

# ASHEVILLE-BUNCOMBE AIR QUALITY AGENCY

## AIR QUALITY PERMIT

Until such time as this permit expires or is modified or revoked, the below named Permittee is authorized to operate, as outlined in Part I, "Air Quality Title V Operation Permit", and to construct and operate, as outlined in Part II, "Air Quality Construction and Operation Permit", the emission source(s) and associated air pollution control device(s) specified herein, in accordance with the terms, conditions, and limitations within this permit. This permit is issued under the provisions of the Asheville-Buncombe Air Quality Agency Air Quality Code (AB Air Quality Code) and is subject to all requirements therein.

Pursuant to the AB Air Quality Code Chapter 17, the Permittee shall not construct, operate, or modify any emission source(s) or air pollution control device(s) without having first submitted a complete Air Quality Permit Application to the Asheville-Buncombe Air Quality Agency and received an Air Quality Permit, except as provided in this permit.

**Permittee:**

**Freudenberg Performance  
Materials**

**Facility ID:**

**11-805**

**Facility Site Location:**

**1301 Sand Hill Road**

**City, State, Zip:**

**Enka, NC 28728**

**Facility Mailing Address:**

**P.O. Box 1057**

**City, State, Zip:**

**Enka, NC 28728**

**Permit Number:**

**11-805-19A**

**Replaces Permit Number:**

**11-805-19**

**Issue Date:**

**July 11, 2024**

**Effective Date:**

**July 11, 2024**

**Renewal Application Due Date:**

**June 3, 2024**

**Expiration Date:**

**November 30, 2024**



---

**Ashley Featherstone, Director**

## **TABLE OF CONTENTS**

### **PART I - AIR QUALITY TITLE V OPERATION PERMIT**

SECTION 1 - PERMITTED EMISSION SOURCE(S) AND ASSOCIATED AIR  
POLLUTION CONTROL DEVICE(S)

SECTION 2 - SPECIFIC CONDITIONS AND LIMITATIONS

2.1 - Emission Source Specific Conditions and Limitations

2.2 - Multiple Emission Source Specific Conditions and Limitations

SECTION 3 - GENERAL CONDITIONS AND LIMITATIONS

### **ATTACHMENTS**

ATTACHMENT 1 - LIST OF INSIGNIFICANT ACTIVITIES

ATTACHMENT 2 - LIST OF ACRONYMS

## PART I - AIR QUALITY TITLE V OPERATION PERMIT

The Asheville-Buncombe Air Quality Agency (AB Air Quality), the United States Environmental Protection Agency (EPA), and citizens as defined under the Federal Clean Air Act have the authority to enforce the terms, conditions, and limitations contained in Part I of this permit unless otherwise specified.

Under AB Air Quality Code Chapter 17, the operation of emission source(s) and associated air pollution control device(s) listed in Part I of this permit is based on plans, specifications, operating parameters, and other information as submitted in the Air Quality Permit Application.

### SECTION 1 - PERMITTED EMISSION SOURCE(S) AND ASSOCIATED AIR POLLUTION CONTROL DEVICE(S)

The following table contains a summary of all permitted emission sources and associated air pollution control devices:

Emission Source ID	Emission Source Description	Control Device ID	Control Device Description
M-1	One synthetic fiber extrusion and winding process with a maximum process weight rate of 1,693 pounds per hour when utilizing nylon and polyester and 1,000 pounds per hour when utilizing polypropylene and polyester	FH-2	One packed bed scrubber equipped with a chevron style demister referred to by the facility as a filter house
M-2	One synthetic fiber extrusion and winding process with a maximum process weight rate of 1,058 pounds per hour of nylon and polyester combined	FH-1	One monomer mist elimination system referred to by the facility as the filter house
M-3	One synthetic fiber extrusion and winding process with a maximum process weight rate of 1,058 pounds per hour of nylon and polyester combined	FH-1	One monomer mist elimination system referred to by the facility as the filter house
M-4	One synthetic fiber extrusion and winding process with a maximum process weight rate of 1,285 pounds per hour of nylon and polyester combined	FH-1	One monomer mist elimination system referred to by the facility as the filter house
M-5	One synthetic fiber extrusion and winding process with a maximum process weight rate of 1,270 pounds per hour when utilizing nylon and polyester and 955 pounds per hour when utilizing polypropylene and polyester	FH-2	One packed bed scrubber equipped with a chevron style demister referred to by the facility as a filter house
F-1	One Flamenco non-woven fleecing unit (Unit 1) utilizing a 6.0 MM Btu/hr air heater fired on natural gas with propane backup	NA	NA

Emission Source ID	Emission Source Description	Control Device ID	Control Device Description
F-2	One Flamenco non-woven fleecing unit (Unit 2) utilizing a 10.4 MM Btu/hr air heater fired on natural gas with propane backup	NA	NA
G-1	One geo-synthetic fabric extrusion line with a maximum rated capacity of 550 pounds per hour when utilizing nylon, and 451 pounds per hour when utilizing polypropylene as the raw material	NA	NA
G-2	One geo-synthetic fabric extrusion line with a maximum rated capacity of 550 pounds per hour when utilizing nylon, and 451 pounds per hour when utilizing polypropylene as the raw material	NA	NA
G-3	One geo-synthetic fabric extrusion line with a maximum rated capacity of 60 pounds per hour when utilizing nylon, and 49 pounds per hour when utilizing polypropylene as the raw material	NA	NA
G-4	One geo-synthetic fabric extrusion line with a maximum rated capacity of 550 pounds per hour when utilizing nylon, and 451 pounds per hour when utilizing polypropylene as the raw material	NA	NA
G-5	One geo-synthetic fabric extrusion line with a maximum rated capacity of 1,800 pounds per hour when utilizing nylon, and 1,476 pounds per hour when utilizing polypropylene as the raw material	MC-5	One electrostatic mist collector
G-6	One geo-synthetic fabric extrusion line with a maximum rated capacity of 60 pounds per hour when utilizing nylon, and 49 pounds per hour when utilizing polypropylene as the raw material	NA	NA
G-RES*	One geo-synthetic fabric extrusion line with a maximum rated capacity of 30 pounds per hour when utilizing nylon, and 25 pounds per hour when utilizing polypropylene as the raw material	NA	NA
ESPB-1	One 18.8 MMBtu/hr Hurst Series 500 natural gas / No. 2 fuel oil boiler with Industrial Combustion Model DLG-210P Low NOx Burner	NA	NA

Emission Source ID	Emission Source Description	Control Device ID	Control Device Description
ESPB-2	One 18.8 MMBtu/hr Hurst Series 500 natural gas / No. 2 fuel oil boiler with Industrial Combustion Model DLG-210P Low NOx Burner	NA	NA
GEN-1**	One diesel fired emergency generator with a rated output capacity of 20 kW	NA	NA
GEN-2**	One diesel fired emergency generator with a rated output capacity of 200 kW	NA	NA

\*Because this source is subject to a PSD avoidance condition, it is being listed as a permitted source rather than an insignificant activity, so that requirements can be listed in the permit.

\*\* Because this source is subject to a MACT standard, it is being listed as a permitted source rather than an insignificant activity.

## SECTION 2 - SPECIFIC CONDITIONS AND LIMITATIONS

### 2.1 - Emission Source Specific Conditions and Limitations

The emission source(s) and associated air pollution control device(s) listed below are subject to the following specific terms, conditions, and limitations, including the testing, monitoring, recordkeeping, and reporting requirements as specified herein:

#### A. Emission Source ID M-1, M-2, M-3, M-4, M-5

The following table provides a summary of limits and standards for the emission source referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Volatile organic compounds	Less than 247 tons VOC per consecutive 12-month period (see Subsection 2.2)	AB Air Quality Code 4.0530
Particulate matter	$E = 4.10(P)^{0.67}$ , where E = allowable emission rate in pounds per hour and P = process weight rate in tons per hour	AB Air Quality Code 4.0515
Visible emissions	20 percent opacity	AB Air Quality Code 4.0521

#### 1. AB Air Quality CODE 4.0515 - PARTICULATES FROM MISCELLANEOUS INDUSTRIAL PROCESSES

##### a. Emission Limitation/Standard [AB Air Quality Code 4.0515(a) & 17.0508(b)]

Emissions of particulate matter from these sources shall not exceed an allowable emission rate as calculated by the following equation:

$$E = 4.10(P)^{0.67} \quad \text{Where } E = \text{allowable emission rate in pounds per hour} \\ P = \text{process weight in tons per hour.}$$

##### b. Testing [AB Air Quality Code 4.2609]

No testing is required at this time, however AB Air Quality reserves the right to require

appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2609 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(A)(1)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0515.

