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Tarmac 1

VIA AIRBORNE EXPRESS

Management Division

13 February 1998

**Tarmac America, Inc.**

455 Fairway Drive  
Deerfield Beach, FL 33441  
(954) 481-2800  
Fax (954) 421-0296  
<http://www.tarmacamerica.com>

**Environmental Department**  
Direct line (954) 425-4165  
Direct fax (954) 480-9352

H. Patrick Wong, Chief  
Air Section  
Metro-Dade County Environmental Resources Management  
33 SW 2<sup>nd</sup> Avenue — Suite 900  
Miami, Florida 33130-1540

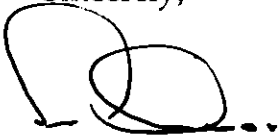
RE: **Pennsuco Cement**  
**Dade County - AP**  
**Facility ID# 0250020**

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Dear Mr. Wong:

In accordance with the *Agreement* executed February 2, 1998 between Tarmac and the DERM and specifically paragraph 20, please find enclosed an *Application For Air Permit—Long Form*. The application is submitted on one (1) 3½" diskette [ELSA ver1.3b] along with two (2) each signature pages, attachments, and figures to convert the coal handling system for kiln #2 to indirect firing. A check in the amount of \$250.00 [check# 119960] is also enclosed for the application processing fee. Should you have any questions or need further information please call me at the number above.

Sincerely,



Scott Quaas  
Environmental Manager  
Technical Services—Florida Region

cc: R. Pluta  
M. Unger  
J. Alves  
S. Crabtree-DERM

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 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 found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(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.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ X ] if so), I further certify that 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.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ ] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions 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.*

*David A. Buff*  
\_\_\_\_\_  
Signature

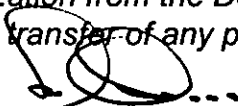
*2/13/98*  
\_\_\_\_\_  
Date

\* Attach any exception to certification statement.

I. Part 6 - 1

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official :	
Name :	Scott Quaas
Title :	Environmental Manager
2. Owner or Authorized Representative or Responsible Official Mailing Address :	
Organization/Firm :	Tarmac America, Inc.
Street Address :	455 Fairway Drive
City :	Deerfield Beach
State :	FL
Zip Code :	33441-____
3. Owner/Authorized Representative or Responsible Official Telephone Numbers :	
Telephone :	(954)425-4165
Fax :	(954)480-9352
4. Owner/Authorized Representative or Responsible Official Statement :	
<p><i>I, the undersigned, am the owner or authorized representative* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, 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. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained 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. 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 units.</i></p>	
 _____ Signature	FEB 13 1998 _____ Date

\* Attach letter of authorization if not currently on file.

## ATTACHMENT A

### PROJECT DESCRIPTION

Tarmac America, Inc. (Tarmac) is proposing to modify the coal handling system for kiln #2 from the existing direct fired system to an indirect fired system. The existing coal handling system for the cement plant will be utilized for the kiln #2 indirect system, including the coal mill. A new pulverized coal bin, screw feeders, weigh feeders, coal blower, and burner pipe will be installed for the proposed modification. Particulate emissions from the pulverized coal bin will be controlled by a new baghouse. Pertinent data for the proposed baghouse is described below.


