



LETTER OF TRANSMITTAL

To: Patty Adams
 Florida Department of
 Environmental Protection
 2600 Blair Stone Road MS 5505
 Tallahassee, Florida 32399-2400

Date: 5/23/07

RECEIVED

MAY 24 2007

BUREAU OF AIR REGULATION

Dear Sir/Madam, the following are: attached sent separately

 1 Copies Reproducibles
 Permit Application Fee Specifications
 Documents Permit Application

Status		Sent for Your
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Approved	<input checked="" type="checkbox"/> Use
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Not Approved	<input type="checkbox"/> Files
<input type="checkbox"/>	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/>

Attached are the following:

<u>Document No.</u>	<u>Title</u>	<u>Issue</u>
EPSAP Application 1433-1	PSD Application Processing Fee of \$7,500	

If you have any questions contact me at 813.228.1282 .

Sincerely,

Byron T. Burrows, P.E. BCEE
 Manager, Air Programs

Cc: Sharon Good
 Karen Sheffield
 Karen Zwolak

PO Box 111
 Tampa, FL 33601

Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - LONG FORM APPLICATION NUMBER: 1433-1

FEE CALCULATION PAGE

Identification of Facility

1. Facility Owner/Company Name: TAMPA ELECTRIC COMPANY	
2. Site Name: BIG BEND STATION	
3. Facility Identification Number: 0570039	
4. Facility Location: Street Address or Other Locator: 13031 WYANDOTTE ROAD City: APOLLO BEACH County: HILLSBOROUGH Zip Code: 33572 - 9200	
5. Relocatable Facility? No	6. Existing Permitted Facility? Yes

Application Contact

1. Application Contact Name: SHARON GOOD	
2. Application Contact Mailing Address: Organization/Firm: TAMPA ELECTRIC CO. Street Address: PO BOX 111 City: TAMPA State: FL Zip Code: 33601	
3. Application Contact Telephone Numbers: Telephone: (813) 228 - 4654 Fax: (813) 228 - 1308	
4. Application Contact Email Address:	

Purpose of Application

Air construction permit.

Scope of Application

EU ID	Description of Emissions Unit	Permit Type	Enter Processing Fee For Each EU
004	Unit No. 4 Steam Generator (Phase II Acid Rain Unit)	AC1A	\$7500

Application Processing Fee:

Check one: Attached - Enter Total Amount: \$7500 Not Applicable

Note: Submit any required permit application fee, which you must calculate according to 62-4.050(4), F.A.C.. Contact the appropriate Permitting Office if you have any questions.

Application Comment

The purpose of this application is to request a permit modification to increase the permit limit for carbon monoxide (CO) for Big Bend Station Unit 4 from 0.029 lb/MMBtu to 0.2 lb/MMBtu. The increase in the limit is necessary due to the installation of pre-combustion NOx reduction technology required by the Environmental Protection Agency and Florida Department of Environmental Protection.



LETTER OF TRANSMITTAL

To: Patty Adams
 Florida Department of
 Environmental Protection
 2600 Blair Stone Road MS 5505
 Tallahassee, Florida 32399-2400

Date: 5/1/07

RECEIVED
 MAY 03 2007
 BUREAU OF AIR REGULATION

Dear Sir/Madam, the following are: attached sent separately

1 Copies
 Drawings
 Documents

*0570039-027-AC
 TECO Big Bend*

Status		
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Appl	
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Not Approved	<input type="checkbox"/> Files
<input type="checkbox"/>	<input type="checkbox"/> Approved as Noted	<input type="checkbox"/>

Attached are the following:

<u>Document No.</u>	<u>Title</u>	<u>Issue</u>
EPSAP Application 1433-1	PE Signature Page for TEC BB4 CO Limit Modification	

If you have any questions contact me at 813.228.1282 .

Sincerely,

Byron T. Burrows, P.E. BCEE
 Manager, Air Programs

Cc: Sharon Good
 Karen Sheffield
 Karen Zwolak
 File AP 1.14.1

PO Box 111
 Tampa, FL 33601

Electronic Permit Submittal and Processing System (EPSAP) Professional Engineer Signature Document

"This document is signed and sealed to secure the data in this permit application and any attached files that were submitted electronically as described in Florida Department of Business and Professional Regulation, Board of Professional Engineers, Procedures for Signing and Sealing Electronically Transmitted Plan, Specifications, Reports or other Documents, Rule 61G15-23.003., F.A.C.."

EPSAP Application Number: 1433-1
Facility Identification Number: 0570039
Facility Owner/Company Name: TAMPA ELECTRIC COMPANY

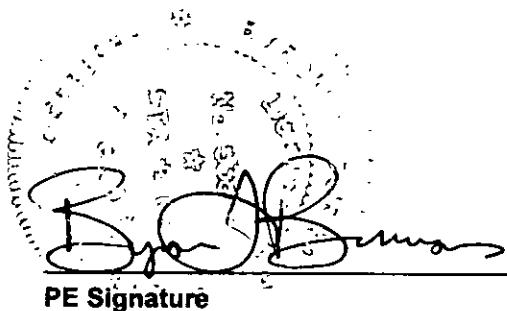
Purpose of Application:
 Air construction permit.

Signature File Created: 4/30/2007 2:43:56 PM

File Description	Authentication Code
Submitted Application Data	94AE3F915C968873344E99AF0BC2AD26B9A54BA9
This Application Has No Uploaded Facility Documents.	
Uploaded Emissions Unit Documents:	
AH Emissions Data-July 04.pdf	63B3C81BF68B97A994834E355C87E571A13E2894
Unit 4 CO BACT Analysis 043007.pdf	E82209B0FAB89B67D5D4AE5E132CF3C7CFF44EAE
Final Signature File	D6EDBDA56FCED482FE61C3C1AD80129D58278D44

Professional Engineer (PE): BYRON BURROWS License No: 53817

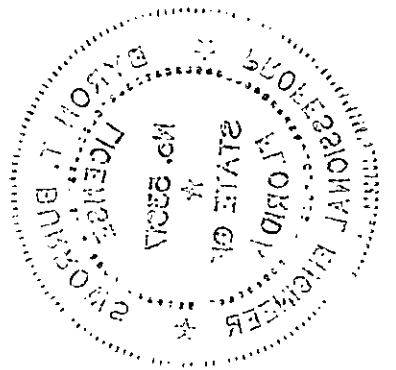
(sign and affix PE seal below)



PE Signature

4/30/07
 Date

RECEIVED
 MAY 03 2007
 BUREAU OF AIR REGULATION





Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

May 22, 2007

SENT VIA ELECTRONIC MAIL – RECEIPT REQUESTED

Ms. Sharon Good
Senior Engineer
Tampa Electric Company
P.O. Box 111
Tampa, Florida 33601

RE: PSD Application, Big Bend Station
0570039-027-AC

Dear Ms. Good:

The Bureau of Air Regulation received your May, 2007, construction permit application to increase the permit limit for carbon monoxide for Big Bend Station Unit 4. Since this is a PSD application, a \$7,500 processing fee pursuant to Chapter 62-4.050(4)(a), F.A.C., will be required before we can begin reviewing your application. If you have any questions, please call Tom Cascio, review engineer, at (850)921-9526.