- c. **Monitoring** [AB Air Quality Code 17.0508(f)]  
Particulate matter emissions from these sources shall be controlled by the associated scrubbers, Filter Houses FH-1 and FH-2. To assure compliance with the limitation given in Section 2.1(A)(1)(a) above, the Permittee shall perform inspections and maintenance as recommended by the manufacturer. In addition to the manufacturer's inspection and maintenance recommendations, or if there are no manufacturer's inspection and maintenance recommendations, at a minimum, the inspection and maintenance requirement shall include the following:

- i. Monitor the pressure drop across the filter media at least once per month;
- ii. An annual (for each 12 month period following the initial inspection) internal inspection of the scrubber system. As a minimum, the annual internal inspection will include inspection of spray nozzles, packing material, and the cleaning/calibration of all associated instrumentation annually.

The Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0515 if the scrubber systems are not inspected and maintained.

- d. **Recordkeeping** [AB Air Quality Code 17.0508(f)]  
The results of inspection and maintenance shall be maintained in a logbook (written or electronic format) on-site and made available to an authorized AB Air Quality representative upon request. The logbook shall record the following:

- i. The date and time of each recorded action;
- ii. The results of each inspection;
- iii. The results of any maintenance performed on the scrubbers; and
- iv. Variance from manufacturer's recommendations, if any, and corrections made.

The Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0515 if these records are not maintained.

- e. **Reporting** [AB Air Quality Code 17.0508(f)]  
The Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

Additionally, the Permittee shall submit the results of any maintenance performed on the scrubbers within 30 days of a written request by AB Air Quality.

## 2. AB Air Quality CODE 4.0521 - CONTROL OF VISIBLE EMISSIONS

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0521(d) & 17.0508(b)]  
Visible emissions from these sources shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.

- b. Testing** [AB Air Quality Code 4.2610]  
No testing is required at this time, however AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2610 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(A)(2)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0521.
- c. Monitoring** [AB Air Quality Code 17.0508(f)]  
To assure compliance with the limitation given in Section 2.1(A)(2)(a) above, once per month the Permittee shall observe the emission points of these sources for any visible emissions above normal. The Permittee shall establish "normal" for these sources in the first 30 days following the effective date of the permit. If visible emissions from these sources are observed to be above normal, the Permittee shall either: (a) take appropriate action to correct the above-normal emissions as soon as practicable and within the monitoring period and record the action taken as provided in the recordkeeping requirements below, or (b) demonstrate that the percent opacity from the emission points of these sources in accordance with AB Air Quality Code 4.2610 (Method 9) for 12 minutes is below the limit given in Section 2.1(A)(2)(a) above. If the above-normal emissions are not corrected per (a) above, or if the demonstration in (b) above cannot be made, the Permittee shall be deemed to be in noncompliance with AB Air Quality Code 4.0521.
- d. Recordkeeping** [AB Air Quality Code 17.0508(f)]  
Records (written or electronic format) of the above monitoring shall be maintained onsite and made available to an authorized AB Air Quality representative upon request. The records shall include the following:
- i. The date and time of each recorded action;
  - ii. The results of each observation and/or test noting the source with emissions that were observed to be in noncompliance along with any corrective actions taken to reduce visible emissions; and
  - iii. The results of any corrective actions performed.
- The Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0521 if these records are not maintained.
- e. Reporting** [AB Air Quality Code 17.0508(f)]  
The Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

**B. Emission Source ID F-1, F-2**

The following table provides a summary of limits and standards for the emission source referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Sulfur dioxide	2.3 pounds per million BTU heat input	AB Air Quality Code 4.0516
Visible emissions	20 percent opacity	AB Air Quality Code 4.0521

Volatile organic compounds	Less than 250 tons VOC per consecutive 12-month period (see Subsection 2.2)	AB Air Quality Code 4.0530
----------------------------	---	----------------------------

**1. AB Air Quality CODE 4.0516 - SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0516 & 17.0508(b)]  
When combusting natural gas, emissions of sulfur dioxide from F-1 and F-2 shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.
- b. **Testing** [AB Air Quality Code 4.2611]  
No testing is required at this time; however, AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2611 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(B)(2)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0516.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the combustion of natural gas in F-1 and F-2.

**2. AB Air Quality CODE 4.0521 - CONTROL OF VISIBLE EMISSIONS**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0521(d) & 17.0508(b)]  
When combusting natural gas, visible emissions from F-1 and F-2 shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.
- b. **Testing** [AB Air Quality Code 4.2610]  
No testing is required at this time; however, AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2610 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(B)(3)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0521.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for visible emissions from the combustion of natural gas in this source.

**C. Emission Source ID G-1, G-2, G-3, G-4, G-5, G-6, G-RES**

The following table provides a summary of limits and standards for the emission source referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Particulate matter	$E = 4.10(P)^{0.67}$ , where E = allowable emission rate in pounds per hour and P = process weight rate in tons per hour	AB Air Quality Code 4.0515
Visible emissions	20 percent opacity	AB Air Quality Code 4.0521



Volatile organic compounds	Less than 250 tons VOC per consecutive 12-month period (see Subsection 2.2)	AB Air Quality Code 4.0530
----------------------------	---	----------------------------

**1. AB Air Quality CODE 4.0515 - PARTICULATES FROM MISCELLANEOUS INDUSTRIAL PROCESSES**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0515(a) & 17.0508(b)]  
Emissions of particulate matter from these sources shall not exceed an allowable emission rate as calculated by the following equation:

$$E = 4.10(P)^{0.67} \quad \text{Where } E = \text{allowable emission rate in pounds per hour}$$

$$P = \text{process weight in tons per hour.}$$

- b. **Testing** [AB Air Quality Code 4.2609]  
No testing is required at this time; however AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2609 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(C)(1)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0515.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for particulate matter emissions from these sources, however the AB Air Quality reserves the right to require appropriate monitoring at a later date.

**2. AB Air Quality CODE 4.0521 - CONTROL OF VISIBLE EMISSIONS**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0521(d) & 17.0508(b)]  
Visible emissions from these sources shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.
- b. **Testing** [AB Air Quality Code 4.2610]  
No testing is required at this time; however, AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2610 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(C)(2)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0521.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for visible emissions from these sources; however the AB Air Quality reserves the right to require appropriate monitoring at a later date.

**D. Emission Source ID ESPB-1 and ESPB-2**

The following table provides a summary of limits and standards for the emission sources referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Particulate matter	0.42 pounds per million BTU heat input	AB Air Quality Code 4.0503
Sulfur dioxide	0.5 weight percent sulfur content for oil	AB Air Quality Code 4.0524 (40 CFR Part 60, Subpart Dc)
Hazardous air pollutants	Best Management Practices, including tune ups and an energy assessment (only applicable if ESPB-1 or ESPB-2 operate on fuel oil other than during periods of gas curtailment, gas supply emergencies, startup, or for periodic testing not to exceed 48 hours during any calendar year)	AB Air Quality Code 4.1111 (40 CFR Part 63, Subpart JJJJJ)
Sulfur dioxide	2.3 pounds per million BTU heat input	AB Air Quality Code 4.0516
Visible emissions	20 percent opacity	AB Air Quality Code 4.0521
Volatile organic compounds	Less than 250 tons VOC per consecutive 12-month period (see Subsection 2.2)	AB Air Quality Code 4.0530

**1. AB Air Quality CODE 4.0503 - PARTICULATES FROM FUEL BURNING INDIRECT HEAT EXCHANGERS**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0503(a) & 17.0508(b)]  
Emissions of particulate matter from ESPB-1 and ESPB-2 shall not exceed 0.42 pounds per million Btu heat input.
- b. **Testing** [AB Air Quality Code 4.2609]  
No testing is required at this time; however AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2609 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(E)(1)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0503.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for particulate emissions from the combustion of natural gas, propane or No. 2 fuel oil in this source.