## ATTACHMENT B

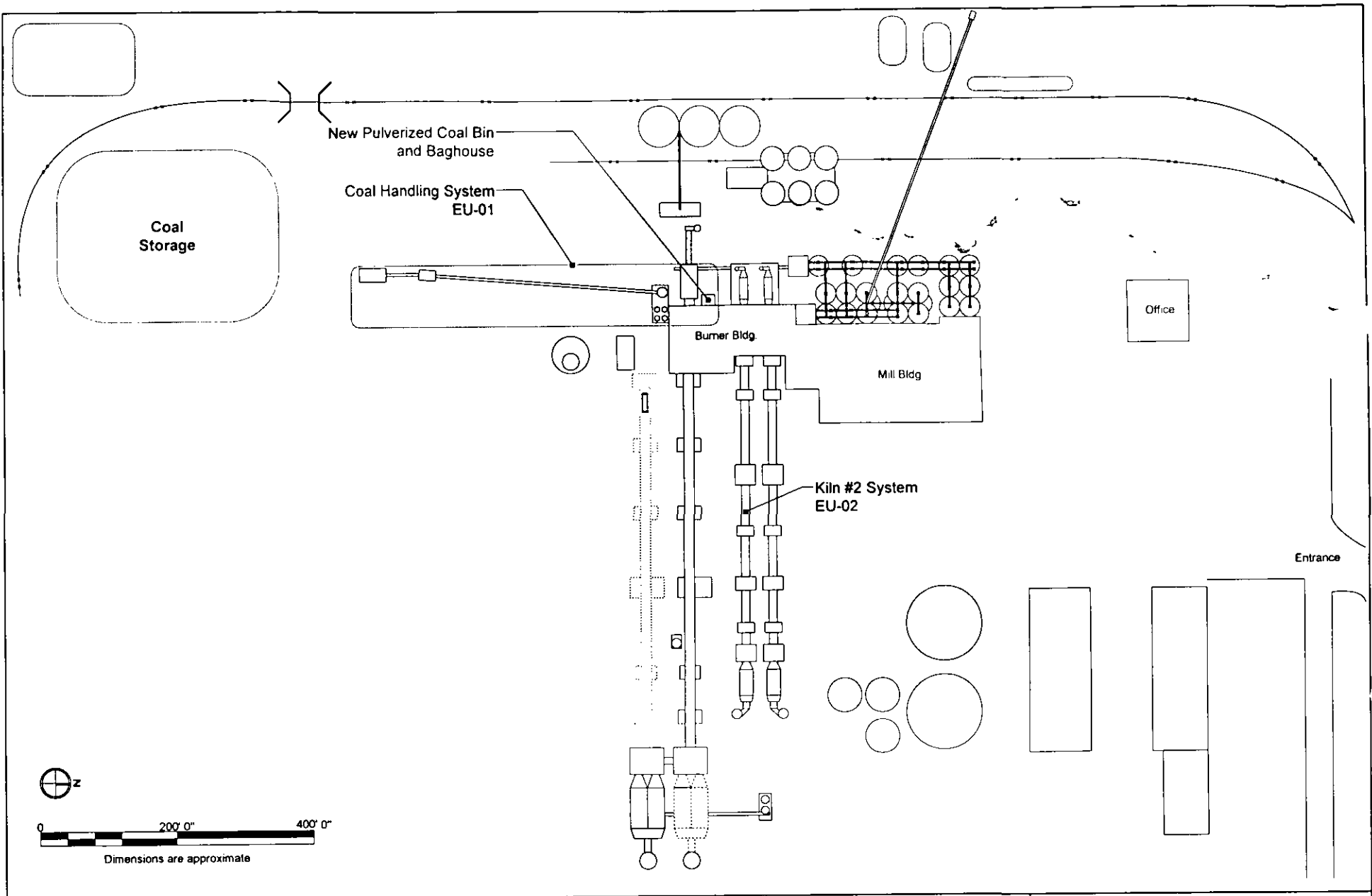
Air flow rate: 12,000 acfm (10,900 dscfm)

Gas temperature: 77°F

Cloth area: 2,400 ft<sup>2</sup>

Air/cloth ratio: 5:1

Attachment A Kiln #2 Indirect Fire	FACILITY Pennsuco Cement			<b>Tarmac</b>  Tarmac America, Inc. 455 Fairway Drive Deerfield Beach, FL 33441
	ID# 0250020	FacID# FL007-04	DATE FEB98	