Sincerely,

Patty Adams
Bureau of Air Regulation

/pa

cc: Tom Cascio



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

May 30, 2007

Mr. John Bunyak, Chief
Policy, Planning & Permit Review Branch
NPS – Air Quality Division
P. O. Box 25287
Denver, Colorado 80225

RE: Tampa Electric Company
Big Bend Unit CO Modification
0570039-027-AC, PSD-FL-390

Dear Mr. Bunyak:

Enclosed for your review and comment is a PSD permit application from Tampa Electric Company to modify the CO limit at their Big Bend Station Unit 4 in Tampa, Hillsborough County, Florida.

Your comments may be forwarded to my attention at the letterhead address or faxed to the Bureau of Air Regulation at 850/921-9533. If you have any questions, please contact Tom Cascio, review engineer, at 850/921-9526.

Sincerely,

A. A. Linero, Program Administrator
Permitting South Section

AAL/pa

Enclosure

cc: Tom Cascio



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

May 30, 2007

Mr. Gregg M. Worley, Chief
Air Permits Section
U.S. EPA, Region 4
61 Forsyth Street
Atlanta, Georgia 30303-8960

RE: Tampa Electric Company
Big Bend Unit CO Modification
0570039-027-AC, PSD-FL-390

Dear Mr. Worley:

Enclosed for your review and comment is a PSD permit application from Tampa Electric Company to modify the CO limit at their Big Bend Station Unit 4 in Tampa, Hillsborough County, Florida.

Your comments may be forwarded to my attention at the letterhead address or faxed to the Bureau of Air Regulation at 850/921-9533. If you have any questions, please contact Tom Cascio, review engineer, at 850/921-9526.

Sincerely,

Patty Adams
for A. A. Linero, Program Administrator
Permitting South Section

AAL/pa

Enclosure

cc: Tom Cascio

APPLICATION IDENTIFICATION INFORMATION

Home | Reports | Comments | Application Search | Logoff | Help



APPLICATION: TEC BB4 CO LIMIT MODIFICATION (#1433-1)
FACILITY: TAMPA ELECTRIC COMPANY (#0570039)

(+) 4 - Unit No. 4 Steam Generato

- Assign Rights or Transfer Application
- Edit Application for Sufficiency
- Return Application to Applicant for Resubmittal

Application Contact | Owner/Authorized Rep. | Professional Engineer | Responsible Official

Final PE Signature File Authentication Code:
D6EDBDA56FCED482FE61C3C1AD80129D58278D44

Select an Option Below to Confirm Receipt of the PE Signature Document:

- I have NOT received the PE Signature Document.
- I have received the PE Signature Document and confirmed that the Signature File Authentication Code shown above exactly matches the one on the PE Signature Document.
- I have received the PE Signature Document and found that the Signature File Authentication Code shown above does NOT match the one on the PE Signature Document.

Enter and Update Permit Number from PA:

Application Number: 1433
 Applicant's Version:
 Application Name: TEC BB4 CO LIMIT MODIFICATION
 Application Type: LONG FORM
 Purpose of Application: AIR CONSTRUCTION PERMIT.
 Time Clock Waiver: NO
 Date Submitted: 5/1/2007

Applicant's Data Downloaded from ARMS? YES

Applicant Comment:
 The purpose of this application is to request a permit modification to increase the permit limit for carbon monoxide (CO) for Big Bend Station Unit 4 from 0.029 lb/MMBtu to 0.2 lb/MMBtu. The increase in the limit is necessary due to the installation of pre-combustion NOx reduction technology required by the Environmental Protection Agency and Florida Department of

Environmental Protection.

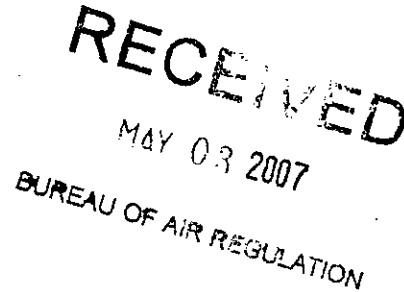
[Click Here to View Certification Statements](#)



LETTER OF TRANSMITTAL

To: Patty Adams
Florida Department of
Environmental Protection
2600 Blair Stone Road MS 5505
Tallahassee, Florida 32399-2400

Date: 5/1/07



Dear Sir/Madam, the following are: [X] attached [] sent separately

1 Copies [] Drawings [] Documents [] Reproducibles [] Specifications [X] Permit Application

Table with 3 columns: Status, [], and Sent for Your. Includes checkboxes for Final, Preliminary, Approved, Not Approved, Approved as Noted, Use, and Files.

Attached are the following:

Table with 3 columns: Document No., Title, and Issue. First row: EPSAP Application 1433-1, PE Signature Page for TEC BB4 CO Limit Modification.

If you have any questions contact me at 813.228.1282 .

Sincerely,

Handwritten signature of Byron T. Burrows

Byron T. Burrows, P.E. BCEE
Manager, Air Programs

Cc: Sharon Good
Karen Sheffield
Karen Zwolak
File AP 1.14.1

PO Box 111
Tampa, FL 33601

Electronic Permit Submittal and Processing System (EPSAP) Professional Engineer Signature Document

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EPSAP Application Number: 1433-1
Facility Identification Number: 0570039
Facility Owner/Company Name: TAMPA ELECTRIC COMPANY

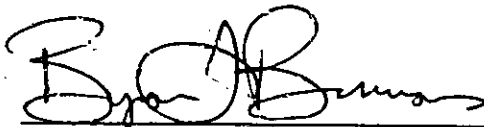
Purpose of Application:
 Air construction permit.

Signature File Created: 4/30/2007 2:43:56 PM

File Description	Authentication Code
Submitted Application Data	94AE3F915C968873344E99AF0BC2AD26B9A54BA9
This Application Has No Uploaded Facility Documents.	
Uploaded Emissions Unit Documents:	
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Unit 4 CO BACT Analysis 043007.pdf	E82209B0FAB89B67D5D4AE5E132CF3C7CFF44EAE
Final Signature File	D6EDBDA56FCED482FE61C3C1AD80129D58278D44

Professional Engineer (PE): BYRON BURROWS License No: 53817

(sign and affix PE seal below)



PE Signature

4/30/07

Date

RECEIVED
 MAY 03 2007
 BUREAU OF AIR REGULATION



LETTER OF TRANSMITTAL

To: Tom Cascio
 Florida Department of
 Environmental Protection
 111 South Magnolia Drive, Suite 4
 Tallahassee, FL 32301

Date: 4/30/07

Dear Sirs, the following are: attached sent separately

1	Copies	_____	Reproducibles
<input type="checkbox"/>	Drawings	<input type="checkbox"/>	Specifications
<input type="checkbox"/>	Documents	<input checked="" type="checkbox"/>	<u>Permit Application</u>


Status		Sent for Your	
<input checked="" type="checkbox"/>	Final	<input type="checkbox"/>	Approved
<input type="checkbox"/>	Preliminary	<input type="checkbox"/>	Not Approved
<input type="checkbox"/>		<input type="checkbox"/>	Approved as Noted
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Use
		<input type="checkbox"/>	Files
		<input type="checkbox"/>	

Attached are the following:

<u>Document No.</u>	<u>Title</u>	<u>Issue</u>
EPSAP Application 1433-1	TEC BB4 CO Limit Modification	

If you have any questions contact me at 813.228.1282 .