**2. AB Air Quality CODE 4.0524 - NEW SOURCE PERFORMANCE STANDARDS**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0524(a) & 17.0508(b)]  
As specified in §60.42c(d) of 40 CFR Part 60, no oil shall be combusted in this source that contains greater than 0.5 weight percent sulfur.
- b. **Testing** [AB Air Quality Code 4.0524(a) & 4.2610]  
Compliance and performance test methods and procedures for sulfur dioxide
  - i. In accordance with 60.42c(h)(1), distillate oil-fired boilers with heat input capacities between 10 and 100 million BTU per hour may determine compliance with the fuel oil sulfur limits based on a certification from the fuel supplier, as described under 60.48c(f).

- ii. In accordance with 60.44c(h), if compliance with the sulfur dioxide standards is based on fuel supplier certification, the performance test shall consist of the certification from the fuel supplier, as described under 60.48c(f), as applicable.

**c. Monitoring** [AB Air Quality Code 4.0524(a) & 17.0508(f)]

Compliance and performance test methods and procedures for sulfur dioxide

- i. In accordance with §60.46c(e), the monitoring requirements of this section shall not apply where compliance with the sulfur dioxide standards is based on fuel supplier certification, as described under §60.48c(f), as applicable.

**d. Recordkeeping and Reporting** [AB Air Quality Code 4.0524(a) & 17.0508(f)]

- i. In accordance with §60.48c(f)(1), fuel supplier certification for distillate oil shall include the following information:
  - The name of the oil supplier
  - A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c
  - The sulfur content of the oil
- ii. In accordance with 60.48c(g)(2), the facility shall record and maintain records of the amounts of oil combusted during each month.
- iii. In accordance with §60.48c(i), the facility shall maintain all records required under this section for a period of two years following the date of such record.
- iv. In accordance with §60.48c(j), the reporting period for the reports required is each six-month period. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. The Permittee shall submit the reports by January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified.

**3. AB Air Quality CODE 4.1111 - MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY**

**a. Emission Limitation/Standard** [AB Air Quality Code 4.1111(a) & 17.0508(b)]

Should ESPB-1 or ESPB-2 operate on fuel oil other than during periods of gas curtailment, gas supply emergencies, startup, or for periodic testing not to exceed 48 hours during any calendar year, the affected boiler(s) shall be operated in accordance with WNCRA Code 4.1111 - "Maximum Achievable Control Technology" and 40 CFR Part 63 - "National Emission Standards for Hazardous Air Pollutants for Source Categories." The requirements are stated in 40 CFR Part 63, Subpart A - "General Provisions," and 40 CFR Part 63, Subpart JJJJJ - "National Emission Standards for Area Sources: Industrial, Commercial, and Institutional Boilers." Once a boiler becomes subject to Subpart JJJJJ (by switching to fuel oil), compliance must be achieved within 180 days of the date of the fuel switch. [63.11210(h)].

**b. Standard/Management Practices** [AB Air Quality Code 4.1111(a) & 17.0508(b)]

- i. General Duty Clause - At all times the affected source, including associated air pollution control equipment and monitoring equipment, must be operated and maintained in a manner

consistent with safety and good air pollution control practices for minimizing emissions.  
[63.11205(a)]

ii. Energy Assessment - A one-time energy assessment performed by a qualified energy assessor (as defined in 63.11237) is required. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in Table 2 of the subpart satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation appropriate for the on-site technical hours listed in 63.11237 [63.11201(b), 63.11214(c) and Table 2]:

- A visual inspection of the boiler system;
- An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints;
- A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
- A list of major energy conservation measures that are within the facility's control;
- A list of the energy savings potential of the energy conservation measures identified; and
- A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

iii. Boiler Tune-up - After the initial tune-up for ESPB-1 and ESPB-2, biennial tune-ups are required. Each tune-up shall be conducted no more than 25 months after the previous tune-up. After the initial tune-up for boilers which have an oxygen trim system, tune-ups are required every 5 years. Each tune-up shall be conducted no more than 61 months after the previous tune-up. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup. The tune-up shall include the following [63.11201(b), 63.11223(b) and (c)]:

- As applicable, inspect the burner, and clean or replace any components of the burner as necessary. This inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 36 months, except for boilers with an oxygen trim system, each burner must be inspected at least once every 72 months.
- Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
- Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. This inspection may be delayed until the next scheduled unit shutdown, but each burner must be inspected at least once every 36 months, except for boilers with an oxygen trim system, each burner must be inspected at least once every 72 months.
- Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.

- Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made.
- Maintain onsite a biennial report containing:
  - 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 the boiler;
  - A description of any corrective actions taken as a part of the tune-up of the boiler; and
  - The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

**c. Notification and Reporting Requirements [AB Air Quality Code 4.1111(a) &17.0508(f)]**

- i. An Initial Notification must be submitted within 120 days after the source becomes subject to the standard. [40 CFR 63.9(b) and 40 CFR 63.11225(a)(2)]
- ii. A Notification of Compliance Status must be submitted no later than 120 days after the applicable compliance date. The notification must include the following certifications of compliance and be signed by a responsible official [63.11225(a)(4)]:
  - That the facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of the boiler;
  - That the facility has had an energy assessment performed according to 63.11214(c); and
  - That no secondary materials that are solid waste were combusted in the affected unit.

The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). (Note: In accordance with AB Air Quality Code 4.0605 – “General Recordkeeping and Reporting Requirements,” if AB Air Quality is not notified automatically via CEDRI that the Notification of Compliance Status has been submitted to EPA, or if the notification is not readily accessible to AB Air Quality via CEDRI, the facility may be required to notify AB Air Quality that the notification has been submitted and/or to provide a copy of the notification to AB Air Quality.)

- iii. If a tune-up has been performed, an Annual Compliance Certification Report (covering the year of the tune-up) must be prepared by March 1 of the following year. The report must be submitted upon request. The report include the following [63.11225(b)(1-2)]:
  - The company name and address;
  - A statement by a responsible official -- with the official's name, title, phone number, e-mail address, and signature -- certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The notification must include the following certifications of compliance, as applicable, and signed by a responsible official:
    - “This facility complies with the requirements in 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler.”

- “No secondary materials that are solid waste were combusted in any affected unit.”

iv. If the Permittee intends to switch fuels, and this fuel switch may result in the applicability of Subpart JJJJJJ or a switch out of Subpart JJJJJJ due to a switch to 100 percent natural gas, the Permittee must provide 30 days prior notice of the date of the fuel switch. The notification must identify [63.11225(g)]:

- The name of the owner or operator of the affected source, the location of the source, the boiler(s) that will switch fuels, and the date of the notice;
- The date upon which you will commence the fuel switch.

**d. Recordkeeping Requirements** [AB Air Quality Code 4.1111(a) &17.0508(f)]

- i. Keep copies of all required notifications and reports. [40 CFR 63.11225(c)(1)]
- ii. Maintain records to document conformance with the work practices and management practices [63.11225(c)(2)]:
  - Tune-up records identifying each boiler, the date of the tune-up, the procedures followed for the tune-up, and the manufacturer’s specifications to which the boiler was tune;
  - For each boiler required to conduct an energy assessment, a copy of the energy assessment report.
- iii. Maintain malfunction records:
  - Records of the occurrence and duration of each malfunction of the boiler. [40 CFR 63.11225(c)(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)]
- iv. Record Retention - Keep each record for 5 years following the date of each recorded action. [40 CFR 63.11225(d)]

**4. AB Air Quality CODE 4.0516 - SULFUR DIOXIDE EMISSIONS FROM COMBUSTION SOURCES**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0516 & 17.0508(b)]  
Emissions of sulfur dioxide from these sources shall not exceed 2.3 pounds per million Btu heat input. Sulfur dioxide formed by the combustion of sulfur in fuels, wastes, ores, and other substances shall be included when determining compliance with this standard.
- b. **Testing** [AB Air Quality Code 4.2611]  
No testing is required at this time; however, AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2611 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(F)(2)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0516.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for sulfur dioxide emissions from the

combustion of natural gas, propane, or No. 2 fuel oil in these sources.

