October 11, 1995

Mr. C. H. Fancy
Chief, Bureau of Air Regulation
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: AC 29-209018, PSD-FL-215

Dear Mr. Fancy:

Enclosed are the six copies of **Section 6** of the Gulf Coast PSD application as I noted in the package of binders sent to you on Tuesday, October 10, 1995. Please insert them in the appropriate section of each binder. Also enclosed is a diskette containing an ELSA version of **Section 6**. I apologize for the delay and any inconvenience this may have caused you.

Sincerely,

LAKE ENGINEERING, INC.

Larry G. Carlson
Air Pollution Compliance Specialist

LGC:shm
Enclosures

460.2.1
\460-95\1011FANC.23L

6.0
APPLICATION FORMS

The next 40 pages consist of the completed DEP application forms.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Identification of Facility Addressed in This Application

GULF COAST RECYCLING, INC.
1901 NORTH 66th STREET
TAMPA, FLORIDA 33619

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official :

Name : Willis M. Kitchen
Title : President

2. Owner or Authorized Representative or Responsible Official Mailing Address :

Organization/Firm : Gulf Coast Recycling, Inc.
Street Address : 1901 N. 66th Street
City : Tampa
State : FL Zip Code : 33619-____

3. Owner/Authorized Representative or Responsible Official Telephone Numbers :

Telephone : (813)626-6151 Fax : (813)622-8388

4. Owner/Authorized Representative or Responsible Official Statement :

I, the undersigned, am the owner or authorized representative of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.*

Willis M. Kitchen
Signature

Oct. 12th, 1995
Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID	Description of Emissions Unit
1, 4, 6	Blast Furnace

Purpose of Application and Category

Category I : All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain :

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number :

[ ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed :

[ ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number :

Operation permit to be revised :

[ ] Air operation permit revision or adminstrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application.

Operation permit to be revised/corrected :

[ ] Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit.

Operation permit to be revised :

Reason for revision :

Category II : All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain :

[ ] Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s) :

[ ] Renewal air operation permit under Fule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed :

[ ] Air operation permit revision for a synthetic non-Title V source.

Operation permit to be revised :

Reason for revision :

Category III : All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain :

[X] Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any :
AO29-173310

[ ] Air construction permit to make federally enforceable an assumed restriction on the potential

emissions of one or more existing, permitted emissions units.

Current operation permit number(s) :

[ ] Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Attached - Amount : NA

Construction/Modification Information

1. Description of Proposed Project or Alterations : This document is a revised PSD application for the installation of a 60-ton blast furnace replacing two smaller furnaces.
2. Projected or Actual Date of Commencement of Construction : 11/ 1/84
3. Projected Date of Completion of Construction : 12/ 1/84

Professional Engineer Certification

1. Professional Engineer Name : Frank J. Burbach

   Registration Number : 42496

2. Professional Engineer Mailing Address :

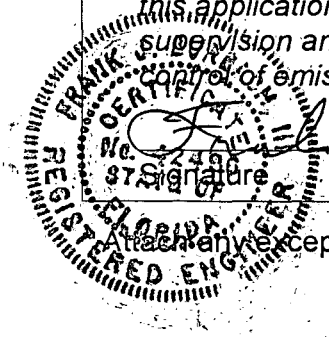
   Organization/Firm : Lake Engineering, Inc.
   Street Address : 35 Glenlake Parkway, Suite 500
   City : Atlanta
   State : GA Zip Code : 30328-____

3. Professional Engineer Telephone Numbers :

   Telephone : (770)395-0464 Fax : (770)395-0474

4. Professional Engineer Statement :

I, the undersigned, hereby certified, except as particularly noted herein, that :*
(1) To the best of my knowledge, there is reasonable assurance (a) that the air pollutant emissions unit(s) and the air pollutant control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions in the Florida Statues and rules of the Department of Environmental Protection; or (b) for any application for a TitleV source air operation permit, that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in the application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application;
(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application; and
(3) For any application for an air construction permit for one or more proposed new or modified emissions units, the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.



