Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Final

AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name:	**Gerdau Ameristeel US Inc.**
Mailing Address:	**1035 Shar-Cal Road, Calvert City, KY 42029**
Source Name:	**Gerdau Ameristeel US Inc.**
Mailing Address:	**1035 Shar-Cal Road** **Calvert City, KY 42029**
Source Location:	**Calvert City**
Permit:	**V-08-005**
Agency Interest:	**2956**
Activity:	**APE20070001**
Review Type:	**Title V / Synthetic Minor, Operating**
Source ID:	**21-157-00029**
Regional Office:	**Paducah Regional Office** **130 Eagle Nest Drive** **Paducah, KY 42003** **(270) 898-8468**
County:	**Marshall**
Application Complete Date:	**February 20, 2008**
Issuance Date:	**September 23, 2008**
Revision Date:	
Expiration Date:	**September 23, 2013**

E-signed by John S. Lyons

John S. Lyons, Director
Division for Air Quality

Revised 05/07/07

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	Permit type	**Activity#**	**Complete Date**	**Issuance Date**	**Summary of Action**
V97-038	**Initial**	**G559**		**Feb 27, 1998**	**Initial Construction Permit**
V97-038 R1 **V97-038 R2**	**Revision**	**G559** **51339**		**2000** **2002**	
V-03-016	**Renewal**			**June 17, 2008**	
V-08-005	**Renewal**	**APE20070001**	**2/20/2008**	**July 28, 2008**	**Language updated in this Renewal.**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

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

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

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

01 (01) - Billet Reheat Furnace

Description:
An Italimpianti reheat furnace.
Construction commenced - September 1983.

APPLICABLE REGULATIONS:
401 KAR 59:010, New Process Operations (applicable to each affected facility associated with a process operation commenced on or after July 2, 1975).

1. Operating Limitations:
Natural gas usage shall not exceed 1400 mm scf per 12 month rolling average- Self imposed to preclude Regulation 401 KAR 51:017 Prevention of Significant Deterioration of air quality.

2. Emission Limitations:

a. 1. Particulate emissions shall not exceed 30 tons per 12 month rolling average.

2. Nitrogen oxide emissions, expressed as NO_2, shall not exceed 230 tons per 12 month rolling average – Self imposed to preclude 401 KAR 51:017, Prevention of Significant Deterioration.

Compliance Demonstration:
The following formulas will be used in calculating the particulate and NO_x emission rates:

(1) Particulate Emission Rate
(tons/month) = [Steel billet usage rate (in tons/month) x Steel particulate emission factor (in lbs/ton of steel billet used) + Natural gas usage rate (in mm cu. ft./month) x NG particulate emission factor (in lbs/mm cu. ft. of natural gas used)]/2000

(2) Nitrogen dioxide Emission Rate
(tons/month) = [Natural gas usage rate (in mm cu. ft./month) x Nitrogen oxide emission factor (in lbs/mm cu. ft. of natural gas used)]/2000

The steel and natural gas particulate emission factors shall be 0.05 lbs/ton of steel billet used and 12 lbs/million cubic feet of natural gas used respectively. The nitrogen oxide emission factor shall be 300 lbs/million cubic feet of natural gas used. This emission factor shall be replaced by the number calculated whenever an emissions test or other modification, approved by the Division, is carried out for either of these pollutants at this emission point. Records of any such changes in the emission factors used shall be maintained at the source.

b. Mass Emission Standards: Pursuant to regulation 401 KAR 59:010.
Particulate emissions from the stack shall not exceed the limit of:

$$E'_{PM} = 3.59P^{0.62}$$

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

Where E'_{PM} is the particulate emission (pounds/hour). [401 KAR 59:010 § (3) (2)] and P is the steel billet usage rate in tons/hour. If the steel billet usage rate weight is less than or equal to 0.5 ton/hour, the particulate matter emission limitation shall be 2.34 lbs/hour.

Compliance demonstration: To provide reasonable assurance that the particulate matter emission limitations are being met, the permittee shall monitor the amount and type of process weight added to each particulate matter emissions unit. The process weight shall be determined as the average hourly tons added to the emission unit averaged over a one- month period. Average particulate emissions shall be calculated as follows:

Hourly emissions rate (lbs/hr) = Processing rate (tons/hrs) x EF in KY EIS or the most recent performance test (lbs/tons)

c. Opacity Standard*:* Pursuant to 401 KAR 59:010 Section 3 (1), visible emissions from the stack shall not equal or exceed 20 percent opacity, as determined with Reference Method 9, Appendix A 40 CFR 60.