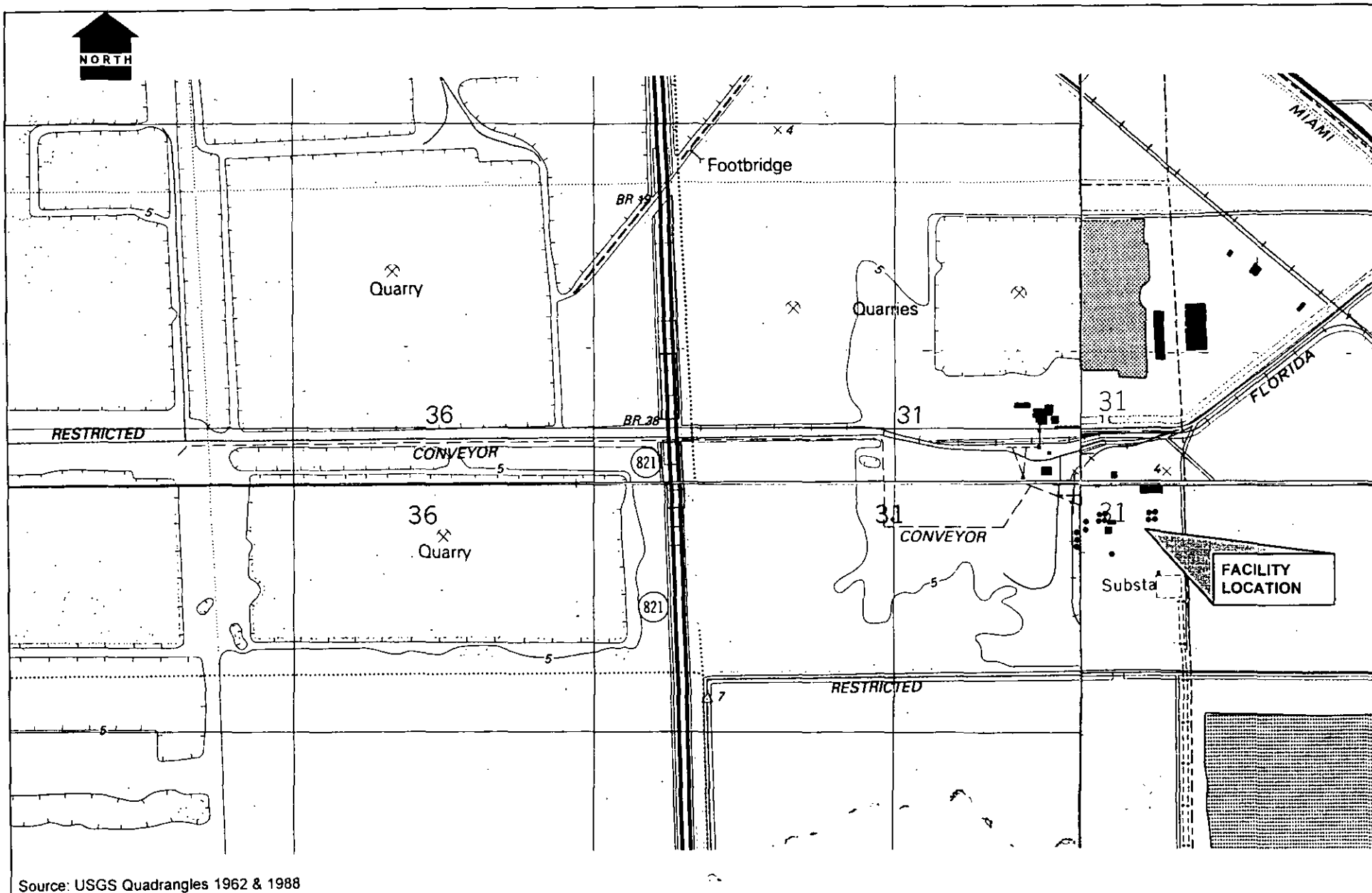


**FIGURE 2-2  
Kiln #2 Indirect Fire  
Facility Plot Plan**


FACILITY: <b>Pennsuco Cement</b>		
ID # 0250020	FacID # FL007-04	DATE FEB98

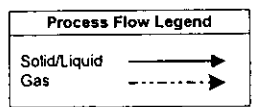
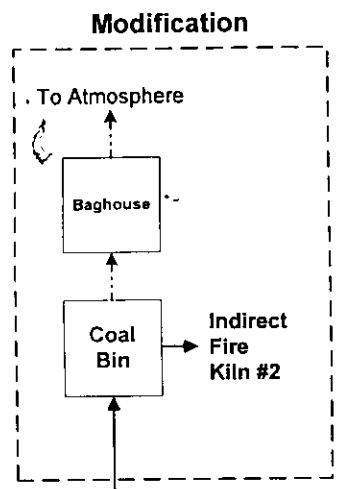
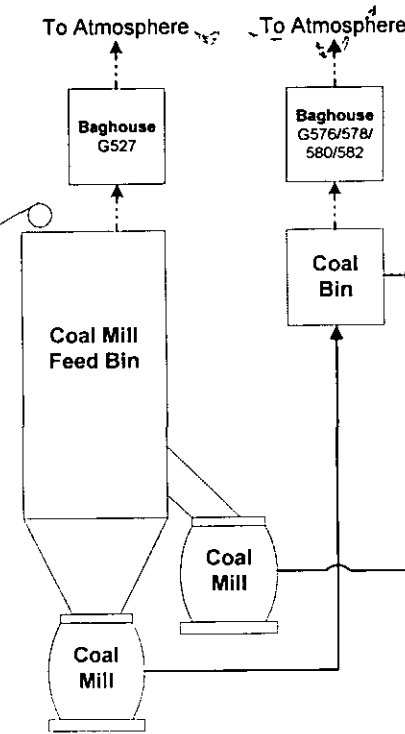
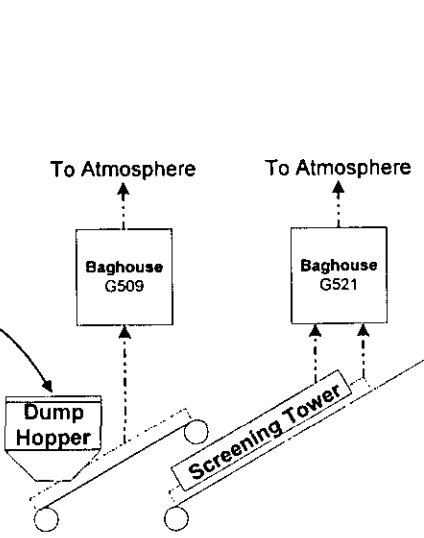
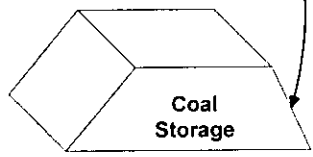
**Tarmac** 

Tarmac America, Inc.  
455 Fairway Drive  
Deerfield Beach, FL 33441



Source: USGS Quadrangles 1962 & 1988

<p><b>Figure 2-1</b> <b>Kiln #2 Indirect Fire</b> <b>Area Map</b></p>	<p>FACILITY: <b>Pennsuco Cement</b></p>		<p><b>Tarmac</b> </p> <p>Tarmac America, Inc. 455 Fairway Drive Deerfield Beach, FL 33441</p>
	<p>ID # <b>0250020</b></p>	<p>FacID# <b>FL007-04</b></p>	



Coal Handling System [EU-01]

<p><b>Figure 2-3</b>  <b>Kiln #2 Indirect Fire</b>  <b>Process Flow Diagram</b></p>	<p>FACILITY:  <b>Pennsuco Cement</b></p>			<p><b>Tarmac</b> </p> <p>Tarmac America, Inc.          455 Fairway Drive          Deerfield Beach, FL 33441</p>
	<p>ID #          0250020</p>	<p>FacID#          FL007-04</p>	<p>DATE          FEB98</p>	

**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**

1. Facility Owner/Company Name : Tarmac America, Inc.		
2. Site Name : Tarmac Pennsuco		
3. Facility Identification Number :	0250020	* <input type="checkbox"/> Unknown
4. Facility Location : Pennsuco Cement		
Street Address or Other Locator : 11000 NW 121 Way		
City : Medley		County : Dade
Zip Code : 33178-		
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

I. Part 1 - 1

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96



**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official :	
Name :	Scott Quaas
Title :	Environmental Manager
2. Owner or Authorized Representative or Responsible Official Mailing Address :	
Organization/Firm :	Tarmac America, Inc.
Street Address :	455 Fairway Drive
City :	Deerfield Beach
State :	FL
Zip Code :	33441-_____
3. Owner/Authorized Representative or Responsible Official Telephone Numbers :	
Telephone :	(954)425-4165
Fax :	(954)480-9352
4. Owner/Authorized Representative or Responsible Official Statement :	
<i>I, the undersigned, am the owner or authorized representative* of the non-Title V source</i>	
_____	_____
Signature	Date

\* Attach letter of authorization if not currently on file.

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>
No Id *	Coal Handling System	+ ACIF

I. Part 3 - 1

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96

**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 ob

[ ] 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 administrative 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 Rule 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 :

- 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 :

AO13-238048

- 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.

I. Part 4 - 3

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Effective : 3-21-96

Category IV : All Non-Federally Enforceable Air Operation

This Application for Air Permit is submitted to ob

Initial air operation permit for one or more existing, but previously unpermitted, emissions units.

Initial air operation permit for one or more newly constructed or modified

Current construction permit number :

Air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number :

Operation permit to be revised :

Air operation permit renewal.