**5. AB Air Quality CODE 4.0521 - CONTROL OF VISIBLE EMISSIONS**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0521(d) & 17.0508(b)]  
Visible emissions from this source shall not be more than 20 percent opacity when averaged over a six-minute period. However, six-minute averaging periods may exceed 20 percent not more than once in any hour and not more than four times in any 24-hour period. In no event shall the six-minute average exceed 87 percent opacity.
- b. **Testing** [AB Air Quality Code 4.2610]  
No testing is required at this time; however, AB Air Quality reserves the right to require appropriate testing at a later date. If emission testing is required, the testing shall be performed in accordance with AB Air Quality Code 4.2610 and General Condition JJ. If the results of this testing are above the limit given in Section 2.1(F)(3)(a) above, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0521.
- c. **Monitoring/Recordkeeping/Reporting** [AB Air Quality Code 17.0508(f)]  
No monitoring/recordkeeping/reporting is required for visible emissions from the combustion of natural gas or No. 2 fuel oil in these sources.

**E. Emission Source ID GEN-1 and GEN-2**

The following table provides a summary of limits and standards for the emission sources referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Hazardous air pollutants	Work practice standards	AB Air Quality Code 4.1111 (40 CFR Part 63, Subpart ZZZZ)

**1. AB Air Quality CODE 4.1111 - MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY**

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.1111 and 40 CFR 63 Subpart ZZZZ]  
The Permittee shall comply with all applicable provisions, including the requirements for emission limitations, testing, monitoring, record keeping, notification, and reporting, contained in AB Air Quality Code 4.1111 "Maximum Achievable Control Technology" as promulgated in 40 CFR Part 63 Subpart ZZZZ "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)" including Subpart A "General Provisions."
- b. **Operational Limitations** [AB Air Quality Code 4.1111(a) & 17.0508(b)]  
GEN-1 and GEN-2 shall be in compliance with the following operating requirements and limitations:
  - i. Change oil and filter every 500 hours or annually, whichever comes first. The Permittee has the option to utilize an oil analysis program as described below in order to extend the specified oil change requirements. [40 CFR 63.6603]
  - ii. Inspect air cleaner every 1,000 hours or annually, whichever comes first. [40 CFR 63.6603]
  - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary [40 CFR 63.6603].
  - iv. Operate and maintain the RICE and control device (if any) according to the manufacturer's emission related written instructions or maintenance plan developed by the Permittee. [40

CFR 63.6625(e)]

- v. Install non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f)]
- vi. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitation apply. [40 CFR Part 63.6625(h)]
- vii. If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs below of this condition. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs below, is prohibited. If you do not operate the engine according to the requirements in the paragraphs below, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]
  - There is no time limit on the use in emergency situations.
  - You may operate your emergency stationary RICE for any combination of the purposes specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by this condition counts as part of the 100 hours per calendar year allowed by the paragraph above.
    - 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 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.
    - Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.
    - Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
- viii. 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 this condition. Except as provided in 40 CFR 63.6640(f), 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.



ix. Exceptions: If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the above schedule, or if performing the work practice on the above schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Any failure to perform the work practice on the schedule required must be reported along with the Federal, State or local law under which the risk was deemed unacceptable. As an option, an oil analysis program as described in 40 CFR 63.6625(j) may be utilized in order to extend the specified oil change requirement. The EPA Administrator may be petitioned pursuant to the requirements of 40 CFR 63.6(g) to implement alternative work practices.

- Oil Analysis Program Requirements. If an oil analysis program is used to extend the specified oil change requirement above, the oil analysis must be performed at the same frequency specified for changing the oil in Condition 2.1(E)(1)(b). 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.

c. **Recordkeeping** [AB Air Quality Code 4.1111 & 17.0508(f)]

The following records must be maintained:

- i. Oil and filter change dates and corresponding hour on the hour meter, including data associated with the oil analysis program, if applicable;
- ii. Inspection and replacement dates for air cleaners, hoses, and belts;
- iii. Records of other emission-related repairs and maintenance performed; and
- iv. The hours of operation of the engine that is recorded through the nonresettable hour meter. The Permittee must document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response [40 CFR 63.6655(f)].

Each record must be kept 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 §63.10(b)(1).

## 2.2 - Multiple Emission Source Specific Conditions and Limitations

### A. Emission Source ID M-1, M-2, M-3, M-4, M-5, F-1, F-2, G-1, G-2, G-3, G-4, G-5, G-6, G-RES

The following table provides a summary of limits and standards for the emission sources referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Volatile organic compounds	Less than 247 tons VOC per consecutive 12-month period	AB Air Quality Code 4.0530

#### 1. AB Air Quality CODE 4.0530 - PREVENTION OF SIGNIFICANT DETERIORATION

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.0530(g) & 17.0508(b)]  
 In order to preclude applicability of AB Air Quality Code 4.0530(g) for major sources and major modifications, these sources shall discharge into the atmosphere less than 247 tons of volatile organic compounds per consecutive 12-month period. Potential VOC emissions from all combustion sources (including F-1 and F-2) are less than 3 tons per year. As such, limiting VOC emissions from the sources listed above to no more than 247 tons per year will ensure that the threshold of 250 tons per year is not exceeded.
- b. **Monitoring/Recordkeeping** [AB Air Quality Code 4.6014 & 17.0508(f)]  
 To assure compliance with the limitation given in Section 2.2(A)(1)(a) above, the Permittee shall calculate VOC emissions monthly as the sum of each consecutive 12-month period. Calculations and the total amount of VOC emissions shall be recorded monthly in a logbook (written or electronic format). If the required monitoring is not conducted or the records are not maintained, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0530. Additionally, the Permittee shall be deemed in noncompliance with AB Air Quality Code 4.0530 if the VOC emissions exceed the limitation given in Section 2.2(A)(1)(a) above.
- c. **Reporting** [AB Air Quality Code 17.0508(f)]  
 The Permittee shall submit a summary report of monitoring and recordkeeping activities postmarked on or before January 30 of each calendar year for the preceding six-month period between July and December and July 30 of each calendar year for the preceding six-month period between January and June. All instances of deviations from the requirements of this permit must be clearly identified. The semiannual report shall include the following additional information: Monthly VOC emissions for the previous 12 months and the consecutive 12 month sum for each of the six-month periods during the previous 12 months.

#### B. Facility Wide

The following table provides a summary of limits and standards for the emission sources referenced above:

Regulated Pollutant	Limits / Standards	Applicable Regulation
Odorous emissions	Local enforceable only: Odorous emissions must be controlled	AB Air Quality Code 4.1806
Toxic air pollutants	Local enforceable only: Emission point parameters	AB Air Quality Code 17.0700

#### 1. AB Air Quality CODE 4.1806 - CONTROL AND PROHIBITION OF ODOROUS EMISSIONS (LOCAL-ENFORCEABLE ONLY)

- a. **Emission Limitation/Standard** [AB Air Quality Code 4.1806(e) & 17.0508(b)]

The Permittee shall not operate the facility without implementing management practices or installing and operating odor control equipment sufficient to prevent odorous emissions from the facility from causing or contributing to objectionable odors beyond the facility's boundary.

**2. AB Air Quality CODE 17.0700 - TOXIC AIR POLLUTANT PROCEDURES (LOCAL-ENFORCEABLE ONLY)**

Pursuant to AB Air Quality Code 17.0700 and 4.1100, an application for a toxic air pollutant compliance demonstration has been submitted and approved. The compliance demonstration is detailed in the table below.

Reviewed Toxic Air Pollutant (TAP)	CAS No.	Toxic Permitting Emission Rate (TPER)	Compliance Demonstration Method	
			Actual Emission Rate Below TPER?	Air Dispersion Modeling Conducted?
Benzene	71-43-2	8.1 lb/yr	Yes	No
Benzo(a)pyrene	50-32-8	2.2 lb/yr	Yes	No
Formaldehyde	50-00-0	0.04 lb/hr	Yes	No
Hexane, n-	110-54-3	23 lb/day	Yes	No
Toluene	108-88-3	98 lb/day & 14.4 lb/hr	Yes	No

All toxics are emitted by combustion sources (boilers, dryers, crystallizers, and fleecing units). The review is based on actual emissions while combusting the primary fuel, natural gas.

