

METROPOLITAN DADE COUNTY, FLORIDA



ENVIRONMENTAL RESOURCES MANAGEMENT
AIR QUALITY MANAGEMENT DIVISION
SUITE 900
33 S.W. 2nd AVENUE
MIAMI, FLORIDA 33130-1540
(305) 372-6925

March 5, 1998

Mr. John Reynolds
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Mail Station 5505

File No.: 0250020-007-AC
County: Miami-Dade
Project: Tarmac America, Inc.
Modify Coal Handling for Klin # 2
from Direct Firing to an Indirect Fired
System

RE: Transfer of Permit Application to Tallahassee

Dear Mr. Reynolds:

As per your memo dated March 4, 1998, we are sending you the requested materials:

- Hard copy of the application,
- Original signatures
- Original diskette "ELSA".
- In addition, a copy of the letter sent to Mr. Scott Quaas of Tarmac America, Inc. notifying him of the transfer of the Permit Application

If you have any questions, please contact Eva Kunath at (305) 372-6926. When referring to this project, please use the file number indicated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eva Kunath', written over a horizontal line.

M. Eva Kunath, Engineer I
Air Facilities Section
Air Quality Management Division

cc: SEP

RECEIVED

MAR 11 1998

BUREAU OF
AIR REGULATION

METROPOLITAN DADE COUNTY, FLORIDA



ENVIRONMENTAL RESOURCES MANAGEMENT
AIR QUALITY MANAGEMENT DIVISION
SUITE 900
33 S.W. 2nd AVENUE
MIAMI, FLORIDA 33130-1540
(305) 372-6925

CERTIFIED MAIL P 343 639 725
RETURN RECEIPT REQUESTED

Date: March 5, 1998

Mr. Scott Quaas
Environmental Manager
Tarmac America, Inc.
455 Fairway Drive
Deerfield Beach, Florida 33441

File No.: 0250020-007-AC
County: Miami-Dade
Project: Tarmac America, Inc.
Modify Coal Handling for Klin # 2
from Direct Firing to Indirect Fired
System

RE: Transfer of Permit Application to Tallahassee

Dear Mr. Quaas:

We have reviewed your application for a permit to modify Klin # 2 from direct firing to an indirect firing system. It was determined that your construction is subject to Prevention of Significant Deterioration (PSD). We have forwarded the application to the Department of Environmental Protection in Tallahassee for processing.

If you have any questions, please contact Eva Kunath at (305) 372-6926. When referring to this project, please use the file number indicated.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Eva Kunath", written over a horizontal line.

M. Eva Kunath, Engineer I
Air Facilities Section
Air Quality Management Division

cc: David A. Buff, P.E., Golder Associates

RECEIVED
FEB 18 1998

Tarmac 

~~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

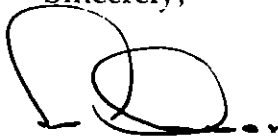
H. Patrick Wong, Chief
Air Section
Metro-Dade County Environmental Resources Management
33 SW 2nd Avenue — Suite 900
Miami, Florida 33130-1540

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

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.

Signature

David A. Buff

Date

2/13/98

* Attach any exception to certification statement.

I. Part 6 - 1

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 :

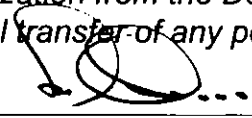
Organization/Firm : Tarmac America, Inc.
Street Address : 455 Fairway Drive
City : Deerfield Beach
State : FL Zip Code : 33441-____

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, 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.*



Signature

FEB 13 1998

Date

* Attach letter of authorization if not currently on file.