Signature Date 10/1/95

Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact : Name : George Townsend Title :
2. Application Contact Mailing Address : Organization/Firm : Gulf Coast Recycling, Inc. Street Address : 1901 N. 66th Street City : Tampa State : FL Zip Code : 33619-____
3. Application Contact Telephone Numbers : Telephone : (813)626-6151 Fax : (813)622-8388

Application Comment

The application fee was submitted with the original submittal in May 1994.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Name, Location, and Type

1. Facility Owner or Operator :
   Gulf Coast Recycling, Inc.

2. Facility Name : Gulf Coast Recycling, Inc.

3. Facility Identification Number : 0057

4. Facility Location Information :

   GULF COAST RECYCLING, INC.
   1901 NORTH 66th STREET
   TAMPA, FLORIDA 33619

   Facility Street Address : 1901 N. 66th Street
   City : Tampa
   County : Hillsborough Zip Code : 33619-____

5. Facility UTM Coordinates :

   Zone : 17 East (km) : 364.00 North (km) : 3093.60

6. Facility Latitude/Longitude :

   Latitude (DD/MM/SS) : 27 57 43 Longitude (DD/MM/SS) : 82 22 49

7. Governmental Facility Code :	8. Facility Status Code :	9. Relocatable Facility ?	10. Facility Major Group SIC Code :
0	A	N	33

11. Facility Comment :

Facility Contact

1. Name and Title of Facility Contact :

Name : George Townsend
Title :

2. Facility Contact Mailing Address :

Organization/Firm : Gulf Coast Recycling, Inc.
Street Address : 1901 N. 66th Street
City : Tampa
State : FL Zip Code : 33619-____

3. Facility Contact Telephone Numbers :

Telephone : (813)626-6151 Fax : (813)622-8388

Facility Regulatory Classifications

1. Small Business Stationary Source?	N
2. Title V Source?	Y
3. Synthetic Non-Title V Source?	N
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	Y
5. Synthetic Minor Source of Pollutants Other than HAPs?	N
6. Major Source of Hazardous Air Pollutants (HAPs)?	N
7. Synthetic Minor Source of HAPs?	Y
8. One or More Emissions Units Subject to NSPS?	Y
9. One or More Emission Units Subject to NESHAP?	Y
10. Title V Source by EPA Designation?	N
11. Facility Regulatory Classifications Comment :	
Although this facility is classified as a Title V source, the scope of this application does not include a Title V application. Regulatory classifications are after construction being proposed in this application is complete.	

D. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location :	Figure 1.1
2. Facility Plot Plan :	Figure 1.2
3. Process Flow Diagram(s) :	Figure 1.3
4. Precautions to Prevent Emissions of Unconfined Particulate Matter :	NA
5. Fugitive Emissions Identification :	NA
6. Supplemental Information for Construction Permit Application :	NA

Additional Supplemental Requirements for Category I Applications Only

7. List of Insignificant Activities :	NA
8. List of Equipment/Activities Regulated under Title VI :	NA
9. Alternative Methods of Operation :	NA
10. Alternative Modes of Operation (Emissions Trading) :	NA
11. Enhanced Monitoring Plan :	NA
12. Risk Management Plan Verification :	NA
13. Compliance Report and Plan :	NA
14. Compliance Statement (Hard-copy Required) :	NA

III. EMISSIONS UNIT INFORMATION

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Type of Emissions Unit Addressed in This Section

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions only.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 1

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section : Blast Furnace		
2. ARMS Identification Number : 1, 4, 6		
3. Emissions Unit Status Code : A	4. Acid Rain Unit? N	5. Emissions Unit Major Group SIC Code : 33
6. Initial Startup Date : 12/ 1/84		
7. Long-term Reserve Shutdown Date :		
8. Package Unit : Manufacturer : Model Number :		
9. Generator Nameplate Rating : MW		
10. Incinerator Information : Dwell Temperature : °F Dwell Time : seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment : This emission unit includes the furnace exhaust (ID 01), tapping (ID 04), and charging (ID 06) operations.		

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Control Equipment 1

1. Description :

Existing baghouse on Furnace Exhaust (ID 01)

Mfr: assembled by Gulf Coast
Model: NA
Cleaning Mechanism: Shaker type
Air-To-Cloth Ratio: 0.63:1
Design Flow: 35,000 acfm (w/prop. afterburner)
Efficiency Rating: 99%
Outlet Temperature: 200 deg. F (w/prop. afterburner)
Pressure Drop: 1-7" H2O
Cleaning Cycle Duration: 1 min.
Cleaning Cycle Frequency: 4x/day
Delay Periods: 35 mins.
Bag Material: 10 oz. Acrylic, snow filtration, sateen weave

2. Control Device or Method Code : 17

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Control Equipment 2

1. Description :

Existing baghouse on Tapping Hood (ID 04)