### SECTION 3 - GENERAL CONDITIONS AND LIMITATIONS

This section describes terms and conditions applicable to this Title V facility.

(A) **General Provisions** [NCGS 143-215 and AB Air Quality Code 17.0508(i)(16)]

- (1) Terms not otherwise defined in this permit shall have the meaning assigned to such terms as defined in AB Air Quality Code Chapters 4 and 17.
- (2) The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to NCGS 143-215.114A and 143-215.114B, including assessment of civil and/or criminal penalties. Any unauthorized deviation from the conditions of this permit may constitute grounds for revocation and/or enforcement action by AB Air Quality.
- (3) This permit is not a waiver of or approval of any other permits that may be required for other aspects of the facility which are not addressed in this permit.
- (4) This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted facility, or from penalties therefore, nor does it allow the Permittee to cause pollution in contravention of local laws or rules, unless specifically authorized by an order from AB Air Quality.
- (5) Except as identified as local-only requirements in this permit, all terms and conditions contained herein shall be enforceable by AB Air Quality, the EPA, and citizens of the United States as defined in the Federal Clean Air Act.
- (6) Any stationary source of air pollution shall not be operated, maintained, or modified without the appropriate and valid permits issued by AB Air Quality, unless the source is exempted by rule. AB Air Quality may issue a permit only after it receives reasonable assurance that the installation will not cause air pollution in violation of any of the applicable requirements. A permitted installation may only be operated, maintained, constructed, expanded, or modified in a manner that is consistent with the terms of this permit.

(B) **Permit Availability** [AB Air Quality Code 17.0507(k) and 17.0508 (i)(9)(B)]

The Permittee shall have available at the facility a copy of this permit and shall retain for the duration of the permit term one complete copy of the application and any information submitted in support of the application package. The permit and application shall be made available to an authorized representative of AB Air Quality upon request.

(C) **Severability Clause** [AB Air Quality Code 17.0508(i)(2)]

In the event of an administrative challenge to a final and binding permit in which a condition is held to be invalid, the provisions in this permit are severable so that all requirements contained in the permit, except those held to be invalid, shall remain valid and must be complied with.

(D) **Submissions** [AB Air Quality Code 17.0507(e) and 17.0508(i)(16)]

Except as otherwise specified herein, one copy of all documents, reports, test data, monitoring data, notifications, request for renewal, and any other information required by this permit shall be submitted to AB Air Quality.

(E) **Duty to Comply** [AB Air Quality Code 17.0508(i)(3)]

The Permittee shall comply with all terms, conditions, requirements, limitations and restrictions set forth in this permit. Noncompliance with any permit condition except conditions identified as local-only requirements constitutes a violation of the Federal Clean Air Act. Noncompliance with any permit condition is grounds for enforcement action, for permit termination, revocation and reissuance,

or modification, or for denial of a permit renewal application.

(F) **Circumvention** - LOCAL ENFORCEABLE ONLY

The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air pollution control device(s) and appurtenances.

(G) **Permit Modifications**

- (1) Administrative Permit Amendments [AB Air Quality Code 17.0514]  
The Permittee shall submit an application for an administrative permit amendment in accordance with AB Air Quality Code 17.0514.
- (2) Transfer of Ownership or Operation [AB Air Quality Code 17.0524 and 17.0505]  
The Permittee shall submit an application for an ownership change in accordance with AB Air Quality Code 17.0524 and 17.0505.
- (3) Minor Permit Modifications [AB Air Quality Code 17.0515]  
The Permittee shall submit an application for a minor permit modification in accordance with AB Air Quality Code 17.0515.
- (4) Significant Permit Modifications [AB Air Quality Code 17.0516]  
The Permittee shall submit an application for a significant permit modification in accordance with AB Air Quality Code 17.0516.
- (5) Reopening for Cause [AB Air Quality Code 17.0517]  
The Permittee shall submit an application for reopening for cause in accordance with AB Air Quality Code 17.0517.

(H) **Changes Not Requiring Permit Modifications**

- (1) Reporting Requirements  
Any of the following that would result in new or increased emissions from the emission source(s) listed in Section 1 must be reported to the AB Air Quality:
  - (a) Changes in the information submitted in the application;
  - (b) Changes that modify equipment or processes; or
  - (c) Changes in the quantity or quality of materials processed.

If appropriate, modifications to the permit may then be made by the AB Air Quality to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

- (2) Section 502(b)(10) Changes [AB Air Quality Code 17.0523(a)]
  - (a) "Section 502(b)(10) changes" means changes that contravene an express permit term or condition. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
  - (b) The Permittee may make Section 502(b)(10) changes without having the permit revised if:
    - (i) The changes are not a modification under Title I of the Federal Clean Air Act;

- (ii) The changes do not cause the allowable emissions under the permit to be exceeded;
  - (iii) The Permittee notifies the Director and EPA with written notification at least seven days before the change is made; and
  - (iv) The Permittee shall attach the notice to the relevant permit.
- (c) The written notification shall include:
- (i) A description of the change;
  - (ii) The date on which the change will occur;
  - (iii) Any change in emissions; and
  - (iv) Any permit term or condition that is no longer applicable as a result of the change.
- (d) Section 502(b)(10) changes shall be made in the permit the next time the permit is revised or renewed, whichever comes first.
- (3) Off Permit Changes [AB Air Quality Code 17.0523(b)]  
The Permittee may make changes in the operation or emissions without revising the permit if:
- (a) The change affects only insignificant activities and the activities remain insignificant after the change; or
  - (b) The change is not covered under any applicable requirement.
- (4) Emissions Trading [AB Air Quality Code 17.0523(c)]  
To the extent that emissions trading is allowed under AB Air Quality Code Chapter 4, including subsequently adopted maximum achievable control technology standards, emissions trading shall be allowed without permit revision pursuant to AB Air Quality Code 17.0523(c).

**(I.A) Reporting Requirements for Excess Emissions** [AB Air Quality Code 4.0535(f) and 17.0508(f)(2)]

- (1) “Excess Emissions” - means an emission rate that exceeds any applicable emission limitation or standard allowed by any rule in Sections .0500, .0900, .1200, or .1400 of Chapter 4; or by a permit condition; or that exceeds an emission limit established in a permit issued under AB Air Quality Code 17.0700. (*Note: Definitions of excess emissions under 4.1110 and 4.1111 shall apply where defined by rule.*)
- (2) If a source is required to report excess emissions under NSPS (AB Air Quality Code 4.0524), NESHAPs (AB Air Quality Code 4.1110 or 4.1111), or the operating permit provides for periodic (e.g., quarterly) reporting of excess emissions, reporting shall be performed as prescribed therein.
- (3) If the source is not subject to NSPS (AB Air Quality Code 4.0524), NESHAPs (AB Air Quality Code 4.1110 or 4.1111), or these rules do NOT define “excess emissions,” the Permittee shall report excess emissions in accordance with AB Air Quality Code 4.0535 as follows:
  - (a) Pursuant to AB Air Quality Code 4.0535, if excess emissions last for more than four hours resulting from a malfunction, a breakdown of process or control equipment, or any other abnormal condition, the owner or operator shall:
    - (i) Notify the Director of any such occurrence by 9:00 a.m. Eastern Time of the Agency’s

next business day of becoming aware of the occurrence and provide:

- Name and location of the facility;
- Nature and cause of the malfunction or breakdown;
- Time when the malfunction or breakdown is first observed;
- Expected duration; and
- Estimated rate of emissions;

(ii) Notify the Director immediately when corrective measures have been accomplished; and

(iii) Submit to the Director within 15 days a written report as described in AB Air Quality Code 4.0535(f)(3);

**(I.B) Other Requirements for Permit Deviations [AB Air Quality Code 4.0535(f) and 17.0508(f)(2)]**

- (1) "Permit Deviations" - for the purpose of this condition, any action or condition not in accordance with the terms and conditions of this permit including those attributable to upset conditions, as well as excess emissions as defined above lasting less than four hours.
- (2) Pursuant to AB Air Quality Code 17.0508(f)(2), the Permittee shall report deviations from permit requirements (terms and conditions) by notifying the Director of all other deviations from permit requirements not covered under AB Air Quality Code 4.0535 quarterly. A written report to the Director shall include the probable cause of such deviation and any corrective actions or preventative actions taken. The responsible official shall certify all deviations from permit requirements.