I. Part 2 - 1

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

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

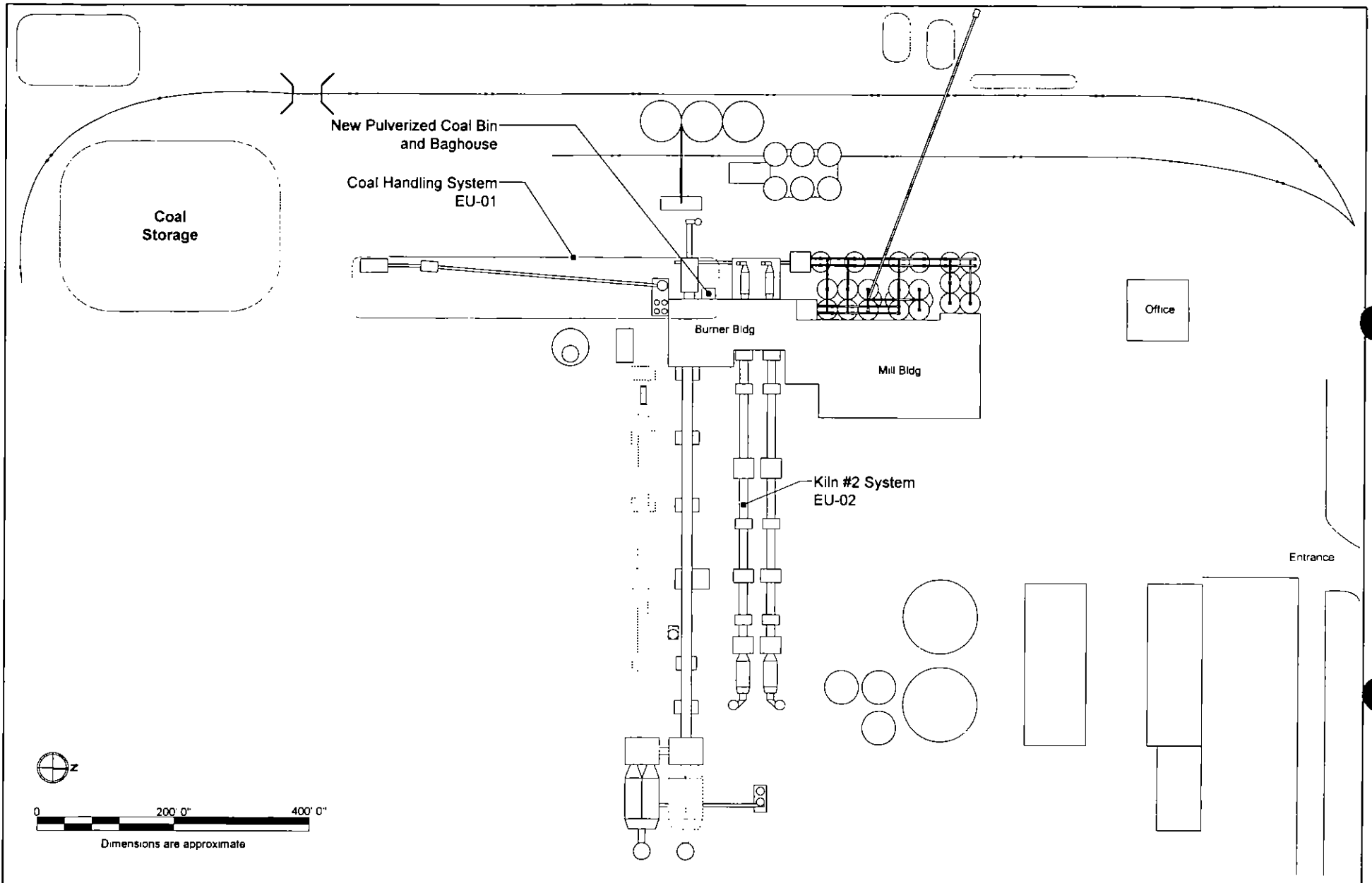
Air flow rate: 12,000 acfm (10,900 dscfm)