Sincerely,


 Byron T. Burrows, P.E. BCEE
 Manager, Air Programs

Cc: Sharon Good
 Karen Sheffield
 File AP 1.14.1

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EPSAP Application Number: 1433-1
Facility Identification Number: 0570039
Facility Owner/Company Name: TAMPA ELECTRIC COMPANY

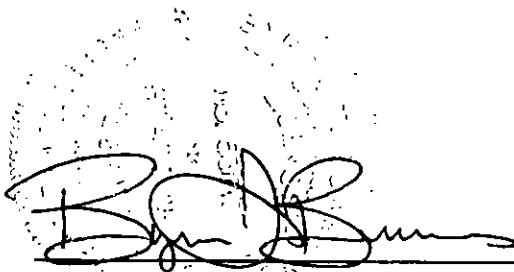
Purpose of Application:
 Air construction permit.

Signature File Created: 4/30/2007 2:41:40 PM

File Description	Authentication Code
Submitted Application Data	94AE3F915C968873344E99AF0BC2AD26B9A54BA9
This Application Has No Uploaded Facility Documents.	
Uploaded Emissions Unit Documents:	
AH Emissions Data-July 04.pdf	63B3C81BF68B97A994834E355C87E571A13E2894
Unit 4 CO BACT Analysis 043007.pdf	E82209B0FAB89B67D5D4AE5E132CF3C7CFF44EAE
Final Signature File	D6EDBDA56FCED482FE61C3C1AD80129D58278D44

Professional Engineer (PE): BYRON BURROWS License No: 53817

(sign and affix PE seal below)



PE Signature

4/30/07
 Date



**Department of
Environmental Protection
Division of Air Resource
Management**

**APPLICATION FOR AIR PERMIT - LONG FORM
--- Detail Report ---**

Application not submitted. Data current as of 4/30/2007

I. APPLICATION SECTION

APPLICATION IDENTIFICATION INFORMATION

Application Number: 1433-1

Application Name: TEC BB4 CO LIMIT MODIFICATION

Purpose of Application: AIR CONSTRUCTION PERMIT.

Application Comment: The purpose of this application is to request a permit modification to increase the permit limit for carbon monoxide (CO) for Big Bend Station Unit 4 from 0.029 lb/MMBtu to 0.2 lb/MMBtu. The increase in the limit is necessary due to the installation of pre-combustion NOx reduction technology required by the Environmental Protection Agency and Florida Department of Environmental Protection.

SCOPE OF APPLICATION

EU ID	Description	Permit Type
004	Unit No. 4 Steam Generator (Phase II Acid Rain Unit)	AC1A

Note: Submit any required permit application fee, which you must calculate according to 62-4.050(4), F. A. C.. Contact the appropriate Permitting Office if you have any questions.

APPLICATION CONTACT INFORMATION

First Name: SHARON

Last Name: GOOD

Job Title: SENIOR ENGINEER

Name of Organization/Firm: TAMPA ELECTRIC CO.

Telephone: 813 - 228 - 4654

Fax: 813 - 228 - 1308

E-mail: scgood@tecoenergy.com

Street Address: PO BOX 111

City: TAMPA

State: FL

Zip: 33601

OWNER/AUTHORIZED REPRESENTATIVE INFORMATION

First Name: KAREN

Last Name: SHEFFIELD

Job Title: General Manager - Big Bend Station

Name of Organization/Firm: TAMPA ELECTRIC COMPANY

Telephone: 813 - 228 - 4111

Fax: 813 - 630 - 7121

E-mail: kasheffield@tecoenergy.com

Street Address: P.O. BOX 111

City: TAMPA
State: FL
Zip: 33600 - 0111

RESPONSIBLE OFFICIAL INFORMATION

First Name: KAREN
Last Name: SHEFFIELD
Primary RO? YES
Job Title: General Manager - Big Bend Station
Name of Organization/Firm: TAMPA ELECTRIC COMPANY
Telephone: 813 - 228 - 4111
Fax: 813 - 630 - 7121
E-mail: kasheffield@tecoenergy.com
Street Address: P.O. BOX 111

City: TAMPA
State: FL
Zip: 33600 - 0111

RO Qualification: For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C.

PROFESSIONAL ENGINEER INFORMATION

PE UserName: BTBURROWS
Registration Number: 53817
First Name: BYRON
Last Name: BURROWS
Job Title: MANAGER-AIR PROGRAMS
Name of Organization/Firm: TAMPA ELECTRIC COMPANY
Telephone: 813 - 228 - 1282
Fax:
E-mail: BTBURROWS@TECOENERGY.COM
Street Address: 702 N. FRANKLIN ST.

City: TAMPA
State: FL
Zip: 33602

II. FACILITY SECTION**FACILITY IDENTIFICATION INFORMATION**

Facility ID: 0570039
Owner/Company Name: TAMPA ELECTRIC COMPANY
Site Name: BIG BEND STATION
Description of Location: BIG BEND STATION
Street Address: 13031 WYANDOTTE ROAD
City: APOLLO BEACH
County: HILLSBOROUGH
ZIP: 33572 - 9200
Relocatable: NO
Existing Title V Permitted Facility? YES
Facility Status: A - ACTIVE
Comment: ELECTRIC GENERATING STATION/NSPS TITLE V SOURCE

FACILITY LOCATION AND TYPE

Facility UTM Coordinates: Zone: 17 East(km): 363.15 North(km): 3074.91
Facility Latitude: Degrees: 27 Minutes: 47 Seconds: 36
Facility Longitude: Degrees: 82 Minutes: 24 Seconds: 11
Facility SIC Codes: Primary: 4911 - ELECTRIC, GAS AND SANITARY SERVICES
 ELECTRIC SERVICES
 ELECTRIC SERVICES
Governmental Facility Code: 0 - NONE (NON-GOVERNMENTAL FACILITY)
Facility Status: A - ACTIVE
Facility Major Group SIC: 49 - ELECTRIC, GAS AND SANITARY SERVICES