Operation permit to be renewed :

I. Part 4 - 4

**Application Processing Fee**

Check one :

Attached - Amount :     \$250.00                           Not Applicable.

**Construction/Modification Information**

1. Description of Proposed Project or Alterations :	
Modify coal handling system for Klin # 2	
2. Projected or Actual Date of Commencement of Construction :	01-Jul-1998
3. Projected Date of Completion of Construction :	01-Jul-1999

**Professional Engineer Certification**

1. Professional Engineer Name :     David A. Buff Registration Number :     19011	
2. Professional Engineer Mailing Address :	
Organization/Firm : Golder Associates	
Street Address : 6241 NW 23 Street	
City : Gainesville	State : FL   Zip Code : 32653-1500
3. Professional Engineer Telephone Numbers :	
Telephone : (352)336-5600	Fax : (352)336-6603

I. Part 5 - 1

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96

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 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 found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(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.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ] if so), I further certify that 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.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ ] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions 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.*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

(seal)

I. Part 6 - 1

DEP Form No. 62-210.900(1) - Form

Effective : 3-21-96



\* Attach any exception to certification statement.

I. Part 6 - 2

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96

**Application Contact**

**1. Name and Title of Application Contact :**

Name : Scott Quaas  
Title : Environmental Manager

**2. Application Contact Mailing Address :**

Organization/Firm : Tarmac America, Inc.  
Street Address : 455 Fairway Drive  
City : Deerfield Beach  
State : FL                      Zip Code : 33441-

**3. Application Contact Telephone Numbers :**

Telephone : (954)425-4165                      Fax : (954)480-9352

**Application Comment**

**This application involves modification of the kiln #2 coal handling system to a indirect coal fired system. The structure of this application compliments the Title V Operating Permit application submitted in June 1996. The emission points and units are consistent with the Title V application.**

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility, Location, and Type

1. Facility UTM Coordinates : Zone : 17 East (km) : 562.80 North (km) : 2861.70			
2. Facility Latitude/Longitude : Latitude (DD/MM/SS) : 25 52 30 Longitude (DD/MM/SS) : 80 22 30			
3. Governmental Facility Code : 0	4. Facility Status Code : A	5. Facility Major Group SIC Code : 32 +	6. Facility SIC(s) :
7. Facility Comment :			
DEP Facility Comment			

#### Facility Contact

1. Name and Title of Facility Contact : Scott Quaas Environmental Manager	
2. Facility Contact Mailing Address : Organization/Firm : Tarmac America, Inc. Street Address : 455 Fairway Drive City : Deerfield Beach State : FL Zip Code : 33441-____	
3. Facility Contact Telephone Numbers : Telephone : (954)425-4165 Fax : (954)480-9352	

II. Part 1 - 1

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96

## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility, Location, and Type

1. Facility UTM Coordinates : Zone : East (km) : North (km) :			
2. Facility Latitude/Longitude : Latitude (DD/MM/SS) : Longitude (DD/MM/SS) :			
3. Governmental Facility Code :	4. Facility Status Code :	5. Facility Major Group SIC Code : +	6. Facility SIC(s) :
7. Facility Comment :			
DEP Facility Comment :  +			

#### Facility Contact

1. Name and Title of Facility Contact :			
2. Facility Contact Mailing Address : Organization/Firm : Street Address : City : State : Zip Code :			
3. Facility Contact Telephone Numbers : Telephone : Fax :			

Property Boundary

UTM Coordinates :

Zone :                    +    East :                    km +    North :                    km +

**Building Identification**

Identification of Building on Plot Plan or Flow Diagram :

+

Building Height :

FT +

+

**Building Boundary**

**UTM Coordinates :**

Zone :

+

East :

km +

North :

km +



100  
100  
100

**Facility Contact**

**1. Name and Title of Facility Contact :**

Name : Scott Quaas  
Title : Environmental Manager

**2. Facility Contact Mailing Address :**

Organization/Firm : Tarmac America, Inc.  
Street Address : 455 Fairway Drive  
City : Deerfield Beach  
State : FL                      Zip Code : 33441-\_\_\_\_

**3. Facility Contact Telephone Numbers :**

Telephone : (954)425-4165                      Fax : (954)480-9352

II. Part 2 - 1

DEP Form No. 62-210.900(1) - Form

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**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)?	Y
7. Synthetic Minor Source of HAPs?	N
8. One or More Emissions Units Subject to NSPS?	Y
9. One or More Emission Units Subject to NESHAP?	N
10. Title V Source by EPA Designation?	N
11. Facility Regulatory Classifications Comment :	
Ozone SIP Facility :	+
Annual Operating Report Required :	+

