

ADEQ
DRAFT
MINOR SOURCE
AIR PERMIT

Permit No. : 0686-AR-6

IS ISSUED TO:

Ayrshire Electronics, LLC
1101 South Beechwood Avenue
Fayetteville, AR 72701
Washington County
AFIN: 72-00007

THIS PERMIT IS THE ABOVE REFERENCED PERMITTEE'S AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND THE APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 *ET SEQ.*) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

Mike Bates
Chief, Air Division

Date

Ayrshire Electronics, LLC

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List of Acronyms and Abbreviations

| | |
|------------------|---|
| A.C.A. | Arkansas Code Annotated |
| AFIN | ADEQ Facility Identification Number |
| CFR | Code of Federal Regulations |
| CO | Carbon Monoxide |
| HAP | Hazardous Air Pollutant |
| lb/hr | Pound Per Hour |
| No. | Number |
| NO _x | Nitrogen Oxide |
| PM | Particulate Matter |
| PM ₁₀ | Particulate Matter Smaller Than Ten Microns |
| SO ₂ | Sulfur Dioxide |
| Tpy | Tons Per Year |
| UTM | Universal Transverse Mercator |
| VOC | Volatile Organic Compound |

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Section I: FACILITY INFORMATION

PERMITTEE: Ayrshire Electronics, LLC
AFIN: 72-00007
PERMIT NUMBER: 0686-AR-6
FACILITY ADDRESS: 1101 South Beechwood Avenue
Fayetteville, AR 72701
MAILING ADDRESS: 1101 South Beechwood Avenue
Fayetteville, AR 72701
COUNTY: Washington County
CONTACT NAME: Tim Pearce
CONTACT POSITION: V.P. of Engineering
TELEPHONE NUMBER: 479-684-2313
REVIEWING ENGINEER: Joseph Hurt
UTM North South (Y): Zone 15: 3990344.27 m
UTM East West (X): Zone 15: 393156.06 m

Section II: INTRODUCTION

Summary of Permit Activity

Ayrshire Electronics, LLC owns and operates a facility which manufactures printed circuit boards. This permit modification is issued to address a proposed Consent Administrative Order. During the facility's last inspection, it was discovered that the facility had installed additional sources without first obtaining a permit. SN-03, SN-09, and SN-14 were previously used for potting, touch-ups, and machine coating, respectively. These activities are no longer in operation at the facility, however the facility has now relocated these existing stacks to accommodate the exhaust requirements from the wave solder machine and reflow oven that were installed. SN-03 and SN-14 are now used as wave solder exhausts, whereas SN-09 is now used as a reflow oven exhaust. There are no permitted emission changes with this modification.

Process Description

Wave Solder and Aqueous Cleaning (SN-03, SN-10 – SN-14, & SN-16)

The wave solder and aqueous cleaning operation is the process where the printed circuit boards are moved over a pot of molten solder which forms a solder connection between the copper pads on the boards and the through hole component leads. First, the pre-heater and solder pot (SN-03, SN-11, SN-14) temperatures are set. Then the printed circuit boards are placed on the conveyor. Once on the conveyor, the boards move across a foam fluxer. Flux is applied to the bottom of the boards, which removes oxides that may have formed on the copper pads. Then the boards move through the pre-heaters to prepare them for the thermal shock of the high solder pot temperatures. Then the boards move across the solder pot and the solder connection is formed. After wave soldering, the boards move through the aqueous washer (SN-12 and SN-16) where the excess flux and any dirt or oil is removed by a combination of hot water and detergent washes and cold-water rinses. Once every week the solder pot is cleaned. This operation is done after hours while the wave solder machine is shut down. The solder pot is removed from the machine. A portable exhaust booth (SN-13) is then set in place over the pot to control lead fumes. The cleaning operation takes approximately two (2) hours.

Occasionally, customers require that certain boards be pre-heated prior to wave soldering. These boards are pre-heated in a Koch oven (SN-10) located in the Conformal Coating Area.