FACILITY CONTACT INFORMATION

First Name: SHARON
Middle Name:
Last Name: GOOD
Name Suffix:
Job Title: SENIOR ENGINEER
Name of Organization/Firm: TAMPA ELECTRIC COMPANY
Telephone: 813 - 228 - 4654
Fax: 813 - 228 - 1308
E-mail: SCGOOD@TECOENERGY.COM
Street Address: P.O. BOX 111

City: TAMPA
State: FL
Zip: 33601 - 0111

FACILITY REGULATORY CLASSIFICATIONS

Small Business Stationary Source: Not Applicable
Synthetic Non-Title V Source: No
Title V Source: Yes
Major Source of Air Pollutants Other than Hazardous Air Pollutants (HAPs): Yes
Synthetic Minor Source of Air Pollutants Other than Hazardous Air Pollutants (HAPs): No
Major Source of Hazardous Air Pollutants (HAPs): Yes
Synthetic Minor Source of HAPs: No
One or More Emissions Units Subject to NSPS (40 CFR Part 60): Yes
One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60): No

One or More Emissions Units Subject to NESHA (40 CFR Part 61 or Part 63): Yes

Title V Source by EPA Designation (40 CFR 70.3(a)(5)): No

Facility Regulatory Classifications Comment:

FACILITY POLLUTANT INFORMATION						
Code	Description	Class	Requested Emissions Cap		Basis for Emissions Cap	Comment
			(lb/hour)	(tons/year)		
CO	Carbon Monoxide	A				
F049	Propylene	C				
H001	Acetaldehyde	C				
H004	Acetophenone	C				
H006	Acrolein	C				
H014	Antimony Compounds	C				
H015	Arsenic Compounds (inorganic including arsine)	C				
H017	Benzene (including benzene from gasoline)	C				
H020	Benzyl chloride	C				
H021	Beryllium Compounds	C				
H022	Biphenyl	C				
H023	Bis(2-ethylhexyl)phthalate (DEHP)	C				
H025	Bromoform	C				
H026	1,3-Butadiene	C				
H027	Cadmium Compounds	C				
H032	Carbon disulfide	C				
H040	2-Chloroacetophenone	C				
H041	Chlorobenzene	C				
H043	Chloroform	C				
H046	Chromium Compounds	C				
H047	Cobalt Compounds	C				
H053	Cumene	C				
H054	Cyanide Compounds	C				
H058	Dibenzofurans	C				
H076	Dimethyl sulfate	C				
H079	2,4-Dinitrotoluene	C				
H085	Ethyl benzene	C				
H087	Ethyl chloride (Chloroethane)	C				
H088	Ethylene dibromide (Dibromoethane)	C				
H089	Ethylene dichloride (1,2-Dichloroethane)	C				
H095	Formaldehyde	C				
H104	Hexane	C				
H106	Hydrogen chloride (Hydrochloric acid)	A				
H107	Hydrogen fluoride (Hydrofluoric acid)	A				
H109	Isophorone	C				
H110	Lead Compounds	C				
H113	Manganese Compounds	C				
H114	Mercury Compounds	C				
H117	Methyl bromide (Bromomethane)	C				
H118	Methyl chloride (Chloromethane)	C				
H119	Methyl chloroform (1,1,1-Trichloroethane)	C				
H120	Methyl ethyl ketone (2-Butanone)	C				

H121	Methyl hydrazine	C			
H125	Methyl methacrylate	C			
H126	Methyl tert butyl ether	C			
H128	Methylene chloride (Dichloromethane)	C			
H132	Naphthalene	C			
H133	Nickel Compounds	A			
H144	Phenol	C			
H148	Phosphorus	C			
H151	Polycyclic organic matter	C			
H154	Propionaldehyde	C			
H162	Selenium Compounds	C			
H163	Styrene	C			
H165	2,3,7,8-Tetrachlorodibenzo-p-dioxin	C			
H167	Tetrachloroethylene (Perchloroethylene)	C			
H169	Toluene	C			
H182	Vinyl acetate	C			
H186	Xylenes (isomers and mixtures)	C			
H187	o-Xylenes	C			
HAPS	Total Hazardous Air Pollutants	A			
NH3	Ammonia	C			
NOX	Nitrogen Oxides	A			
PB	Lead - Total (elemental lead and lead compounds)	A			
PM	Particulate Matter - Total	A			
PM10	Particulate Matter - PM10	A			
SO2	Sulfur Dioxide	A			
VOC	Volatile Organic Compounds	A			

FACILITY ADDITIONAL INFORMATION		
Description	Applicable?	Attachment?
AREA MAP SHOWING FACILITY LOCATION	No	No
FACILITY PLOT PLAN Previously submitted? YES Submittal Date: 6/25/2004		No
PROCESS FLOW DIAGRAM(s) Previously submitted? YES Submittal Date: 6/25/2004		No
PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER Previously submitted? YES Submittal Date: 6/25/2004		No
LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3),F.A.C.)	No	No
LIST OF INSIGNIFICANT ACTIVITIES	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	No
COMPLIANCE REPORT AND PLAN	No	No
LIST OF EQUIPMENT/ACTIVITIES REGULATED UNDER TITLE VI Equipment/Activities On Site but Not Required to be Individually Listed? NO	No	No
VERIFICATION OF RISK MANAGEMENT PLAN SUBMISSION TO EPA	No	No
REQUESTED CHANGES TO CURRENT TITLE V AIR OPERATION PERMIT	No	No
DESCRIPTION OF PROPOSED CONSTRUCTION, MODIFICATION, or PLANTWIDE APPLICABILITY LIMIT (PAL)	No	No
RULE APPLICABILITY ANALYSIS	No	No
LIST OF EXEMPT EMISSIONS UNITS (RULE 62-210.300(3),F.A.C.)	No	No
FUGITIVE EMISSIONS IDENTIFICATION	No	No
AIR QUALITY ANALYSIS (RULE 62-212.400(7),F.A.C.)	No	No

SOURCE IMPACT ANALYSIS (RULE 62-212.400(5), F.A.C.)	No	No
AIR QUALITY IMPACT SINCE 1977 (RULE 62-212.400(4)(e), F.A.C.)	No	No
ADDITIONAL IMPACT ANALYSES (RULES 62-212.400(8) and 62-212.500(4)(e), F.A.C.)	No	No
ALTERNATIVE ANALYSIS REQUIREMENTS (RULE 62-212.500(4)(g), F.A.C.)	No	No
OTHER FACILITY INFORMATION	No	No

Facility Additional Items Comment:

FACILITY ATTACHMENTS

*** No Facility Attachments Found ***

III. EMISSIONS UNIT SECTION

EU 004: DESCRIPTION AND DETAIL INFORMATION

Regulated/Unregulated: REGULATED

Type of EU: THIS EU 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).