II. Part 2 - 1

**B. FACILITY REGULATIONS**

**Rule Applicability Analysis**

Not Applicable
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**B. FACILITY REGULATIONS**

**List of Applicable Regulations**

Not Applicable

II. Part 3b - 1

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## C. FACILITY POLLUTANTS

### Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
PM	A
PM10	A
NOX	A
SO2	A
SAM	A
VOC	A
CO	A
H106	A

II. Part 4 - 1

## D. FACILITY POLLUTANT DETAIL INFORMATION

### Facility Pollutant Information

Pollutant 1

1. Pollutant Emitted PM
2. Requested Emissions Cap : (lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :
4. Facility Pollutant Comment :

II. Part 4b - 1

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**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 2

1. Pollutant Emitted	PM10
2. Requested Emissions Cap :	(lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :	
4. Facility Pollutant Comment :	

II. Part 4b - 2

## D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Information

Pollutant 3

1. Pollutant Emitted NOX
2. Requested Emissions Cap : (lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :
4. Facility Pollutant Comment :

11. Part 46 - 3

**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 4

1. Pollutant Emitted	SO2
2. Requested Emissions Cap :	(lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :	
4. Facility Pollutant Comment :	

II. Part 4b - 4



**D. FACILITY POLLUTANT DETAIL INFORMATION**

**Facility Pollutant Information**

Pollutant 5

1. Pollutant Emitted	SAM	
2. Requested Emissions Cap :	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code :		
4. Facility Pollutant Comment :		

II. Part 46 - 5

## D. FACILITY POLLUTANT DETAIL INFORMATION

### Facility Pollutant Information

Pollutant 6

1. Pollutant Emitted	VOC
2. Requested Emissions Cap :	(lbs/hour) (tons/year)
3. Basis for Emissions Cap Code :	
4. Facility Pollutant Comment :	

II. Part 4b - 6

## D. FACILITY POLLUTANT DETAIL INFORMATION

### Facility Pollutant Information

Pollutant 7

1. Pollutant Emitted	CO	
2. Requested Emissions Cap :	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code :		
4. Facility Pollutant Comment :		

II. Part 4b - 7

## D. FACILITY POLLUTANT DETAIL INFORMATION

### Facility Pollutant Information

Pollutant 8

1. Pollutant Emitted	H106	
2. Requested Emissions Cap :	(lbs/hour)	(tons/year)
3. Basis for Emissions Cap Code : <u>    </u>		
4. Facility Pollutant Comment :		

II. Part 4b - 8

## E. FACILITY SUPPLEMENTAL INFORMATION

### Supplemental Requirements for All Applications

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

### Additional Supplemental Requirements for Category I Applications Only

7. List of Proposed Exempt 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. Identification of Additional Applicable Requirements :	NA
12. Compliance Assurance Monitoring Plan :	NA
13. Risk Management Plan Verification :	NA
14. Compliance Report and Plan :	NA
15. Compliance Certification (Hard-copy Required) :	NA

II. Part 5 - 1

### III. EMISSIONS UNIT INFORMATION

#### A. TYPE OF EMISSIONS UNIT (Regulated and Unregulated Emissions Units)

Emissions Unit Information Section 1

Coal Handling System +

#### Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one :

- [ X ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- [ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one :

- [ 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, a 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.
- [ ] 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.

III. Part 1 - 1

DEP Form No. 62-210.900(1) - Form  
Effective : 3-21-96



**Emissions Unit Information Section**      1  
Coal Handling System

**Emissions Unit Control Equipment**      1

1. Description :		
Baghouse	)	
2. Control Device or Method Code :      17      *		



**C. EMISSIONS UNIT DETAIL INFORMATION**  
**(Regulated Emissions Units Only)**

**Emissions Unit Information Section**  
 Coal Handling System

1

**Emissions Unit Details**

1. Initial Startup Date :	
2. Long-term Reserve Shutdown Date :	
3. Package Unit :	
Manufacturer :	Model Number :
4. Generator Nameplate Rating :	MW
5. Incinerator Information :	
Dwell Temperature :	Degrees Fahrenheit
Dwell Time :	Seconds
Incinerator Afterburner Temperature :	Degrees Fahrenheit
Emissions Unit Type Code :	32 +
Ozone SIP Base Emissions Unit :	+