Surface Mount Reflow Soldering (SN-04, SN-09, & SN-15)

Surface mount assembly is the process of automatically placing electronic components directly onto the surface of the printed circuit boards and attaching them to the board using the reflow soldering process. First the tin/lead solder paste is screened onto the printed circuit board. The electronic components are automatically placed onto the board, and then boards move into the reflow oven. The reflow oven heats the board above the melting point of the solder so that the component leads form a bond with the copper pads on the printed circuit board. The assembly is then cleaned and blown dry.

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Conformal Coating – Dipping, Spraying, and Curing (SN-05 – SN-07)

Conformal coating is the process of applying an acrylic or silicone coating on the printed circuit board to provide electrical insulation and to protect the board from dirt, oils, and moisture. First, the coating is diluted with thinner. The ratio of coating to thinner is determined by temperature, humidity, and method of application. Once the coating is diluted it is applied to the printed circuit board, primarily by dipping. Sometimes, depending on the customer’s specifications, the printed circuit will be sprayed. Currently, less than 5% of the boards are sprayed. The dipped boards are left in a spray booth until they are dry enough to be handled.

The final operation is to cure the board. The majority of the boards are cured at room temperature. At spray booth SN-06, the curing is done inside the spray booth. At spray booth SN-05, the printed circuit boards are hung on an overhead conveyer for the final curing. The old Cincinnati Cleaning Machine (SN-07) is used only as an exhaust chamber to capture any VOC that might flash out of the boards during their final cure. Some boards, depending on customer requirements, are further cured inside a heated room. This room has no exhausts to atmosphere.

Regulations

The following table contains the regulations applicable to this permit.

| Regulations |
|--|
| Arkansas Air Pollution Control Code, Regulation 18, effective January 25, 2009 |
| Regulations of the Arkansas Plan of Implementation for Air Pollution Control, Regulation 19, effective July 18, 2009 |

Total Allowable Emissions

The following table is a summary of emissions from the facility. This table, in itself, is not an enforceable condition of the permit.

| TOTAL ALLOWABLE EMISSIONS | | |
|---------------------------|----------------|-------|
| Pollutant | Emission Rates | |
| | lb/hr | tpy |
| VOC | 46.2 | 24.9 |
| Single HAP | 45.00 | 9.50 |
| Total HAP | 45.00 | 24.90 |

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Section III: PERMIT HISTORY

Permit No. 0686-A was issued to Baldwin Piano and Organ Co. (BPOC) on July 23, 1982. This was the initial permit for the facility. Permit limits were: 0.5 tpy of VOC.

Permit No. 0686-AR-1 was issued to Baldwin Piano and Organ Company on January 24, 1990. Permit limits were 0.026 tpy of PM, 10.81 tpy of VOC, 0.006 tpy HCl, 0.21 tpy of NH₃, and 0.012 tpy of Cl₂.

Permit No. 0686-AR-2 was issued to Baldwin Piano and Organ Company on September 13, 1991. Thirteen sources were listed. Permit limits were: VOC - 9.81 tpy, PM - 0.05 tpy, and NH₃ - 0.012 tpy.

Permit No. 0686-AR-3 was issued to Baldwin Piano and Organ Company on September 21, 1994. Fifteen sources were listed. Permit limits were: VOC - 39.56 tpy and PM - 0.001 tpy.

Permit No. 0686-AR-4 was issued to Baldwin Piano and Organ Company on November 19, 1997. HAP limits were established for the first time in this permit. Permit limits were: VOC - 24.9 tpy, PM - 0.03 tpy, and HAP - 6.92 tpy.

Permit No. 0686-AR-5 was issued to Baldwin Piano and Organ Company on August 26, 2003. This permit modification was issued to allow the installation of a new electronic convection oven (insignificant activity), to allow the installation of a new wave solder machine, and to allow the automatic solder machine previously used in brazing interrupters units to be relocated to the Surface Mount assembly area. There were no increases in emission limits. Compliance with the non-criteria pollutant strategy was clarified with the permit.