Mfr: assembled by Gulf Coast
Model: NA
Cleaning Mechanism: Shaker type
Air-To-Cloth Ratio: 1.45:1
Design Flow: 7,000 acfm
Efficiency Rating: 99%
Outlet Temperature: 100 deg. F
Pressure Drop: 1-4" H2O
Cleaning Cycle Duration: 2 mins.
Cleaning Cycle Frequency: 1x/day
Delay Periods: 24 hrs.
Bag Material: 10 oz. Acrylic, snow filtration, sateen weave

2. Control Device or Method Code : 18

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Control Equipment 3

1. Description :

Existing baghouse on Charging Hood (ID 04)

Mfr: assembled by Gulf Coast
Model: NA
Cleaning Mechanism: Shaker type
Air-To-Cloth Ratio: 1.21:1
Design Flow: 9,000 acfm
Efficiency Rating: 99%
Outlet Temperature: 100 deg. F
Pressure Drop: 1-4" H2O
Cleaning Cycle Duration: 2 mins.
Cleaning Cycle Frequency: 1x/day
Delay Periods: 24 hrs.
Bag Material: 10 oz. Acrylic, snow filtration, sateen weave

2. Control Device or Method Code : 18

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Control Equipment 4

1. Description :

   Proposed Feed Desulfurization System

   Mfr.: M.A. Industries, Inc.
   Model: M.A. 41
   Efficiency Rating: 1% S content of total Pb feed to furnace
   (see Appendix O)

2. Control Device or Method Code : 46

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Control Equipment 5

1. Description :

   Proposed Afterburner on Furnace Exhaust (ID 01)

   Mfr.: Not yet selected
   Model: Not yet selected
   Min. Chamber Temperature: 1400 deg. F
   Retention Time: 0.5-2.0 secs.
   Efficiency Rating: 90% for CO, 95% for VOCs

2. Control Device or Method Code : 21

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :	15 mmBtu/hr
2. Maximum Incinerator Rate :	lb/hr tons/day
3. Maximum Process or Throughput Rate :	13000
Units :	lbs/hr
4. Maximum Production Rate :	7900
Units :	lbs/hr
5. Operating Capacity Comment :	

Emissions Unit Information Section 1

Blast Furnace

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule :	
24 hours/day	7 days/week
52 weeks/year	8760 hours/year

B. EMISSIONS UNIT REGULATIONS

Emissions Unit Information Section 1

Blast Furnace

Rule Applicability Analysis

40 CFR Part 60.122, Subpart L (NSPS)
40 CFR Part 52.535
17-2.650 (2)(b)1
17-2.500
17-2.700

C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Emission Point Description and Type :

1. Identification of Point on Plot Plan or Flow Diagram :	Blast Furnace	
2. Emission Point Type Code :	1	
3. Descriptions of Emission Points Comprising this Emissions Unit : Furnace Exhaust, ID 01, Tapping Hood, ID 04, Charging Hood, ID 06 It will be assumed that all pollutants exhaust through the main furnace exhaust baghouse, ID 01.		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :		
5. Discharge Type Code :	V	
6. Stack Height :	150	feet
7. Exit Diameter :	3.0	feet
8. Exit Temperature :	200	°F
9. Actual Volumetric Flow Rate :	35000	acfm
10. Percent Water Vapor :	3.50	%
11. Maximum Dry Standard Flow Rate :	27020	dscfm
12. Nonstack Emission Point Height :		feet
13. Emission Point UTM Coordinates : Zone : 17 East (km) : 364.050 North (km) : 3093.550		
14. Emission Point Comment : The flow rate and temperature given are with the proposed afterburner.		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Lead scrap, coke, limestone, iron, and slag charged in furnace (emissions related to tons processed)	
2. Source Classification Code (SCC) :	
3. SCC Units : Tons Processed	
4. Maximum Hourly Rate : 6.500	5. Maximum Annual Rate : 56940
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.83	8. Maximum Percent Ash : 0.3
9. Million Btu per SCC Unit : 12	
10. Segment Comment : Sulfur content calculated by: lead scrap S content of 1% x 79.2% charge rate + coke S content of 0.58% x 7% charge rate = 0.79% + 0.04% = 0.83% Ash percent calculated by: Coke ash content of 5.4% x 7% charge rate: 0.38% Btu per SCC Unit calculated by: 13,000 Btu/lb coke x 2,000 lbs/ton = 26 mmBtu/ton coke 6.5 tons/hr charge rate x 7% coke = 0.455 tons/hr coke x 26mmBtu/ton coke = 11.83 mmBtu/ton charge (Btu's assumed only from coke)	