**Emissions Unit Operating Capacity**

1. Maximum Heat Input Rate :	mmBtu/hr
2. Maximum Incinerator Rate :	lb/hr                      tons/day
3. Maximum Process or Throughput Rate :	7                              tons/hour
4. Maximum Production Rate :	
5. Operating Capacity Comment : maximum process rate of 6.5 tons/hour represents kiln #2 firing rate	

**Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule :
24 hours/day                      7 days/week

III. Part 4 - 1

52 weeks/year

7,884 hours/year

III. Part 4 - 2

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**D. EMISSIONS UNIT REGULATIONS  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**      1  
Coal Handling System

**Rule Applicability Analysis**

Not Applicable

III. Part 6a - 1

**List of Applicable Regulations**

- 62-296.320(4)(a) Process Weight Table
- 40.CFR 60.11(b) General NSPS Requirements
- 40 CFR 60.11(c) General NSPS Requirements
- 40 CFR 60.11(d) General NSPS Requirements
- 40 CFR 60.12 General NSPS Requirements
- 40 CFR 60.19 General NSPS Requirements
- 40 CFR 60.7 General NSPS Requirements
- 40 CFR 60.8 General NSPS Requirements
- 40 CFR 60.252(c) Subpart Y
- 40 CFR 254(a)
- 40 CFR 254(b)(2)

### C. EMISSION POINT (STACK/VENT) INFORMATION

Emissions Unit Information Section 1

Coal Handling System

**Emission Point Description and Type :**

1. Identification of Point on Plot Plan or Flow Diagram :	EU01
2. Emission Point Type Code :	3 *
3. Descriptions of Emission Points Comprising this Emissions Unit :	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common :	
5. Discharge Type Code :	V
6. Stack Height :	100 feet
7. Exit Diameter :	2.00 feet
8. Exit Temperature :	77 °F *
9. Actual Volumetric Flow Rate :	12,000 acfm
10. Percent Water Vapor :	7.50 %
11. Maximum Dry Standard Flow Rate :	10,914 dscfm
12. Nonstack Emission Point Height :	feet
13. Emission Point UTM Coordinates :	
Zone :	East (km) :                      North (km) :
Good Engineering Practice Height :	+
14. Emission Point Comment :	
Percent water vapor reflects typical coal analysis	

## F. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Coal Handling System

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Mineral Products; Bulk Material Conveyors; Coal	
2. Source Classification Code (SCC) : 3-05-101-03 *	
3. SCC Units : Tons Processed	
4. Maximum Hourly Rate : 6.50	5. Maximum Annual Rate :
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : Percent Sulfur Limit : +	8. Maximum Percent Ash :
9. Million Btu per SCC Unit :	
10. Segment Comment :	

III. Part 8 - 1

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**G. EMISSIONS UNIT POLLUTANTS  
(Regulated and Unregulated Emissions Units)**

**Emissions Unit Information Section**          1      
Coal Handling System

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
1 - PM *	017 *		EL
2 - PM10 *	017 *		EL

III. Part 9a - 1

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**H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units Only - Emissions Limited Pollutants Only)**

**Emissions Unit Information Section**  
Coal Handling System

1

**Pollutant Detail Information :**

Pollutant

1

1. Pollutant Emitted :	PM	*			
2. Total Percent Efficiency of Control :					%
3. Potential Emissions :	0.94	lb/hour	3.69		tons/year
4. Synthetically Limited?	[ ] Yes [ ] No				
5. Range of Estimated Fugitive/Other Emissions:				to	tons/year
6. Emissions Factor :					
Reference :	BACT of 4/8/80				
Unit Code :	gr/dscf				++
7. Emissions Method Code :		*			
8. Calculations of Emissions :	(10,914 dscfm x 0.01 gr/dscf)/7000 gr/lb x 60 min/hour = 3.94 lb/hour				
9. Pollutant Potential/Estimated Emissions Comment :					

III. Part 9b - 1

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**Emissions Unit Information Section**      1  
Coal Handling System