EU Description: Unit No. 4 Steam Generator (Phase II Acid Rain Unit)

EU Status: A - ACTIVE

Commence Construction Date:

Initial Startup Date:

EU Major Group SIC: 49 - ELECTRIC, GAS AND SANITARY SERVICES

Acid Rain Unit: Yes

Package Unit Manufacturer:

Package Unit Model #:

Generator Nameplate Rating: 486 MW

EU Comment: B1=TONS/HR OF COAL BURN PSD

EU 004: CONTROL EQUIPMENT/METHOD (CE) INFORMATION

CE Code	Control Equipment/Method Name	Description
0	NO CONTROL EQUIPMENT	Good Combustion Design
1	WET SCRUBBER HIGH EFFICIENCY (95.0-99.9%)	
10	ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)	Electrostatic precipitator with flue gas conditioning system. The flue gas conditioning system and the FGD system are not operated simultaneously.
42	WET LIMESTONE INJECTION	Flue gas desulfurization (FGD) system, wet limestone scrubber.
139	SCR (SELECTIVE CATALYTIC REDUCTION)	Selective Catalytic Reduction (to be in service 5/1/07)
204	OVERFIRE AIR	Separated Overfire Air
205	LOW NOX BURNERS	Low NOx Burner

EU 004: OPERATING CAPACITY AND SCHEDULE

Maximum Process or Throughput Rate:

Maximum Process or Throughput Rate Units:

Maximum Production Rate:

Maximum Production Rate Units:

Maximum Heat Input Rate: 4330 mmBtu/hr

Maximum Incineration Rate:

Requested Maximum Operating Schedule:

Operating Capacity andMax. heat input is nominally 4330 mmBTU/hr. This is solely to identify the Schedule Comment: capacity for the purposes of confirming that emissions tests are conducted within 90-100% of the rated capacity.

EU 004: POINT (STACK/VENT) INFORMATION

Identification of Point on Plot

Plan or Flow Diagram?
Emission Point Type Code: 1 - A SINGLE EMISSION POINT SERVING A SINGLE EMISSIONS UNIT
Discharge Type Code:
Stack Height: 490 feet
Exit Diameter: 24 feet
Exit Temperature: 127 Fahrenheit
Actual Volumetric Flow Rate: 1614250 acfm
Water Vapor: 13.7 %
Maximum Dry Standard Flow Rate:
Nonstack Emission Point Height:
Emission Point UTM Coordinates: Zone: 17 East(km): 361.82 North(km): 3075.04
Emission Point Latitude: DD: 27 MM: 47 SS: 39
Emission Point Longitude: DD: 82 MM: 25 SS: 0
Emission Point Comment:

EU 004: SEGMENT (PROCESS/FUEL) INFORMATION

SCC Code: 10100212

Units: Tons Bituminous Coal Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Bituminous/Subbituminous Coal
Description 4: Pulverized Coal: Dry Bottom (Tangential) (Bituminous Coal)
Is this a Valid Segment? YES
Segment Description (Process/Fuel Type): Bituminous Coal
Maximum Hourly Rate: 197
Maximum Annual Rate: 1724127
Estimated Annual Activity Factor:
Maximum % Sulfur: 5.4
Maximum % Ash: 13.3
Million Btu per SCC Unit: 22
Segment Comment: Btu per SCC unit value based on a nominal coal heat content of 11,000 Btu/lb.

SCC Code: 10100501

Units: 1000 Gallons Distillate Oil (No. 1 & 2) Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Distillate Oil
Description 4: Grades 1 and 2 Oil
Is this a Valid Segment? YES
Segment Description (Process/Fuel Type): Distillate Oil
Maximum Hourly Rate:
Maximum Annual Rate:
Estimated Annual Activity Factor:
Maximum % Sulfur: 0.5
Maximum % Ash: 0.1
Million Btu per SCC Unit: 139
Segment Comment: No.2 oil used for ignition during startup.

SCC Code: 10100801

Units: Tons Coke Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation

Description 3: Coke
Description 4: All Boiler Sizes
Is this a Valid Segment? YES
Segment Description Petroleum coke
(Process/Fuel Type):
Maximum Hourly Rate: 39.4
Maximum Annual Rate: 344825
Estimated Annual Activity
Factor:
Maximum % Sulfur: 7
Maximum % Ash: 0.8
Million Btu per SCC Unit: 28
Segment Comment: Coal/petroleum coke blends will be burned only with the FGD system operating. Up to 20% petcoke/80% coal allowed.

SCC Code: 10101201

Units: Tons Solid Waste Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Solid Waste
Description 4: Specify Waste Material in Comments
Is this a Valid Segment? YES
Segment Description Raw Coal Residual from Polk Power Station
(Process/Fuel Type):
Maximum Hourly Rate:
Maximum Annual Rate: 73000
Estimated Annual Activity
Factor:
Maximum % Sulfur: 1.43
Maximum % Ash: 57.7
Million Btu per SCC Unit: 6
Segment Comment: Raw coal residual. Facility-wide limit: 200 tpd; equivalent to 73000 tpy.

SCC Code: 10101202

Units: Tons Refuse Derived Fuel Burned
Description 1: External Combustion Boilers
Description 2: Electric Generation
Description 3: Solid Waste
Description 4: Refuse Derived Fuel
Is this a Valid Segment? YES
Segment Description Refined/Beneficiated Coal Residual from Polk Power Station
(Process/Fuel Type):
Maximum Hourly Rate:
Maximum Annual Rate: 182500
Estimated Annual Activity
Factor:
Maximum % Sulfur: 1.5
Maximum % Ash: 35.4
Million Btu per SCC Unit: 18
Segment Comment: Beneficiated coal residual. Facility-wide limit: 500 tpd; equivalent to 182500 tpy.

EU 004: EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Pollutant Code: CO
Pollutant Description: Carbon Monoxide
Is this a Valid Pollutant? YES
Include in the Facility NO
Emissions Cap?
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT

Primary Control Device: NO CONTROL EQUIPMENT
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions: 866 lb/hour 3793 tons/year
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor: 0.2
Emission Factor Units: LB/MMBTU (025)
Emission Factor Reference: ENGINEERING STUDY
Emissions Method Code:
Baseline Actual Emissions (if required): 449 tons/year
Baseline 24-Month Period: 1/1/2004 to 12/31/2005
Projected Actual Emissions (if required): 3094 tons/year
Projected Monitoring Period: 5 years
Calculation of Emissions: Projected Actual = (0.2 lb/MMBtu emission rate)*(30,944,011 MMBTU)/2000lbs/ton)=3094 tons/yr Past Actual =(0.029 lb/MMBtu emission rate)*(30,944,011 MMBTU)/2000 lb/ton)=449 tons/yr
Potential, Fugitive, and Actual Emissions Comment: Final Judgment to install early NOx controls (LNB & SOFA).Decreasing NOx emissions will result in an increase in CO emissions).