E. POLLUTANT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Potential/Estimated Emissions : Pollutant 1

1. Pollutant Emitted : SO2
2. Total Percent Efficiency of Control : 66.0 %
3. Primary Control Device Code : 046
4. Secondary Control Device Code :
5. Potential Emissions : 520.0000 lb/hour 2277.6000 tons/year
6. Synthetically Limited? N
7. Range of Estimated Fugitive/Other Emissions: to tons/year
8. Emissions Factor : 80.00000 Units : lbs/ton charge Reference : AP-42
9. Emissions Method Code : 3
10. Calculations of Emissions : 6.5 tons charge/hr (requested) x 80 lbs SO2/ton charge = 520 lbs SO2/hr 520 lbs/hr x 8,760 hrs/yr / 2,000 lbs/ton = 2,277.6 tons SO2/yr
11. Pollutant Potential/Estimated Emissions Comment :

DESCRIPTION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Information Section 1

Allowable Emissions 1

1. Basis for Allowable Emissions Code : OTHER
2. Future Effective Date of Allowable Emissions :
3. Requested Allowable Emissions and Units :
4. Equivalent Allowable Emissions : 175.0000 lb/hour 766.5000 tons/year
5. Method of Compliance : Annual source test with process rate within 10% of max., production records
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Allowable emissions requested as BACT.

E. POLLUTANT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Potential/Estimated Emissions : Pollutant 2

1. Pollutant Emitted :	PB
2. Total Percent Efficiency of Control :	99.8 %
3. Primary Control Device Code :	017
4. Secondary Control Device Code :	
5. Potential Emissions :	2.0900 lb/hour 9.1500 tons/year
6. Synthetically Limited?	N
7. Range of Estimated Fugitive/Other Emissions:	to tons/year
8. Emissions Factor : Units : Reference :	
9. Emissions Method Code :	
10. Calculations of Emissions :	
11. Pollutant Potential/Estimated Emissions Comment :	Potential emissions are current permitted levels.

DESCRIPTION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Information Section 2

Allowable Emissions 1

1. Basis for Allowable Emissions Code : ESCPSD
2. Future Effective Date of Allowable Emissions :
3. Requested Allowable Emissions and Units :
4. Equivalent Allowable Emissions : 0.1340 lb/hour 0.5900 tons/year
5. Method of Compliance : Annual source test with process rate within 10% of max., production records
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :

E. POLLUTANT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Potential/Estimated Emissions : Pollutant 3

1. Pollutant Emitted :	PM
2. Total Percent Efficiency of Control :	99.8 %
3. Primary Control Device Code :	017
4. Secondary Control Device Code :	
5. Potential Emissions :	3.2000 lb/hour 14.0200 tons/year
6. Synthetically Limited?	N
7. Range of Estimated Fugitive/Other Emissions:	to tons/year
8. Emissions Factor : Units : Reference :	
9. Emissions Method Code :	
10. Calculations of Emissions :	
11. Pollutant Potential/Estimated Emissions Comment :	Potential emissions are current permitted levels.

E. POLLUTANT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Potential/Estimated Emissions : Pollutant 4

1. Pollutant Emitted :	CO
2. Total Percent Efficiency of Control :	90.0 %
3. Primary Control Device Code :	021
4. Secondary Control Device Code :	
5. Potential Emissions :	683.3200 lb/hour 2292.9400 tons/year
6. Synthetically Limited?	N
7. Range of Estimated Fugitive/Other Emissions:	to tons/year
8. Emissions Factor : Units : Reference :	
9. Emissions Method Code :	1
10. Calculations of Emissions :	
11. Pollutant Potential/Estimated Emissions Comment :	Based on October 21 and November 4, 1991 source test.

DESCRIPTION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Information Section 4

Allowable Emissions 1

1. Basis for Allowable Emissions Code : OTHER
2. Future Effective Date of Allowable Emissions :
3. Requested Allowable Emissions and Units :
4. Equivalent Allowable Emissions : 68.3310 lb/hour 299.2900 tons/year
5. Method of Compliance : Maintenance of afterburner temperature and residence time.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Allowable emissions requested as BACT.