**(I.C) Other Requirements under AB Air Quality Code 4.0535**

The Permittee shall comply with all other applicable requirements contained in AB Air Quality Code 4.0535, including 4.0535(c), as follows:

- (1) Any excess emissions that do not occur during start-up and shut-down shall be considered a violation of the appropriate rule unless the owner or operator of the sources demonstrates to the Director, that the excess emissions are a result of a malfunction. The Director shall consider, along with any other pertinent information, the criteria contained in AB Air Quality Code 4.0535(c)(1) through (7).
- (2) AB Air Quality Code 4.0535(g). Excess emissions during start-up and shut-down shall be considered a violation of the appropriate rule if the owner or operator cannot demonstrate that excess emissions are unavoidable.

**(J) Emergency Provisions [40 CFR 70.6(g)]**

The Permittee shall be subject to the following provisions with respect to emergencies:

- (1) An emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the facility, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (2) An emergency constitutes an affirmative defense to an action brought for noncompliance with

such technology-based emission limitations if the conditions specified in (3) below are met.

- (3) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that include information as follows:
  - (a) An emergency occurred and the Permittee can identify the cause(s) of the emergency;
  - (b) The permitted facility was at the time being properly operated;
  - (c) During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the standards or other requirements in the permit; and
  - (d) The Permittee submitted notice of the emergency to AB Air Quality within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- (4) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (5) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein.

**(K) Permit Renewal** [AB Air Quality Code 17.0508(e) and 17.0513(b)]

This permit is issued for a fixed term not to exceed five years and shall expire at the end of its term. Permit expiration terminates the facility's right to operate unless a complete renewal application is submitted at least six months before the date of permit expiration. If the Permittee or applicant has complied with AB Air Quality Code 17.0512(b)(1), this AB Air Quality Code 17.0500 permit shall not expire until the renewal permit has been issued or denied. Permit expiration under AB Air Quality Code 17.0400 terminates the facility's right to operate unless a complete AB Air Quality Code 17.0400 renewal application is submitted at least six months before the date of permit expiration for facilities subject to 15A NCAC 2Q .0400 requirements. In either of these events, all terms and conditions of this permit shall remain in effect until the renewal permit has been issued or denied.

**(L) Need to Halt or Reduce Activity Not a Defense** [AB Air Quality Code 17.0508(i)(4)]

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**(M) Duty to Provide Information (submittal of information)** [AB Air Quality Code 17.0508(i)(9)]

- (1) The Permittee shall furnish to AB Air Quality, in a timely manner, any reasonable information that the Director may request in **writing** to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.
- (2) The Permittee shall furnish AB Air Quality copies of records required to be kept by the permit when such copies are requested by the Director. For information claimed to be confidential, the Permittee may furnish such records directly to the EPA upon request along with a claim of confidentiality.

**(N) Duty to Supplement** [AB Air Quality Code 17.0507(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 AB Air Quality. The Permittee shall also provide additional information as necessary to address any requirement that becomes applicable to the facility after the date a complete permit application was submitted but prior to the release of the draft permit.



- (O) **Retention of Records** [AB Air Quality Code 17.0508(f) and 17.0508(l)]  
The Permittee shall retain records of all required monitoring data and supporting information for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring information, and copies of all reports required by the permit. These records shall be maintained in a form suitable and readily available for expeditious inspection and review. Any records required by the conditions of this permit shall be kept on site and made available to an authorized AB Air Quality representative for inspection upon request.
- (P) **Compliance Certification** [AB Air Quality Code 17.0508(n)]  
The Permittee shall submit to AB Air Quality and the EPA (Air and EPCRA Enforcement Branch, EPA, Region 4, 61 Forsyth Street, Atlanta, GA 30303) postmarked on or before **January 30** a compliance certification (for the preceding calendar year) by a responsible official with all federally enforceable terms and conditions in the permit, including emissions limitations, standards, or work practices. It shall be the responsibility of the current owner to submit a compliance certification for the entire year regardless of who owned the facility during the year. The compliance certification shall comply with additional requirements as may be specified under Sections 114(a)(3) or 504(b) of the Federal Clean Air Act. The compliance certification shall specify:
- (1) The identification of each term or condition of the permit that is the basis of the certification;
  - (2) The compliance status (with the terms and conditions of the permit for the period covered by the certification);
  - (3) Whether compliance was continuous or intermittent; and
  - (4) The method(s) used for determining the compliance status of the source during the certification period.
- (Q) **Certification by Responsible Official** [AB Air Quality Code 17.0520]  
A responsible official shall certify the truth, accuracy, and completeness of any application form, report, or compliance certification required by this permit. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (R) **Permit Shield for Applicable Requirements** [AB Air Quality Code 17.0512]
- (1) Compliance with the terms and conditions of this permit shall be deemed compliance with applicable requirements, where such applicable requirements are included and specifically identified in the permit as of the date of permit issuance.
  - (2) A permit shield shall not alter or affect:
    - (a) The power of the Director under AB Air Quality Code 1.0102(a)(12), or EPA under Section 303 of the Federal Clean Air Act;
    - (b) The liability of an owner or operator of a facility for any violation of applicable requirements prior to the effective date of the permit or at the time of permit issuance;
    - (c) The applicable requirements under Title IV; or
    - (d) The ability of the Director or the EPA under Section 114 of the Federal Clean Air Act to obtain information to determine compliance of the facility with its permit.
  - (3) A permit shield does not apply to any change made at a facility that does not require a permit or permit revision made under AB Air Quality Code 17.0523.

(4) A permit shield does not extend to minor permit modifications made under AB Air Quality Code 17.0515.

(S) **Termination, Modification, and Revocation of the Permit** [AB Air Quality Code 17.0519]  
The Director may terminate, modify, or revoke and reissue this permit if:

- (1) The information contained in the application or presented in support thereof is determined to be incorrect;
- (2) The conditions under which the permit or permit renewal was granted have changed;
- (3) Violations of conditions contained in the permit have occurred;
- (4) The EPA requests that the permit be revoked under 40 CFR 70.7(g) or 70.8(d); or
- (5) The Director finds that termination, modification, or revocation and reissuance of the permit is necessary to carry out the purpose of NCGS Chapter 143, Article 21B.

(T) **Insignificant Activities** [AB Air Quality Code 17.0503]

Because an emission source or activity is insignificant does not mean that the emission source or activity is exempted from any applicable requirement or that the owner or operator of the source is exempted from demonstrating compliance with any applicable requirement. The Permittee shall have available at the facility at all times and made available to an authorized AB Air Quality representative upon request, documentation, including calculations, if necessary, to demonstrate that an emission source or activity is insignificant.

(U) **Property Rights** [AB Air Quality Code 17.0508(i)(8)]

This permit does not convey any property rights in either real or personal property or any exclusive privileges.

(V) **Inspection and Entry** [AB Air Quality Code 17.0508(l) and 1.0104(d)]

- (1) Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow AB Air Quality, or an authorized representative, to perform the following:
  - (a) Enter the Permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records are kept under the conditions of the permit;
  - (b) Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
  - (c) Inspect, at reasonable times and using reasonable safety practices, any source, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (d) Sample or monitor substances or parameters, using reasonable safety practices, for the purpose of assuring compliance with the permit or applicable requirements at reasonable times.

Nothing in this condition shall limit the ability of the EPA to inspect or enter the premises of the Permittee under Section 114 or other provisions of the Federal Clean Air Act.