Section IV: EMISSION UNIT INFORMATION

Specific Conditions

- The permittee shall not exceed the emission rates set forth in the following table.
 [Regulation 19, §19.501 et seq., and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

| SN | Description | Pollutant | lb/hr | Tpy |
|----------|-------------------------------|-----------|-------|------|
| Facility | Plantwide Allowable Emissions | VOC | - | 24.9 |
| 03 | Wave Solder | VOC | 2.8 | - |
| 05 | Conformal Coating | VOC | 15.0 | - |
| 06 | Conformal Coating | VOC | 15.0 | - |
| 07 | Conformal Coating Curing | VOC | 0.8 | - |
| 11 | Wave Solders (two each) | VOC | 5.6 | - |
| 12 | Wave Solder Wash | VOC | 0.6 | - |
| 13 | Wave Solder Cleaning Hood | VOC | 0.2 | - |
| 14 | Wave Solder (two each) | VOC | 5.6 | - |
| 16 | Wave Solder Wash | VOC | 0.6 | - |

- The permittee shall not exceed the emission rates set forth in the following table.
 [Regulation 18, §18.801 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

| SN | Description | Pollutant | lb/hr | Tpy |
|----------|-------------------------------|------------|-------|-------|
| Facility | Plantwide Allowable Emissions | Single HAP | - | 9.50 |
| | | Total HAP | - | 24.90 |
| 03 | Wave Solder | Single HAP | 2.80 | - |
| | | Total HAP | 2.80 | - |
| 05 | Conformal Coating | Single HAP | 15.00 | - |
| | | Total HAP | 15.00 | - |
| 06 | Conformal Coating | Single HAP | 15.00 | - |
| | | Total HAP | 15.00 | - |
| 07 | Conformal Coating Curing | Single HAP | 0.80 | - |
| | | Total HAP | 0.80 | - |
| 11 | Wave Solders (two each) | Single HAP | 5.60 | - |
| | | Total HAP | 5.60 | - |
| 13 | Wave Solder Cleaning Hood | Single HAP | 0.20 | - |
| | | Total HAP | 0.20 | - |
| 14 | Wave Solder (two each) | Single HAP | 5.60 | - |
| | | Total HAP | 5.60 | - |

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3. The permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303. [Regulation 18, §18.801 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
4. The permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne. [Regulation 18, §18.901 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
5. The permittee shall not emit more than 24.9 tons of volatile organic compounds per rolling 12-month period. [Regulation 19, §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
6. The permittee shall not use any wave solder washing material that contains any HAPs at sources SN-12 and SN-16. Material Safety Data Sheets or equivalent documentation showing the total VOC and HAP content shall be maintained on-site to demonstrate compliance with this specific condition. [Regulation 18, §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
7. The permittee shall maintain monthly records to demonstrate compliance with Specific Condition # 5. The permittee shall update the records by the fifteenth day of the month following the month to which the records pertain. The 12-month rolling total and each individual month's data shall be kept on-site and made available to Department personnel upon request. [Regulation 19, §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
8. The permittee shall not use any HAP-containing materials at this facility which do not meet the requirements of the following table. This permit condition does not apply to the MDI since it is a 250 molecular weight near solid with very low volatility. [Regulation 18, §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

| Minimum Allowable TLV of Each HAP (milligrams per cubic meter) | Maximum Allowable Individual HAP Content As Applied (% by weight) |
|---|--|
| 71.60 | 8.00 |
| 62.65 | 7.00 |
| 53.70 | 6.00 |
| 44.75 | 5.00 |
| 35.80 | 4.00 |
| 26.85 | 3.00 |
| 17.90 | 2.00 |
| 13.42 | 1.50 |
| 8.95 | 1.00 |

| Minimum Allowable TLV of Each HAP (milligrams per cubic meter) | Maximum Allowable Individual HAP Content As Applied (% by weight) |
|---|--|
| 4.47 | 0.50 |
| 2.23 | 0.25 |

