendar months used in the compliance calculation are specific to each 12-month compliance period;

PR = Processing Rate for each of emission unit in $\left(\frac{\text{mmscf}}{\text{month}}\right)$, $\left(\frac{\text{1000 gallon}}{\text{month}}\right)$, or $\left(\frac{\text{tons}}{\text{month}}\right)$

EF = Emission Factor for PM_{10} in $\left(\frac{\text{lbs}}{\text{mmscf}}\right)$, $\left(\frac{\text{lbs}}{\text{1000 gallon}}\right)$, or $\left(\frac{\text{lbs}}{\text{ton}}\right)$

CE = Control efficiency (for each baghouse or cartridge filter) at each emission unit.

Note: All emission calculations shall be based on emission factors acquired from U.S. AP-42 or from other emission factors approved by the Division as provided by the permittee.

e. The permittee shall monitor monthly and twelve (12) consecutive month total fuel oil (No. 2, No. 4, and No. 6) and natural gas usage rates and sulfur dioxide (SO_2) emission rates (tons) for each of emission units 001, 002, and 003 and calculate the monthly and twelve (12) consecutive month total emission rates (tons of SO_2) for emission units 001, 002, and 003.

Actual Emissions (tons per year) of SO_2 =

$$\sum_{i=1}^{12}\left(\frac{[NG_B\times EF]+[FO2_B\times EF\times S\%]+[FO4_B\times EF\times S\%]+[FO6_B\times EF\times S\%]}{2000(\text{lb/ton})}\right)_i$$

Where,

i = 1, 2,…11, 12 months, where the actual calendar months used in the compliance calculation are specific to each 12-month compliance period;

NG_B = Usage of Natural Gas (SCC Units = mmscf) for boilers;

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

$FO2_B$ = Usage of No. 2 Fuel Oil (SCC Units = 1,000 gallons) for boilers;
$FO4_B$ = Usage of No. 4 Fuel Oil (SCC Units = 1,000 gallons) for boilers;
$FO6_B$ = Usage of No. 6 Fuel Oil (SCC Units = 1,000 gallons) for boilers;
EF = Emission Factor for SO_2 (lbs/SCC unit).

Note: All emission calculations shall be based on emission factors acquired from U.S. AP-42 or from other emission factors approved by the Division as provided by the permittee.

4. Source Reporting Requirements:
   a. The permittee shall report to the Regional Office listed on the front of the permit in accordance with **Section F.5** and **F.6** the following:
      (1) Monthly and twelve (12) consecutive month total throughput rates and emission rates (tons of VOC, individual HAPs, including dichloromethane, hydrochloric acid and phenol and combined HAPs) from emission units in Section B and C;
      (2) Monthly and twelve (12) consecutive month total emission rates (tons of PM/PM_{10}/ $PM_{2.5}$) from emission units in Section B and C; and
      (3) Monthly and twelve (12) consecutive month total emission rates (tons of SO_2) from emission units 001, 002, and 003.

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, Frankfort Regional Office, 300 Sower Boulevard, 1st Floor, Frankfort, KY 40601.

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

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

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

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

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

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

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

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

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

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 52:030, Section 7(1)].

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

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

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

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

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

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

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

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

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

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 52:030, 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-24-069).

5. Testing Requirements

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

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

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

6. Acid Rain Program Requirements

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

7. Emergency Provisions

a. Pursuant to 401 KAR 52:030, Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
(1) An emergency occurred and the permittee can identify the cause of the emergency;
(2) The permitted facility was at the time being properly operated;

SECTION G - GENERAL PROVISIONS (CONTINUED)

(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
(4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (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.

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