- (2) No person shall refuse entry or access to any authorized representative of AB Air Quality who requests entry for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such authorized representative while in the process

of carrying out his or her official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

(W) **Annual Fee Payment** [AB Air Quality Code 17.0508(i)(10)]

- (1) The Permittee shall pay all fees in accordance with AB Air Quality Code 17.0200.
- (2) Payment of fees may be by check or money order made payable to the Asheville-Buncombe Air Quality Agency. Annual permit fee payments shall refer to the permit number.
- (3) If, within 30 days after being billed, the Permittee fails to pay an annual fee, the Director may initiate action to terminate the permit under AB Air Quality Code 17.0519.

(X) **Annual Emission Inventory Requirements** [AB Air Quality Code 17.0207]

The Permittee shall report by **June 30 of each year** the actual emissions of each air pollutant listed in AB Air Quality Code 17.0207(a) from each emission source within the facility during the previous calendar year. The report shall be in or on such forms as may be established by the Director. The accuracy of the report shall be certified by a responsible official of the facility.

(Y) **Confidential Information** [AB Air Quality Code 17.0107 and 17.0508(i)(9)]

Whenever the Permittee submits information under a claim of confidentiality pursuant to AB Air Quality Code 17.0107, the Permittee may also submit a copy of all such information and claim directly to the EPA upon request. All requests for confidentiality must be in accordance with AB Air Quality Code 17.0107.

(Z) **Construction and Operation Permits** [AB Air Quality Code 17.0100 and 17.0300]

A construction and operating permit shall be obtained by the Permittee for any proposed new or modified facility or emission source that is not exempted from having a permit prior to the beginning of construction or modification, in accordance with all applicable provisions of AB Air Quality Code 17.0100 and 17.0300.

(AA) **Standard Application Form and Required Information** [AB Air Quality Code 17.0505 and 17.0507]

The Permittee shall submit applications and required information in accordance with the provisions of AB Air Quality Code 17.0505 and 17.0507.

(BB) **Financial Responsibility and Compliance History** [AB Air Quality Code 17.0507(d)(4)]

AB Air Quality may require an applicant to submit a statement of financial qualifications and/or a statement of substantial compliance history.

(CC) **Refrigerant Requirements (Stratospheric Ozone and Climate Protection)** [AB Air Quality Code 17.0501(e)]

- (1) If the Permittee has appliances or refrigeration equipment, including air conditioning equipment, which use Class I or II ozone-depleting substances such as chlorofluorocarbons and hydrochlorofluorocarbons listed as refrigerants in 40 CFR Part 82, Subpart A, Appendices A and B, the Permittee shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.
- (2) The Permittee shall not knowingly vent or otherwise release any Class I or II substance into the environment during the repair, servicing, maintenance, or disposal of any such device, except as provided in 40 CFR Part 82, Subpart F.
- (3) The Permittee shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the EPA or its designee as required.

- (DD) **Prevention of Accidental Releases - Section 112(r)** [AB Air Quality Code 17.0508(h)]  
If the Permittee is required to develop and register a Risk Management Plan with EPA pursuant to Section 112(r) of the Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.
- (EE) **National Emission Standards Asbestos – 40 CFR Part 61, Subpart M** [AB Air Quality Code 4.1110]  
The Permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements of 40 CFR Part 61, Subpart M. The permittee shall not be required to obtain a modification of this permit in order to perform the referenced activities.
- (FF) **Title IV Allowances** [AB Air Quality Code 17.0508(i)(1)]  
This permit does not limit the number of Title IV allowances held by the Permittee, but the Permittee may not use allowances as a defense to noncompliance with any other applicable requirement. The Permittee's emissions may not exceed any allowances that the facility lawfully holds under Title IV of the Federal Clean Air Act.
- (GG) **Air Pollution Emergency Episode** [AB Air Quality Code 4.0300]  
Should the Director declare an Air Pollution Emergency Episode, the Permittee will be required to operate in accordance with the Permittee's previously approved Emission Reduction Plan or, in the absence of an approved plan, with the appropriate requirements specified in AB Air Quality Code 4.0300.
- (HH) **Registration of Air Pollution Sources** [AB Air Quality Code 4.0202]  
The Director may require the Permittee to register a source of air pollution. If the Permittee is required to register a source of air pollution, this registration and required information will be in accordance with AB Air Quality Code 4.0202(b).
- (II) **Ambient Air Quality Standards** [AB Air Quality Code 4.0501(c)]  
In addition to any control or manner of operation necessary to meet emission standards specified in this permit, any source of air pollution shall be operated with such control or in such manner that the source shall not cause the ambient air quality standards in AB Air Quality Code 4.0400 to be exceeded at any point beyond the premises on which the source is located. When controls more stringent than named in the applicable emission standards in this permit are required to prevent violation of the ambient air quality standards or are required to create an offset, the permit shall contain a condition requiring these controls.
- (JJ) **General Emissions Testing and Reporting Requirements** [AB Air Quality Code 17.0508(i)(16)]  
Emission compliance testing shall be by the procedures of AB Air Quality Code 4.2600, except as may be otherwise required in AB Air Quality Code 4.0524, 4.1110, or 4.1111. If emissions testing is required by this permit or AB Air Quality or if the Permittee submits emissions testing to the DAQ to demonstrate compliance for emission sources subject to 4.0524, 4.1110, or .41111, the Permittee shall provide and submit all notifications, conduct all testing, and submit all test reports in accordance with the requirements of in AB Air Quality Code 4.0524, 4.1110, or .41111, as applicable. Otherwise, if emissions testing is required by this permit or AB Air Quality or if the Permittee submits emissions testing to AB Air Quality to demonstrate compliance, the Permittee shall perform such testing in accordance with AB Air Quality Code 4.2600 and follow the procedures outlined below:
- (1) The owner or operator of the source shall arrange for air emission testing protocols to be provided to the Director prior to air pollution testing. Testing protocols are not required to be pre-approved by the Director prior to air pollution testing. The Director shall review air emission testing protocols for pre-approval prior to testing if requested by the owner or operator at least **45 days** before conducting the test.
  - (2) Any person proposing to conduct an emissions test to demonstrate compliance with an applicable

standard shall notify the Director at least **15 days** before beginning the test so that the Director may at his option observe the test.

- (3) The owner or operator of the source shall arrange for controlling and measuring the production rates during the period of air testing. The owner or operator of the source shall ensure that the equipment or process being tested is operated at the production rate that best fulfills the purpose of the test. The individual conducting the emission test shall describe the procedures used to obtain accurate process data and include in the test report the average production rates determined during each testing period.
- (4) One copy of the final air emission test report shall be submitted to the Director not later than **30 days** after sample collection unless otherwise specified in the specific conditions. The owner or operator may request an extension to submit the final test report. The Director shall approve an extension request if he finds that the extension request is a result of actions beyond the control of the owner or operator.
  - (a) The Director shall make the final determination regarding any testing procedure deviation and the validity of the compliance test. The Director may:
    - (i) Allow deviations from a method specified under a rule in this Section if the owner or operator of the source being tested demonstrates to the satisfaction of the Director that the specified method is inappropriate for the source being tested.
    - (ii) Prescribe alternate test procedures on an individual basis when he finds that the alternative method is necessary to secure more reliable test data.
    - (iii) Prescribe or approve methods on an individual basis for sources or pollutants for which no test method is specified in this Section if the methods can be demonstrated to determine compliance of permitted emission sources or pollutants.
  - (b) The Director may authorize the AB Air Quality to conduct independent tests of any source subject to a rule in this Subchapter to determine the compliance status of that source or to verify any test data submitted relating to that source. Any test conducted by the AB Air Quality using the appropriate testing procedures described in AB Air Quality Code 4.2600 has precedence over all other tests.

**(KK) Reopening for Cause** [AB Air Quality Code 17.0517]

- (1) A permit shall be reopened and revised under the following circumstances:
  - (a) Additional applicable requirements become applicable to a facility with remaining permit term of three or more years;
  - (b) Additional requirements (including excess emission requirements) become applicable to a source covered by Title IV;
  - (c) The Director or EPA finds 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; or
  - (d) The Director or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (2) Any permit reopening shall be completed or a revised permit issued within 18 months after the applicable requirement is promulgated. No reopening is required if the effective date of the requirement is after the expiration of the permit term unless the term of the permit was extended

pursuant to AB Air Quality Code 17.0513(c).