Note: Intermediate values can be obtained by interpolation of the above table or using the following formula.

$$\text{Minimum HAP TLV} \left(\frac{\text{mg}}{\text{m}^3} \right) = \frac{\left(X \frac{\text{lb}}{\text{gal}} \right) \times \left(71.6 \frac{\text{mg}}{\text{m}^3} \right)}{8.0 \frac{\text{lb}}{\text{gal}}}$$

Where: X lb/gal = the intermediate HAP content lb/gal as applied.

9. The permittee shall not use any materials with a total VOC or HAP content which exceeds 8.00 lb/gal as applied. Material Safety Data Sheets or equivalent documentation and calculations showing the total VOC and HAP content as applied shall be maintained on-site to demonstrate compliance with this specific condition. [§18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
10. The permittee shall not emit more than 9.50 tons of any single HAP from this facility in any consecutive 12-month period. [§18.801 of Regulation 18, §19.405(B) of Regulation 19, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
11. The permittee shall not emit more than 24.9 tons of all HAPs combined from this facility in any consecutive 12-month period. [§18.801 of Regulation 18, §19.405(B) of Regulation 19, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
12. The permittee shall maintain monthly records to demonstrate compliance with Specific Conditions # 10 and # 11. The permittee shall update the records by the fifteenth day of the month following the month to which the records pertain. The 12-month rolling total and each individual month's data shall be kept on-site and made available to Department personnel upon request. [§18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
13. If the calculated actual emissions of all HAPs exceed 22.5 tpy, the permittee shall demonstrate the degree of accuracy of the calculations used to determine the emissions is sufficient to prove that the major source thresholds for HAPs have not been exceeded. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

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Section V: INSIGNIFICANT ACTIVITIES

The Department deems the following types of activities or emissions as insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated March 16, 2001 and an application dated July 24, 2003.

| Description | Category |
|---|----------|
| Natural Gas Fired Hot Water Heater – 1050 K BTU/hr. | A-1 |
| Electronic Convection Oven | A-13 |
| 3 x Surface Mount Assembly (previously SN-04, SN-09, & SN-15) | A-13 |
| Koch Oven (previously SN-10) | A-13 |

Section VI: GENERAL CONDITIONS

1. Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.). Any terms or conditions included in this permit that specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.
2. This permit does not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated under the Act. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
3. The permittee shall notify the Department in writing within thirty (30) days after commencement of construction, completion of construction, first operation of equipment and/or facility, and first attainment of the equipment and/or facility target production rate. [Regulation 19, §19.704 and/or A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
4. Construction or modification must commence within eighteen (18) months from the date of permit issuance. [Regulation 19, §19.410(B) and/or Regulation 18, §18.309(B) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
5. The permittee must keep records for five years to enable the Department to determine compliance with the terms of this permit such as hours of operation, throughput, upset conditions, and continuous monitoring data. The Department may use the records, at the discretion of the Department, to determine compliance with the conditions of the permit. [Regulation 19, §19.705 and/or Regulation 18, §18.1004 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
6. A responsible official must certify any reports required by any condition contained in this permit and submit any reports to the Department at the address below. [Regulation 19, §19.705 and/or Regulation 18, §18.1004 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

Arkansas Department of Environmental Quality
Air Division
ATTN: Compliance Inspector Supervisor

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5301 Northshore Drive
North Little Rock, AR 72118-5317