**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 :		0.01	* gr/dscf *
Allowable Emissions Unit :			
4. Equivalent Allowable Emissions :			
	0.00	lb/hour	3.70 tons/year
5. Method of Compliance : EPA Method 9 Test			
Compliance Method Code :		**	Compliance Test Frequency : **
Frequency Base Date :		+	
Regulation :			**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :			
Emission limit pursuant to BACT determination (4/8/80) for other baghouses associated with EU01			

III. Part 9c - 1

**Emissions Unit Information Section**  
Coal Handling System

1

**Pollutant Information Section**

1

**Allowable Emissions**

2

1. Basis for Allowable Emissions Code :		RULE	*
2. Future Effective Date of Allowable Emissions :			
3. Requested Allowable Emissions and Units :		3.59	* p <sup>0.62</sup> *
Allowable Emissions Unit :			
4. Equivalent Allowable Emissions :			
	11.50	lb/hour	45.20 tons/year
5. Method of Compliance : EPA Method 9 Test			
Compliance Method Code :	**	Compliance Test Frequency :	**
Frequency Base Date :	+		
Regulation :			**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) :			
Process weight table applies by Rule 62-296.320(4)(a) to grinding processes only.			

III. Part 9c - 2

**Emissions Unit Information Section** \_\_\_\_\_

**Pollutant Information Section** \_\_\_\_\_

**Allowable Emissions Information Section** \_\_\_\_\_

**Test Methods**

[Empty rectangular box for Test Methods information]

III. Part 11 - 1

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I. VISIBLE EMISSIONS INFORMATION  
(Regulated Emissions Units Only)

Emissions Unit Information Section 1  
Coal Handling System

Visible Emissions Limitation : Visible Emissions Limitation 1

1. Visible Emissions Subtype :	05	*	
2. Basis for Allowable Opacity :	OTHER	*	
3. Requested Allowable Opacity :			
	Normal Conditions :		%
	Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :	5		min/hour
4. Method of Compliance :			
	EPA Method 9		
5. Visible Emissions Comment :			
	Emission limit pursuant to BACT determination (4/8/80)		
Compliance Test Frequency :	0 +	Frequency Base Date :	+
COM Required :	+		
Regulation :	++		

III. Part 10 - 1

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**I. VISIBLE EMISSIONS INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Information Section**       1    
Coal Handling System

**Visible Emissions Limitation :** Visible Emissions Limitation       2  

1. Visible Emissions Subtype :	20	*	
2. Basis for Allowable Opacity :	RULE	*	
3. Requested Allowable Opacity :			
	Normal Conditions :		%
	Exceptional Conditions :		%
Maximum Period of Excess Opacity Allowed :	5		min/hour
4. Method of Compliance :			
EPA Method 9			
5. Visible Emissions Comment :			
Coal grinding baghouse subject to 40 CFR 60 Subpart Y			
Compliance Test Frequency :	0 +	Frequency Base Date :	+
COM Required :	+		
Regulation :	++		

III. Part 10 - 2

**J. CONTINUOUS MONITOR INFORMATION**  
**(Regulated Emissions Units Only)**

Emissions Unit Information Section   1  

Coal Handling System

Continuous Monitoring System : Continuous Monitor   1  

1. Parameter Code : *	2. Pollutant(s):
3. CMS Requirement	CMS Requirement Code : +
4. Monitor Information Manufacturer : Model Number : Serial Number	
5. Installation Date :	
6. Performance Specification Test Date :	
7. Continuous Monitor Comment : Not Applicable	
Performance Specification Test Status :	+
Certification Date (DD-MON-YYYY) :	+

III. Part 11 - 1

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**K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT  
TRACKING INFORMATION**

**Emissions Unit Information Section**                      1

Coal Handling System

**PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

- 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.

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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.
- 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 :	SO2 :	NO2 :
4. Baseline Emissions :		
PM :	lb/hour	tons/year
SO2 :	lb/hour	tons/year
NO2 :		tons/year
5. PSD Comment :		
Not Applicable		

## L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Emissions Unit Information Section 1

Coal Handling System

### Supplemental Requirements for All Applications

1. Process Flow Diagram :	Fig.2-3
2. Fuel Analysis or Specification :	
3. Detailed Description of Control Equipment :	Attachment B
4. Description of Stack Sampling Facilities :	NA
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. Alternrtive Modes of Operation (Emissions Trading) :	NA

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12. Identification of Additional Applicable Requirements :	NA
13. Compliance Assurance Monitoring Plan :	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.)

III. Part 13 - 2