E. POLLUTANT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Potential/Estimated Emissions : Pollutant 5

1. Pollutant Emitted :	NOX
2. Total Percent Efficiency of Control :	%
3. Primary Control Device Code :	
4. Secondary Control Device Code :	
5. Potential Emissions :	1.9800 lb/hour 8.6700 tons/year
6. Synthetically Limited?	N
7. Range of Estimated Fugitive/Other Emissions:	to tons/year
8. Emissions Factor : Units : Reference :	
9. Emissions Method Code :	1
10. Calculations of Emissions :	
11. Pollutant Potential/Estimated Emissions Comment :	Based on October 21, 1991 source test.

E. POLLUTANT INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Potential/Estimated Emissions : Pollutant 6

1. Pollutant Emitted :	VOC
2. Total Percent Efficiency of Control :	95.0 %
3. Primary Control Device Code :	021
4. Secondary Control Device Code :	
5. Potential Emissions :	33.1010 lb/hour 144.9799 tons/year
6. Synthetically Limited?	N
7. Range of Estimated Fugitive/Other Emissions:	to tons/year
8. Emissions Factor : Units : Reference :	
9. Emissions Method Code :	1
10. Calculations of Emissions :	
11. Pollutant Potential/Estimated Emissions Comment :	Based on October 21, 1991 source test.

DESCRIPTION

Emissions Unit Information Section 1

Blast Furnace

Pollutant Information Section 6

Allowable Emissions 1

1. Basis for Allowable Emissions Code : OTHER
2. Future Effective Date of Allowable Emissions :
3. Requested Allowable Emissions and Units :
4. Equivalent Allowable Emissions : 1.6550 lb/hour 7.2500 tons/year
5. Method of Compliance : Maintenance of afterburner temperature and residence time.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) : Allowable emissions are a result of the proposed afterburner installation for CO control and for future MACT compliance.

F. VISIBLE EMISSIONS INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype : VE
2. Basis for Allowable Opacity : RULE
3. Requested Allowable Opacity : Normal Conditions : % Exceptional Conditions : % Maximum Period of Excess Opacity Allowed : min/hour
4. Method of Compliance :
5. Visible Emissions Comment : 40 CFR 52.535 (c)(1)(ii), (iii), and (iv)

H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

Emissions Unit Information Section 1

Blast Furnace

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

[X] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code :

PM :	U
SO2 :	C
NO2 :	U

4. Baseline Emissions :

PM :		lb/hour		tons/year
SO2 :	316.6669	lb/hour	1387.0000	tons/year
NO2 :				tons/year

5. PSD Comment :

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 1

Blast Furnace

Supplemental Requirements for All Applications

1. Process Flow Diagram :	Figure 1.3
2. Fuel Analysis or Specification :	in Section 6.0
3. Detailed Description of Control Equipment :	Appendix O
4. Description of Stack Sampling Facilities :	Appendix D
5. Compliance Test Report :	NA
6. Procedures for Startup and Shutdown :	NA
7. Operation and Maintenance Plan :	NA
8. Supplemental Information for Construction Permit Application :	NA
9. Other Information Required by Rule or Statue :	NA

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operations :	NA
11. Alterntive Modes of Operation (Emissions Trading) :	NA
12. Enhanced Monitoring Plan :	NA

13. Identification of Additional Applicable Requirements :	NA

14. Acid Rain Application (Hard-copy Required) :

NA	Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
NA	Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
NA	New Unit Exemption (Form No. 62-210.900(1)(a)2.)
NA	Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List) CAS No. 65996-77-2
Metallurgical Coke

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name ABC Coke Division, Drummond Co., Inc.	Emergency Telephone Number (205) 849-1330 Alabama (800) 523-8661 Other (800) 321-4015
Address (Number, Street, City, State, and ZIP Code) P.O. Box 170189	Telephone Number for Information Same as above
Birmingham, Ala 35217	Date Prepared 5/7/86
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Carbon	N/A	N/A	N/A	93 - 94
Ash	N/A	N/A	N/A	5 - 6
Sulfur	N/A	N/A	N/A	0.5 - 0.6

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H_2O = 1)	1.92
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water
NIL

Appearance and Odor
Irregular dark gray lumps. No distinguishing odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Ignition temperature approx. 1,000°F		N/A	N/A

Extinguishing Media
Water

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None known

(Reproduce locally) OSHA 174, Sept. 1985