Gas temperature: 77°F


Cloth area: 2,400 ft²

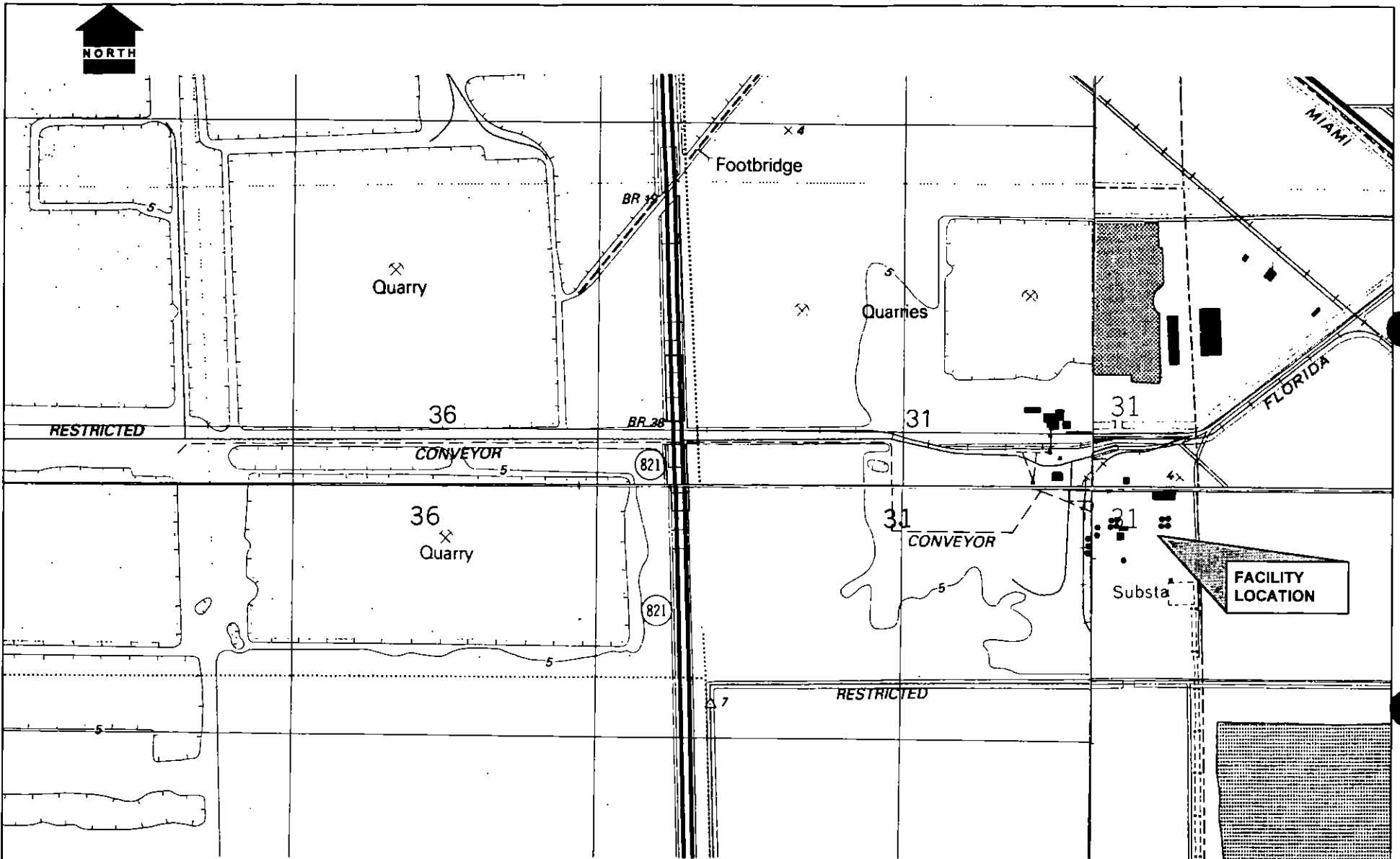
Air/cloth ratio: 5:1

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




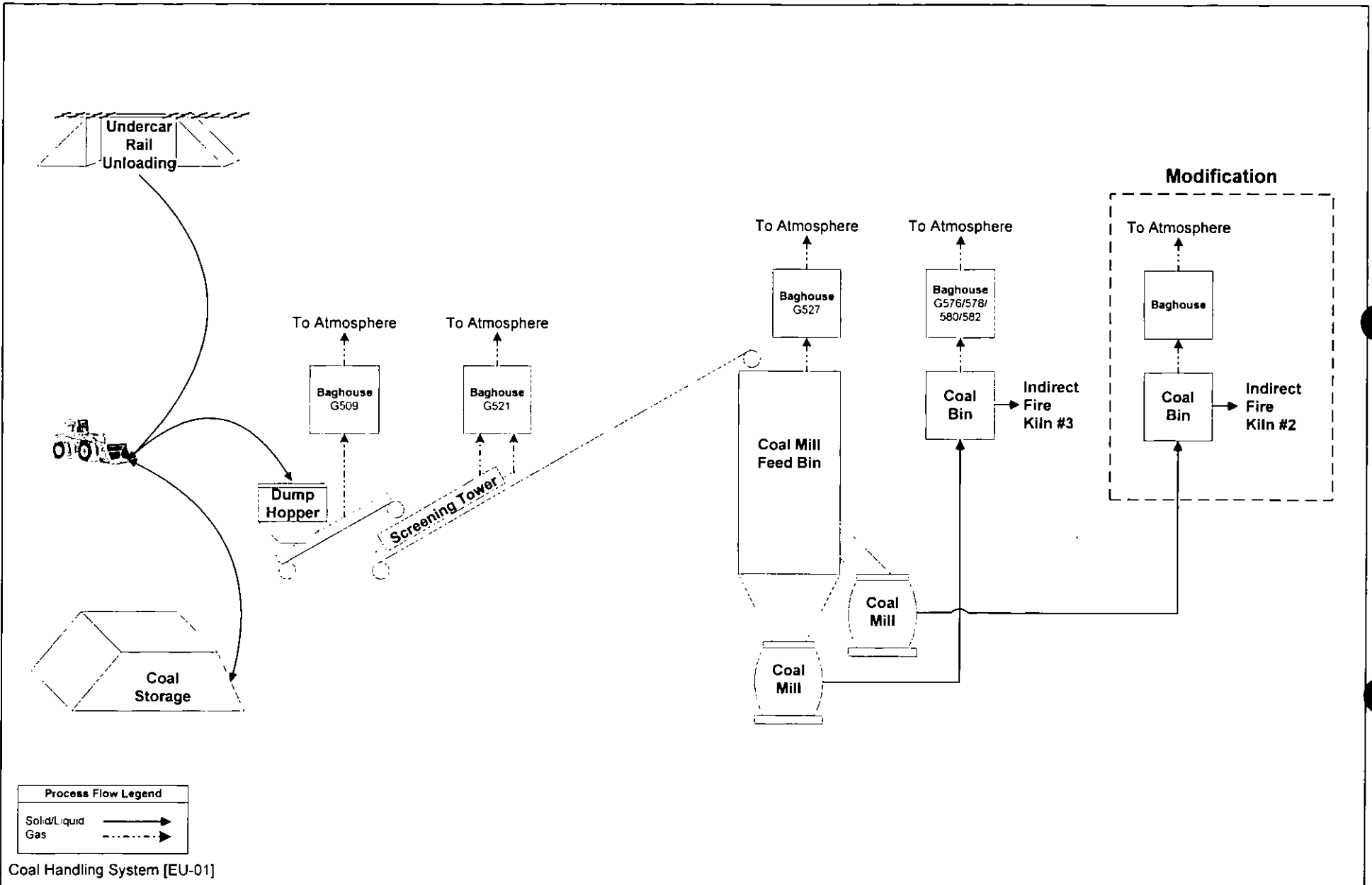
**FIGURE 2-2
Kiln #2 Indirect Fire
Facility Plot Plan**

FACILITY			Tarmac  Tarmac America, Inc. 455 Fairway Drive Deerfield Beach, FL 33441
Pennsuco Cement			
ID #	FacID #	DATE	
0250020	FL007-04	FEB98	



Source: USGS Quadrangles 1962 & 1988

Figure 2-1 Kiln #2 Indirect Fire Area Map	FACILITY: Pennsuco Cement			Tarmac  Tarmac America, Inc. 455 Fairway Drive Deerfield Beach, FL 33441
	ID # 0250020	FacID# FL007-04	DATE FEB98	



**Figure 2-3
Kiln #2 Indirect Fire
Process Flow Diagram**

FACILITY: Pennsuco Cement		
ID # 0250020	FacID# FL007-04	DATE FEB98

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

**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 : City : Medley	11000 NW 121 Way 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 sourc</i>	
_____ Signature	_____ Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type
No Id *	Coal Handling System +	AC1F

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 :

I. Part 4 - 1

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 :

I. Part 4 - 2

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

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

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

Application Processing Fee

Check one :

[X] 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

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

(seal)

Date

I. Part 6 - 1

* 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 +
--------	---	--------	------	---------	------

Facility Contact

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

II. Part 2 - 1

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

II. Part 3a - 1

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