Compliance demonstration: The permittee shall demonstrate compliance through monitoring and maintenance of the records as specified in **4. Specific Monitoring Requirements** and **5. Specific Record Keeping Requirements** below.

3. Testing Requirements:

a. Performance tests shall be performed on emission point 01(01) for PM and NO_x no later than 1 year after the issuance date of final permit V-08-005. Performance tests shall be performed by the reference methods specified in Regulation 401 KAR 50:015, Section 1. The permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Office at least thirty (30) days prior to the date of the required performance tests.

b. The Division shall be notified of the actual test date at least ten (10) days prior to the tests and given the opportunity to attend/observe the performance test.

4. Specific Monitoring Requirements:

The permittee shall monitor the following:

a. Compliance with the visible emission limitations shall be achieved through opacity monitoring. Opacity monitoring shall be performed by a certified visible emissions observer at least once per calendar quarter during furnace operations per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20% opacity.

b. In addition, any visible emissions observed during operation of the furnace shall be investigated and corrective measures taken to prevent any further occurrence.

c. The particulate emissions, nitrogen oxide emissions, steel processing and natural gas usage rates shall be monitored to ensure compliance with the emission limitations listed above.

5. Specific Record Keeping Requirements:

a. Records shall be maintained of the monthly particulate and nitrogen oxide emissions and the monthly hours of operation of the reheat furnace. Records shall be maintained of the

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

Method 9 opacity readings or the qualitative reading of visible emissions from the reheat furnace, as well as any occurrence of visible emissions during furnace operations.

b. Records shall be maintained at the plant for a period of at least five years.

6. Specific Reporting Requirements:

a. Any exceedance over the opacity, particulate or nitrogen oxide emission limits as stated in this permit shall be reported to the Division as soon as possible per Section F of this permit.

b. Following an exceedance the company shall continue to submit, for a period of at least 12 months, the monthly particulate and nitrogen oxide emission rates, and the hours of operation of this emission point, within 30 days of the end of the reporting period to the Regional Office listed on this permit.

c. The company shall also certify to the Division, annually, that the visible emission survey is conducted for this emission point, and that the emission point was in compliance with the applicable opacity requirements.

7. Specific Control Equipment Operating Conditions:

The control equipment shall be operated and maintained according to manufacturer's recommendation. Also see Section E.

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

02 (02) - Hot Rolling Mill

Description:
A Schloemann Siemag/Danieli rolling mill.
No control device. No stack.
Construction commenced - September 1983.

APPLICABLE REGULATIONS:
401 KAR 59:010, New Process Operations (applicable to each affected facility associated with a process operation commenced on or after July 2, 1975).

1. Operating Limitations:
None.

2. Emission Limitations:

a. Particulate emissions shall not exceed 40 tons per 12 month rolling average.
Self imposed to preclude Regulation 401 KAR 51:017 Prevention of significant deterioration of air quality.

Compliance Demonstration:
Particulate Emission Rate
(tons/month) = [Steel processing rate (in tons/month) x Steel particulate emission factor (in lbs/ton of steel processed)

The particulate emission factors shall be 0.08 lbs/ton of steel processed. This emission factor shall be replaced by the number calculated whenever an emissions test or other modification, approved by the Division, is carried out for this pollutant at this emission point. Records of any such change in the emission factors used shall be maintained at the source.

b. Opacity Standard: Pursuant to regulation 401 KAR 59:010 Section 3 (1), visible emissions from the roof monitors shall not equal or exceed 20 percent opacity, as determined with Reference Method 9, Appendix A 40 CFR 60.

Compliance demonstration: The permittee shall demonstrate compliance through monitoring and maintenance of the records as specified in **4. Specific Monitoring Requirements** and **5. Specific Record Keeping Requirements** below.

3. Testing Requirements:
Pursuant to Regulations 401 KAR 59:005 Section 2 (2) and 401 KAR 50:045 Section 1, performance testing using the Reference methods specified in Regulation 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:
The permittee shall monitor the following:

a. The particulate emissions and steel processing rates shall be monitored monthly to ensure compliance with the emissions limitation listed above.
b. Compliance with the visible emission limitations shall be achieved through opacity monitoring. Opacity monitoring shall be performed by a certified visible emissions observer at least once per calendar quarter during rolling mill operations per Method 9.

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

If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20% opacity.

c. In addition, any visible emissions observed during operation of the rolling mill shall be investigated and corrective measures taken to prevent any further occurrence.