Pollutant Code: H001
Pollutant Description: Acetaldehyde
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H004
Pollutant Description: Acetophenone
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:

Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H006

Pollutant Description: Acrolein

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H014

Pollutant Description: Antimony Compounds

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:

Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H015

Pollutant Description: Arsenic Compounds (inorganic including arsine)
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H017

Pollutant Description: Benzene (including benzene from gasoline)
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):

required):
 Baseline 24-Month Period:
 Projected Actual Emissions (if
 required):
 Projected Monitoring Period:
 Calculation of Emissions:
 Potential, Fugitive, and Actual
 Emissions Comment:

Pollutant Code: H020

Pollutant Description: Benzyl chloride

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

**Range of Estimated Fugitive
Emissions:**

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

**Baseline Actual Emissions (if
required):**

Baseline 24-Month Period:

**Projected Actual Emissions (if
required):**

Projected Monitoring Period:

Calculation of Emissions:

**Potential, Fugitive, and Actual
Emissions Comment:**

Pollutant Code: H021

Pollutant Description: Beryllium Compounds

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

**Range of Estimated Fugitive
Emissions:**

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

**Baseline Actual Emissions (if
required):**

Baseline 24-Month Period:

**Projected Actual Emissions (if
required):**

Projected Monitoring Period:

**Calculation of Emissions:
Potential, Fugitive, and Actual
Emissions Comment:**

Pollutant Code: H022

Pollutant Description: Biphenyl
Is this a Valid Pollutant? YES
Include in the Facility NO
Emissions Cap?
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H023

Pollutant Description: Bis(2-ethylhexyl)phthalate (DEHP)
Is this a Valid Pollutant? YES
Include in the Facility NO
Emissions Cap?
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H025

Pollutant Description: Bromoform
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H027
Pollutant Description: Cadmium Compounds
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H032
Pollutant Description: Carbon disulfide
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK

PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H040

Pollutant Description: 2-Chloroacetophenone

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H041

Pollutant Description: Chlorobenzene

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:

Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H043

Pollutant Description: Chloroform
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H046

Pollutant Description: Chromium Compounds
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:

Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H047

Pollutant Description: Cobalt Compounds

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive

Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H053

Pollutant Description: Cumene

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive

Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H054

Pollutant Description: Cyanide Compounds

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H058

Pollutant Description: Dibenzofurans

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual

Emissions Comment:**Pollutant Code: H076****Pollutant Description:** Dimethyl sulfate**Is this a Valid Pollutant?** YES**Include in the Facility**
Emissions Cap? NO**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive****Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if**
required):**Baseline 24-Month Period:****Projected Actual Emissions (if**
required):**Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual**
Emissions Comment:**Pollutant Code: H079****Pollutant Description:** 2,4-Dinitrotoluene**Is this a Valid Pollutant?** YES**Include in the Facility**
Emissions Cap? NO**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive****Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if**
required):**Baseline 24-Month Period:****Projected Actual Emissions (if**
required):**Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual**
Emissions Comment:**Pollutant Code: H085****Pollutant Description:** Ethyl benzene**Is this a Valid Pollutant?** YES

Include in the Facility Emissions Cap? **NO**
 Pollutant Regulatory Code: **NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**
 Primary Control Device:
 Secondary Control Device:
 Total % Efficiency of Control:
 Potential Emissions:
 Synthetically Limited? **N**
 Range of Estimated Fugitive Emissions:
 Emission Factor:
 Emission Factor Units:
 Emission Factor Reference:
 Emissions Method Code:
 Baseline Actual Emissions (if required):
 Baseline 24-Month Period:
 Projected Actual Emissions (if required):
 Projected Monitoring Period:
 Calculation of Emissions:
 Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H087

Pollutant Description: Ethyl chloride (Chloroethane)
 Is this a Valid Pollutant? **YES**
 Include in the Facility Emissions Cap? **NO**
 Pollutant Regulatory Code: **NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**
 Primary Control Device:
 Secondary Control Device:
 Total % Efficiency of Control:
 Potential Emissions:
 Synthetically Limited? **N**
 Range of Estimated Fugitive Emissions:
 Emission Factor:
 Emission Factor Units:
 Emission Factor Reference:
 Emissions Method Code:
 Baseline Actual Emissions (if required):
 Baseline 24-Month Period:
 Projected Actual Emissions (if required):
 Projected Monitoring Period:
 Calculation of Emissions:
 Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H088

Pollutant Description: Ethylene dibromide (Dibromoethane)
 Is this a Valid Pollutant? **YES**
 Include in the Facility Emissions Cap? **NO**
 Pollutant Regulatory Code: **NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**
 Primary Control Device:

Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H089

Pollutant Description: Ethylene dichloride (1,2-Dichloroethane)
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H095

Pollutant Description: Formaldehyde
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive

Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H104

Pollutant Description: Hexane
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H106

Pollutant Description: Hydrogen chloride (Hydrochloric acid)
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:

Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H107

Pollutant Description: Hydrogen fluoride (Hydrofluoric acid)

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H109

Pollutant Description: Isophorone

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):

Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual
Emissions Comment:

Pollutant Code: H113

Pollutant Description: Manganese Compounds

Is this a Valid Pollutant? YES

Include in the Facility

NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive

Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if
required):

Baseline 24-Month Period:

Projected Actual Emissions (if
required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual
Emissions Comment:

Pollutant Code: H114

Pollutant Description: Mercury Compounds

Is this a Valid Pollutant? YES

Include in the Facility

NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive

Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if
required):

Baseline 24-Month Period:

Projected Actual Emissions (if
required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual
Emissions Comment:

Pollutant Code: H117**Pollutant Description:** Methyl bromide (Bromomethane)**Is this a Valid Pollutant?** YES**Include in the Facility****Emissions Cap?** NO**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive****Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if****required):****Baseline 24-Month Period:****Projected Actual Emissions (if****required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual****Emissions Comment:****Pollutant Code: H118****Pollutant Description:** Methyl chloride (Chloromethane)**Is this a Valid Pollutant?** YES**Include in the Facility****Emissions Cap?** NO**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive****Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if****required):****Baseline 24-Month Period:****Projected Actual Emissions (if****required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual****Emissions Comment:****Pollutant Code: H119****Pollutant Description:** Methyl chloroform (1,1,1-Trichloroethane)**Is this a Valid Pollutant?** YES**Include in the Facility****Emissions Cap?** NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H120

Pollutant Description: Methyl ethyl ketone (2-Butanone)

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H121

Pollutant Description: Methyl hydrazine

Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:

Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H125
Pollutant Description: Methyl methacrylate
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H126
Pollutant Description: Methyl tert butyl ether
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:

Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H128

Pollutant Description: Methylene chloride (Dichloromethane)
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H132

Pollutant Description: Naphthalene
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):

Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H133

Pollutant Description: Nickel Compounds
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H144

Pollutant Description: Phenol
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:

**Potential, Fugitive, and Actual
Emissions Comment:****Pollutant Code: H148****Pollutant Description:** Phosphorus**Is this a Valid Pollutant?** YES**Include in the Facility
Emissions Cap?** NO**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK
PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive
Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if
required):****Baseline 24-Month Period:****Projected Actual Emissions (if
required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual
Emissions Comment:****Pollutant Code: H151****Pollutant Description:** Polycyclic organic matter**Is this a Valid Pollutant?** YES**Include in the Facility
Emissions Cap?** NO**Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK
PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive
Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if
required):****Baseline 24-Month Period:****Projected Actual Emissions (if
required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual
Emissions Comment:****Pollutant Code: H154****Pollutant Description:** Propionaldehyde

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H162

Pollutant Description: Selenium Compounds

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:

Secondary Control Device:

Total % Efficiency of Control:

Potential Emissions:

Synthetically Limited? N

Range of Estimated Fugitive Emissions:

Emission Factor:

Emission Factor Units:

Emission Factor Reference:

Emissions Method Code:

Baseline Actual Emissions (if required):

Baseline 24-Month Period:

Projected Actual Emissions (if required):

Projected Monitoring Period:

Calculation of Emissions:

Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H163

Pollutant Description: Styrene

Is this a Valid Pollutant? YES

Include in the Facility NO

Emissions Cap?