- (3) Except for the local enforceable only portion of the permit, the procedures set out in AB Air Quality Code 17.0507, 17.0521, or 17.0522 shall be followed to reissue the permit. If the local enforceable only portion of the permit is reopened, the procedures in AB Air Quality Code 17.0300 shall be followed. The proceedings shall affect only those parts of the permit for which cause to reopen exists.
- (4) The Director shall notify the Permittee at least 60 days in advance of the date that the permit is to be reopened, except in cases of imminent threat to public health or safety the notification period may be less than 60 days.
- (5) Within 90 days, or 180 days if the EPA extends the response period, after receiving notification from the EPA that a permit needs to be terminated, modified, or revoked and reissued, the Director shall send to the EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate.

(LL) **Reporting Requirements for Non-Operating Equipment** [AB Air Quality Code 17.0508(i)(16)]  
The Permittee shall maintain a record of operation for permitted equipment, noting whenever the equipment is taken from and placed into operation. When permitted equipment is not in operation, the requirements for testing, monitoring, and recordkeeping are suspended until operation resumes.

(MM) **Fugitive Dust Control Requirement** [AB Air Quality Code 4.0540] - LOCAL ENFORCEABLE ONLY

As required by AB Air Quality Code 4.0540 "Particulates from Fugitive Dust Emission Sources," the Permittee shall not cause or allow fugitive dust emissions to cause or contribute to substantive complaints or excess visible emissions beyond the property boundary. If substantive complaints or excessive fugitive dust emissions from the facility are observed beyond the property boundaries for six minutes in any one hour (using Reference Method 22 in 40 CFR, Appendix A), the owner or operator may be required to submit a fugitive dust plan as described in AB Air Quality Code 4.0540(g). "Fugitive dust emissions" means particulate matter that does not pass through a process stack or vent and that is generated within plant property boundaries from activities such as: unloading and loading areas, process areas, stockpiles, stock pile working, plant parking lots, and plant roads (including access roads and haul roads).

(NN) **Specific Permit Modifications** [AB Air Quality Code 17.0501 and 17.0523]

- (1) For modifications made pursuant to AB Air Quality Code 17.0501(c)(2), the Permittee shall file a Title V Air Quality Permit Application for the air emission source(s) and associated air pollution control device(s) on or before 12 months after commencing operation.
- (2) For modifications made pursuant to AB Air Quality Code 17.0501(d)(2), the Permittee shall not begin operation of the air emission source(s) and associated air pollution control device(s) until a Title V Air Quality Permit Application is filed and a construction and operation permit following the procedures of AB Air Quality Code 17.0500 (except for AB Air Quality Code 17.0504) is obtained.
- (3) For modifications made pursuant to 502(b)(10), in accordance with AB Air Quality Code 17.0523(a)(1)(C), the Permittee shall notify the Director and EPA (EPA Region 4 - Air Planning Branch, 61 Forsyth St., Atlanta, GA 30303) in writing at least seven days before the change is made. The written notification shall include:
  - (a) A description of the change at the facility;
  - (b) The date on which the change will occur;
  - (c) Any change in emissions; and

(d) Any permit term or condition that is no longer applicable as a result of the change.

In addition to this notification requirement, with the next significant modification or Air Quality Permit renewal, the Permittee shall submit a page "E5" of the application forms signed by the responsible official verifying that the application for the 502(b)(10) change/modification, is true, accurate, and complete. Further note that modifications made pursuant to 502(b)(10) do not relieve the Permittee from satisfying preconstruction requirements

(OO) **Third Party Participation and EPA Review** [AB Air Quality Code 17.0521, 17.0522 and 17.0525(7)]

For permits modifications subject to 45-day review by the federal Environmental Protection Agency (EPA), EPA's decision to not object to the proposed permit is considered final and binding on the EPA and absent a third party petition, the failure to object is the end of EPA's decision-making process with respect to the revisions to the permit. The time period available to submit a public petition pursuant to 15A NCAC 2Q .0518 begins at the end of the 45-day EPA review period.

## ATTACHMENT 1

**List of Insignificant Activities Under AB Air Quality Code 17.0503(8)**

<b>Emission Source ID</b>	<b>Emission Source Description</b>	<b>Control Device ID</b>	<b>Control Device Description</b>
BER-1	One Berringer electric burn-off oven	NA	One wet scrubber
DRY 1 & 2	Two 0.64 MM Btu/hr Conair dryers fired on natural gas with propane backup	NA	NA
CRST-2	One 0.64 MM Btu/hr Conair crystallizer fired on natural gas with propane backup	NA	NA
DRY-4	One Conair dryer with a maximum heat input capacity of 0.64 MM Btu/hr, fired on natural gas with propane backup	NA	NA
CRST-5	One crystallizer with a maximum heat input capacity of 0.35 MM Btu/hr, fired on natural gas with propane backup	NA	NA
DRY-5	One Dryer with a maximum heat input capacity of 0.5 MM Btu/hr, fired on natural gas with propane backup	NA	NA
ETC-1	One edge trim collection system	B-1	One baghouse with 339 square feet of filter area
PST	One 10,000 gallon aboveground propane storage tank	NA	NA
POLY-CHIP, POLY-CHIP-2	Two polyester and nylon chip handling systems	NA	Numerous dust collectors and a cyclone, all vented indoors
GLUE	One glue press	NA	NA
LIN-1	One Lindberg electric burn-off oven	NA	NA
TANKS1-2	Two 15,000 gallon No. 2 fuel oil tanks and supply systems	NA	NA
CHILL	Three (3) chillers with a total capacity of approximately 1,500 tons	NA	NA
PYRO OVEN	One pyrolytic polymer cleaning oven	NA	One catalytic afterburner
R&D LAB	One Research and Development Laboratory known as the "Clean Lab."	NA	NA



Emission Source ID	Emission Source Description	Control Device ID	Control Device Description
BOIL-3	One natural gas fired Hurst model cyclone hot water boiler with a maximum rated input of 2.5 million Btu/hr	NA	NA
FINISH	One finish Storage Area	NA	NA
TRANSFER	Pneumatic nylon transfer operation	NA	One vacuum system dust collector
ENKA-CHIP	Enkamat Chip Handling Area	NA	NA
STEEL-1, STEEL-2	Two Steelman burn-off ovens with a maximum heat input capacity of 0.5 MMBtu/hr, fired on natural gas	NA	NA
AEROSOL	One aerosol can recycling unit	NA	NA
INKJET	Two ink jet printers utilized for printing labels on the geo-synthetic lines	NA	NA

## ATTACHMENT 2

**LIST OF ACRONYMS**

<b>AOS</b>	Alternate Operating Scenario
<b>BACT</b>	Best Available Control Technology
<b>BTU</b>	British Thermal Unit
<b>CAM</b>	Compliance Assurance Monitoring
<b>CEMS</b>	Continuous Emission Monitoring System
<b>COMS</b>	Continuous Opacity Monitoring System
<b>CFR</b>	Code of Federal Regulations
<b>CAA</b>	Clean Air Act
<b>EPA</b>	Environmental Protection Agency
<b>FR</b>	Federal Register
<b>GACT</b>	Generally Available Control Technology
<b>HAP</b>	Hazardous Air Pollutant
<b>MACT</b>	Maximum Achievable Control Technology
<b>NCGS</b>	North Carolina General Statutes
<b>NESHAPs</b>	National Emission Standards for Hazardous Air Pollutants
<b>NO<sub>x</sub></b>	Nitrogen Oxides
<b>NSPS</b>	New Source Performance Standard
<b>PM</b>	Particulate Matter
<b>PM<sub>10</sub></b>	Particulate Matter with Nominal Aerodynamic Diameter of 10 Micrometers or Less
<b>PM<sub>2.5</sub></b>	Particulate Matter with Nominal Aerodynamic Diameter of 2.5 Micrometers or Less
<b>POS</b>	Primary Operating Scenario
<b>PSD</b>	Prevention of Significant Deterioration
<b>SIC</b>	Standard Industrial Classification
<b>SIP</b>	State Implementation Plan
<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>TPY</b>	Tons Per Year
<b>VOC</b>	Volatile Organic Compound
<b>AB Air Quality</b>	Asheville-Buncombe Air Quality Agency