5. Specific Record Keeping Requirements:

a. Records shall be maintained of the monthly and average hourly particulate emissions and the monthly hours of operation of the rolling mill. These records shall be maintained at the plant for a period of at least five years.
b. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the roof monitors, as well as any occurrence of visible emissions during rolling mill operations.
c. Records shall be maintained at the plant for a period of at least five years.

6. Specific Reporting Requirements:

a. Any exceedance over the particulate emission rate limits as stated in this permit shall be reported to the Regional Office listed on the front of this permit within 30 days per Section F of this permit.
b. Following an exceedance the company shall continue to submit, for a period of at least 12 months, the monthly particulate emission rates, and the monthly hours of operation of this emission point, within 30 days of the end of the reporting period to the Regional Office listed on this permit.
c. Any exceedance over the opacity limits as stated in this permit shall be reported to the Regional Office listed on the front of this permit within 30 days per Section F of this permit.
d. Following an exceedance the company shall continue to submit, at least once a quarter, the visible emission readings. The quarterly reports shall be submitted for a period of at least 12 months, within 30 days of the end of the quarter, to the Regional Office listed on this permit.
e. The company shall also certify to the Division, annually, that the visible emission survey is conducted for this emission point, and that the emission point was in compliance with the applicable opacity requirements.

7. Specific Control Equipment Operating Conditions:

The control equipment shall be operated and maintained according to manufacturer's recommendation. Also see Section E.

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

05 (05) Haul Roads

Description:
Various paved and unpaved roads within the plant boundaries used to transport equipment, material, personnel etc.
Construction commenced – September 1983.

APPLICABLE REGULATIONS:
State Regulation 401 KAR 63:010, Fugitive emissions.

1. Operating Limitations:

a. Pursuant to Regulation 401 KAR 63:010, Section 3 (1), reasonable precaution shall be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not be limited to the following:
   (1) Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
   (2) Application and maintenance of asphalt, oil, water, or suitable chemicals on roads, materials stockpiles, and other surfaces which can create airborne dusts;
   (3) Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
   (4) The maintenance of paved roadways in a clean condition;
   (5) The prompt removal of earth or other material from a paved street which earth or other material has been transported thereto by trucking or earth moving equipment or erosion by water.

2. Emission Limitations:
Pursuant to Regulation 401 KAR 63:010, Section 3 (2), no person shall cause or permit the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate.

3. Testing Requirements:
None

4. Monitoring Requirements:
On a daily basis, the permittee shall inspect the above listed emission unit for potential fugitive emissions. If there is a potential for fugitive emissions then reasonable precautions listed above shall be taken.

5. Recordkeeping Requirements:
The permittee shall maintain a log of daily work practices and monitoring completed as required by this permit. The log shall be maintained on-site in form suitable for inspection. This log shall contain information on all controls (water and non-water application) applied to the affected unit listed above.

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

6. Reporting Requirements:

The permittee shall keep records of the dates that it swept, and applied water/dust suppressants to roadways, and these records shall be made available to the Division personnel upon request.

7. Specific Control Equipment Operating Conditions:

The permittee shall employ a combination of the following to control fugitive dust emissions: sweeping for paved roads, watering and the use of dust suppressants, and restricting vehicles' speed on unpaved roads. Records shall be kept on all such activities.

SECTION C - INSIGNIFICANT ACTIVITIES

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

	Description	Generally Applicable Regulation
1.	Gasoline storage tank (300 gal.)	
2.	Guideshop parts washer vat (500 gal.)	401 KAR 63:010
3.	Guideshop parts washer sink (30 gal.)	401 KAR 63:010
4.	Maintenance parts washer sink (30 gal.)	401 KAR 63:010
5.	Utility parts washer sink (30 gal.)	401 KAR 63:010
6.	Emergency generator (250 kW)	
7.	Cooling tower heater (0.1 mmBTU/hr)	
8.	Water plant heater #1 (0.225 mmBTU/hr)	
9.	2 Storeroom heaters (0.25 mmBTU/hr each)	
10.	Elect. maintenance shop heater #1 (0.3 mmBTU/hr)	
11.	Elect. maintenance shop breakroom heater (0.075 mmBTU/hr)	
12.	Elect. maintenance shop heater #2 (0.225 mmBTU/hr)	
13.	Elect. maintenance shop heater #3 (0.175 mmBTU/hr)	
14.	Off line saw portable heater (0.15 mmBTU/hr)	
15.	5 Roll shop wall heaters (0.20 mmBTU/hr)	
16.	7 Roll shop ceiling heaters (0.08 mmBTU/hr)	