7. The permittee shall test any equipment scheduled for testing, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) newly constructed or modified equipment within sixty (60) days of achieving the maximum production rate, but no later than 180 days after initial start up of the permitted source or (2) existing equipment already operating according to the time frames set forth by the Department. The permittee must notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. The permittee must submit compliance test results to the Department within thirty (30) days after the completion of testing. [Regulation 19, §19.702 and/or Regulation 18, §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
8. The permittee shall provide: [Regulation 19, §19.702 and/or Regulation 18, §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
 - a. Sampling ports adequate for applicable test methods;
 - b. Safe sampling platforms;
 - c. Safe access to sampling platforms; and
 - d. Utilities for sampling and testing equipment
9. The permittee shall operate equipment, control apparatus and emission monitoring equipment within their design limitations. The permittee shall maintain in good condition at all times equipment, control apparatus and emission monitoring equipment. [Regulation 19, §19.303 and/or Regulation 18, §18.1104 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
10. If the permittee exceeds an emission limit established by this permit, the permittee will be deemed in violation of said permit and will be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met: [Regulation 19, §19.601 and/or Regulation 18, §18.1101 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
 - a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and the permittee took all reasonable measures to immediately minimize or eliminate the excess emissions.
 - b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
 - c. The permittee must submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and

nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, the information need not be submitted again.

11. The permittee shall allow representatives of the Department upon the presentation of credentials: [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
 - a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act;
 - c. To inspect any monitoring equipment or monitoring method required in this permit;
 - d. To sample any emission of pollutants; and
 - e. To perform an operation and maintenance inspection of the permitted source.
12. The Department issued this permit in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
13. The Department may revoke or modify this permit when, in the judgment of the Department, such revocation or modification is necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated the Arkansas Water and Air Pollution Control Act. [Regulation 19, §19.410(A) and/or Regulation 18, §18.309(A) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
14. This permit may be transferred. An applicant for a transfer must submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. The Department may deny a transfer on the basis of the information revealed in the disclosure statement or other investigation or, deliberate falsification or omission of relevant information. [Regulation 19, §19.407(B) and/or Regulation 18, §18.307(B) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
15. This permit shall be available for inspection on the premises where the control apparatus is located. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

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16. This permit authorizes only those pollutant emitting activities addressed herein. [A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
17. This permit supersedes and voids all previously issued air permits for this facility. [Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]
18. The permittee must pay all permit fees in accordance with the procedures established in Regulation No. 9. [A.C.A §8-1-105(c)]
19. The permittee may request in writing and at least 15 days in advance of the deadline, an extension to any testing, compliance or other dates in this permit. No such extensions are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion in the following circumstances:
 - a. Such an extension does not violate a federal requirement;
 - b. The permittee demonstrates the need for the extension; and
 - c. The permittee documents that all reasonable measures have been taken to meet the current deadline and documents reasons it cannot be met.

[Regulation 18, §18.314(A), Regulation 19, §19.416(A), A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

20. The permittee may request in writing and at least 30 days in advance, temporary emissions and/or testing that would otherwise exceed an emission rate, throughput requirement, or other limit in this permit. No such activities are authorized until the permittee receives written Department approval. Any such emissions shall be included in the facilities total emissions and reported as such. The Department may grant such a request, at its discretion under the following conditions:
 - a. Such a request does not violate a federal requirement;
 - b. Such a request is temporary in nature;
 - c. Such a request will not result in a condition of air pollution;
 - d. The request contains such information necessary for the Department to evaluate the request, including but not limited to, quantification of such emissions and the date/time such emission will occur;
 - e. Such a request will result in increased emissions less than five tons of any individual criteria pollutant, one ton of any single HAP and 2.5 tons of total HAPs; and
 - f. The permittee maintains records of the dates and results of such temporary emissions/testing.

[Regulation 18, §18.314(B), Regulation 19, §19.416(B), A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

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21. The permittee may request in writing and at least 30 days in advance, an alternative to the specified monitoring in this permit. No such alternatives are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion under the following conditions:
 - a. The request does not violate a federal requirement;
 - b. The request provides an equivalent or greater degree of actual monitoring to the current requirements; and
 - c. Any such request, if approved, is incorporated in the next permit modification application by the permittee.

[Regulation 18, §18.314(C), Regulation 19, §19.416(C), A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]