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H165

Pollutant Description: 2,3,7,8-Tetrachlorodibenzo-p-dioxin
Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H167

Pollutant Description: Tetrachloroethylene (Perchloroethylene)
Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N

Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H169

Pollutant Description: Toluene
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H182

Pollutant Description: Vinyl acetate
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:

Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H186

Pollutant Description: Xylenes (isomers and mixtures)
Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: H187

Pollutant Description: o-Xylenes
Is this a Valid Pollutant? YES

Include in the Facility Emissions Cap? NO

Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE

Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):

required):
 Projected Monitoring Period:
 Calculation of Emissions:
 Potential, Fugitive, and Actual
 Emissions Comment:

Pollutant Code: NH3
Pollutant Description: Ammonia
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: NOX
Pollutant Description: Nitrogen Oxides
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device: LOW NOX BURNERS
Secondary Control Device: SCR (SELECTIVE CATALYTIC REDUCTION)
Total % Efficiency of Control:
Potential Emissions: 2598 lb/hour 11379 tons/year
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment: 660

Pollutant Code: PB**Pollutant Description:** Lead - Total (elemental lead and lead compounds)**Is this a Valid Pollutant?** YES**Include in the Facility****Emissions Cap?****Pollutant Regulatory Code:** NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE**Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:****Synthetically Limited?** N**Range of Estimated Fugitive****Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:****Baseline Actual Emissions (if****required):****Baseline 24-Month Period:****Projected Actual Emissions (if****required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual****Emissions Comment:****Pollutant Code: PM****Pollutant Description:** Particulate Matter - Total**Is this a Valid Pollutant?** YES**Include in the Facility****Emissions Cap?****Pollutant Regulatory Code:** EL - EMISSION-LIMITED POLLUTANT**Primary Control Device:** ELECTROSTATIC PRECIPITATOR HIGH EFFICIENCY (95.0-99.9%)**Secondary Control Device:** WET LIMESTONE INJECTION**Total % Efficiency of Control:** 99.7**Potential Emissions:** 43.3 lb/hour 189.7 tons/year**Synthetically Limited?** N**Range of Estimated Fugitive****Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:** 1 - CALCULATED BASED ON SOURCE TEST OR CONTINUOUS EMISSION MEASUREMENTS.**Baseline Actual Emissions (if****required):****Baseline 24-Month Period:****Projected Actual Emissions (if****required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual****Emissions Comment:** 660**Pollutant Code: PM10****Pollutant Description:** Particulate Matter - PM10**Is this a Valid Pollutant?** YES**Include in the Facility**

Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device:
Secondary Control Device:
Total % Efficiency of Control:
Potential Emissions:
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code:
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment:

Pollutant Code: SO2
Pollutant Description: Sulfur Dioxide
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: EL - EMISSION-LIMITED POLLUTANT
Primary Control Device: WET LIMESTONE INJECTION
Secondary Control Device:
Total % Efficiency of Control: 98
Potential Emissions: 3551 lb/hour 15552 tons/year
Synthetically Limited? N
Range of Estimated Fugitive Emissions:
Emission Factor:
Emission Factor Units:
Emission Factor Reference:
Emissions Method Code: 1 - CALCULATED BASED ON SOURCE TEST OR CONTINUOUS EMISSION MEASUREMENTS.
Baseline Actual Emissions (if required):
Baseline 24-Month Period:
Projected Actual Emissions (if required):
Projected Monitoring Period:
Calculation of Emissions:
Potential, Fugitive, and Actual Emissions Comment: 660

Pollutant Code: VOC
Pollutant Description: Volatile Organic Compounds
Is this a Valid Pollutant? YES
Include in the Facility Emissions Cap? NO
Pollutant Regulatory Code: NS - POLLUTANT NOT EMISSIONS-LIMITED NOT SUBJECT TO WORK PRACTICE
Primary Control Device: NO CONTROL EQUIPMENT
Secondary Control Device: NO CONTROL EQUIPMENT

Total % Efficiency of Control:**Potential Emissions:** 10 lb/hour 43 tons/year**Synthetically Limited?** N**Range of Estimated Fugitive Emissions:****Emission Factor:****Emission Factor Units:****Emission Factor Reference:****Emissions Method Code:** 3 - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.**Baseline Actual Emissions (if required):****Baseline 24-Month Period:****Projected Actual Emissions (if required):****Projected Monitoring Period:****Calculation of Emissions:****Potential, Fugitive, and Actual Emissions Comment:****EU 004: POLLUTANT ALLOWABLE EMISSIONS INFORMATION****Pollutant Code: CO****Pollutant Description:** Carbon Monoxide**Basis for Allowable Emissions Code:** OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS**Future Effective Date of Allowable Emissions:****Allowable Emissions:** 0.2**Allowable Emissions Unit:** POUNDS PER MILLION BTU HEAT INPUT (01)**Equivalent Allowable Emissions:** 866 lb/hour 3793 tons/year**Method of Compliance:** EPA Method 10 or 350**Comment/Description of Operating Method:** Installation of LNB and SOFA that was required by EPA and FDEP caused an increase in CO emissions. Proposed limit is based on good combustion design.**Pollutant Code: NH3****Pollutant Description:** Ammonia**Basis for Allowable Emissions Code:** OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS**Future Effective Date of Allowable Emissions:** 6/1/2007**Allowable Emissions:** 10**Allowable Emissions Unit:** OTHER (SPECIFY IN COMMENT) (99)**Equivalent Allowable Emissions:****Method of Compliance:** Annual Stack Test**Comment/Description of Operating Method:** Allowable emissions measured in ppmv. Basis: Applicant Request. Corrective measure must be taken if measured value exceed 5 ppmv. See 0570039-020-AC.**Pollutant Code: NOX****Pollutant Description:** Nitrogen Oxides**Basis for Allowable Emissions Code:** RULE - NUMERICAL EMISSIONS LIMITATION REQUIRED BY RULE**Future Effective Date of Allowable Emissions:****Allowable Emissions:** 0.6**Allowable Emissions Unit:** POUNDS PER MILLION BTU HEAT INPUT (01)**Equivalent Allowable Emissions:**