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

	Description	Generally Applicable Regulation
17.	Tunnel heater (1.65 mmBTU/hr)	401 KAR 59:015
18.	Miscellaneous cooling towers (250 gal/min.)	
19.	Citgo FR 40 storage tank (2.500 gal.)	401 KAR 63:010
20.	Diesel storage tank (1.130 gal.)	401 KAR 63:010
21.	Kerosene storage tank (570 gal.)	401 KAR 63:010
22.	Amenities building water heater (0.199 mmBtu/hr)	
23.	Emergency generator (1,000 kW)	401 KAR 63:010
24.	Air compressor (400 hp)	401 KAR 63:010
25.	Portable welding machine (80 hp)	401 KAR 63:010
26.	3 Chainsaws (8.5 hp)	401 KAR 63:010
27.	30 Natural gas torch stations (0.061 mmBtu/hr)	401 KAR 63:010
28.	20 Acetylene torch stations	401 KAR 63:010
29.	Aerosol spray paints (16 oz. cans)	401 KAR 63:010
30.	Water plant heater #2 (0.250 mmBtu/hr)	
31.	Elect. maintenance shop portable heater (0.150 mmBtu/hr)	
32.	2 Mech. maintenance shop heaters (0.150 mmBtu/hr)	
33.	2 Mech. maintenance shop portable heaters (0.150 mmBtu/hr)	
34.	Mech. maintenance breakroom heaters (0.225 mmBtu/hr)	
35.	Utility maintenance heater (0.200 mmBtu/hr)	

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

	Description	Generally Applicable Regulation
36.	Utility maintenance portable heater (0.100 mmBtu/hr)	
37.	Roll shop HVAC unit (0.154 mmBtu/hr)	401 KAR 63:010
38.	Billet yard office heater (0.075 mmBtu/hr)	
39.	Billet yard natural gas portable heater (0.150 mmBtu/hr)	
40.	Billet yard kerosene portable heater (0.150 mmBtu/hr)	
41.	5 HVAC units at amenities building (0.125 mmBtu/hr)	401 KAR 63:010
42.	2 Marley NC8312K1 Cooling Towers (144,000 gph ea.)	401 KAR 63:010
43.	QA laboratory vent hood	401 KAR 59:010
44.	Admin HVAC units	

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

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

2. Particulate, nitrogen oxide, and visible emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. For each emission point and/or vent at the source that is subject to 401 KAR 59:010, a qualitative observation to check for the presence of any visible emissions shall be carried out daily and visible emissions testing through Method 9 shall be carried out on a quarterly basis.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

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

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

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

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

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

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

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

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

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

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

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

Division for Air Quality
Paducah Regional Office
130 Eagle Nest Drive
Paducah, KY 42003

U.S. EPA Region 4
Air Enforcement Branch
61 Forsyth St
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
200 Fair Oaks Lane 1st floor
Frankfort, KY 40601

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

SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

   a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 Section 3(1)(b) and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].

   b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

   c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
      (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
      (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
      (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;
      (4) New requirements become applicable to a source subject to the Acid Rain Program.

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

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

   e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020 Section 3(1)(c)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a-15-b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3) 2.].

l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

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

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3) 4.].

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3) 1.].

SECTION G - GENERAL PROVISIONS (CONTINUED)

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

q. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
(1) Applicable requirements that are included and specifically identified in the permit and
(2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

b. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

3. Permit Revisions

a. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

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

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

No construction authorized by this permit.

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. Testing Requirements

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

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

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

6. Acid Rain Program Requirements

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

   b. The permittee shall comply with all applicable requirements and conditions of the Acid Rain Permit and the Phase II permit application (including the Phase II NOx compliance plan and averaging plan, if applicable) incorporated into the Title V permit issued for this source. The source shall also comply with all requirements of any revised or future acid rain permit(s) issued to this source.

7. Emergency Provisions

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

SECTION G - GENERAL PROVISIONS (CONTINUED)

(2) The permitted facility was at the time being properly operated;
(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
(4) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
(5) This requirement does not relieve the source of other local, state or federal notification requirements.

b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

8. Ozone Depleting Substances

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

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

SECTION G - GENERAL PROVISIONS (CONTINUED)

9. Risk Management Provisions

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

      RMP Reporting Center
      P.O. Box 1515
      Lanham-Seabrook, MD 20703-1515.

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

SECTION H - ALTERNATE OPERATING SCENARIOS

None.

SECTION I - COMPLIANCE SCHEDULE

None.