Emissions: 2598 lb/hour 11379 tons/year
Method of Compliance:
Comment/Description of Operating Method:

Pollutant Code: NOX
Pollutant Description: Nitrogen Oxides
Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS
Future Effective Date of Allowable Emissions:
Allowable Emissions: 0.44
Allowable Emissions Unit: POUNDS PER MILLION BTU HEAT INPUT (01)
Equivalent Allowable Emissions: 1905 lb/hour 8345 tons/year
Method of Compliance: Acid Rain Compliance
Comment/Description of Operating Method: NOx emission average plan

Pollutant Code: NOX
Pollutant Description: Nitrogen Oxides
Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS
Future Effective Date of Allowable Emissions: 6/1/2007
Allowable Emissions: 0.1
Allowable Emissions Unit: POUNDS PER MILLION BTU HEAT INPUT (01)
Equivalent Allowable Emissions: 433 lb/hour 1897 tons/year
Method of Compliance: Heat Input Weighted - 30 days rolling average.
Comment/Description of Operating Method: Basis for allowable: Applicant Request. Limit based on heat input of 4330 MMBtu/hr.

Pollutant Code: PM
Pollutant Description: Particulate Matter - Total
Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS
Future Effective Date of Allowable Emissions:
Allowable Emissions: 0.03
Allowable Emissions Unit: POUNDS PER MILLION BTU HEAT INPUT (01)
Equivalent Allowable Emissions:
Method of Compliance:
Comment/Description of Operating Method: TEC Note: SOOTBLOWING LIMIT NOT APPLICABLE TO UNIT 4. PLEASE UPDATE.

Pollutant Code: PM
Pollutant Description: Particulate Matter - Total
Basis for Allowable Emissions Code: OTHER - REQUESTED BY APPLICANT FOR OTHER REASONS
Future Effective Date of Allowable Emissions:
Allowable Emissions: 0.01
Allowable Emissions Unit: POUNDS PER MILLION BTU HEAT INPUT (01)
Equivalent Allowable Emissions: 43.3 lb/hour 189.7 tons/year
Method of Compliance: Stack test
Comment/Description of Operating Method: Allowable emission established through Consent Order

Pollutant Code: SO2

Pollutant Description: Sulfur Dioxide

Basis for Allowable Emissions Code: RULE - NUMERICAL EMISSIONS LIMITATION REQUIRED BY RULE

Future Effective Date of

Allowable Emissions:

Allowable Emissions: 0.82

Allowable Emissions Unit: POUNDS PER MILLION BTU HEAT INPUT (01)

Equivalent Allowable Emissions: 3551 lb/hour 15662 tons/year

Method of Compliance: CMS

Comment/Description of Operating Method: 62-204.800(7)(b)2, F.A.C.; 40 CFR 60.43a(a)(1); PSD-FL-040

EU 004: VISIBLE EMISSIONS INFORMATION

Visible Emissions Subtype: VE20

Basis for Allowable Opacity: RULE

Requested Allowable Opacity in Normal Conditions: 020 %

Requested Allowable Opacity in Exceptional Conditions: 27 %

Maximum Period of Excess Opacity Allowed: 6 min/hour

Compliance Test Method(s):

Visible Emissions Comment:

EU 004: CONTINUOUS MONITOR INFORMATION**Parameter Code: CO2 - Carbon dioxide**

CMS Requirement:

Monitor Manufacturer: SIEMENS

Model Number: 5E

Serial Number: E3-794

Installation Date:

Performance Specification Test

Date:

Status: ACTIVE

Continuous Monitor Comment: Stack outlet

Parameter Code: CO2 - Carbon dioxide

CMS Requirement:

Monitor Manufacturer: SIEMENS

Model Number: ULTRAMAT 6E

Serial Number: N1-R5-0790

Installation Date: 7/1/2003

Performance Specification Test

Date:

Status: ACTIVE

Continuous Monitor Comment:

Parameter Code: EM - EMISSION

Pollutant(s) Monitored: SO2 - Sulfur Dioxide

CMS Requirement:

Monitor Manufacturer: THERMO ENVIRONMENTAL

Model Number: 43B
Serial Number: 43B-48366-280
Installation Date:
Performance Specification Test
Date:
Status: ACTIVE
Continuous Monitor SO2 Stack Outlet
Comment:

Parameter Code: EM - EMISSION
Pollutant(s) Monitored: NOX - Nitrogen Oxides
CMS Requirement:
Monitor Manufacturer: THERMO ENVIRONMENTAL
Model Number: 42D
Serial Number: 42D-47899-279
Installation Date:
Performance Specification Test
Date:
Status: ACTIVE
Continuous Monitor NOx FGD Inlet Duct
Comment:

Parameter Code: EM - EMISSION
Pollutant(s) Monitored: SO2 - Sulfur Dioxide
CMS Requirement:
Monitor Manufacturer: THERMO-ENVIRONMENTAL
Model Number: 43B
Serial Number: 43B-48236-280
Installation Date:
Performance Specification Test
Date:
Status: ACTIVE
Continuous Monitor SO2 FGD Inlet duct
Comment:

Parameter Code: EM - EMISSION
Pollutant(s) Monitored: NOX - Nitrogen Oxides
CMS Requirement:
Monitor Manufacturer: TECO
Model Number: 42C
Serial Number: 78155-388
Installation Date: 7/1/2003
Performance Specification Test
Date:
Status: ACTIVE
Continuous Monitor NOx FGD inlet duct
Comment:

Parameter Code: EM - EMISSION
Pollutant(s) Monitored: SO2 - Sulfur Dioxide
CMS Requirement:
Monitor Manufacturer: TECO
Model Number: 43C
Serial Number: 78956-390
Installation Date: 7/1/2003
Performance Specification Test
Date:
Status: ACTIVE
Continuous Monitor SO2 FGD inlet duct
Comment:

Parameter Code: FLOW - Volumetric flow rate**CMS Requirement:****Monitor Manufacturer:** MONITOR LABS**Model Number:** 150**Serial Number:** 1500095**Installation Date:** 7/1/2003**Performance Specification Test****Date:****Status:** ACTIVE**Continuous Monitor****Comment:****Parameter Code: O2 - Oxygen****CMS Requirement:****Monitor Manufacturer:** LEAR-SIEGLER**Model Number:** CM-50**Serial Number:** 073933**Installation Date:****Performance Specification Test****Date:****Status:** ACTIVE**Continuous Monitor****Comment:****Parameter Code: VE - Visible emissions (opacity)****CMS Requirement:****Monitor Manufacturer:** SIEMENS**Model Number:** 5E**Serial Number:** E3-791**Installation Date:****Performance Specification Test****Date:****Status:** ACTIVE**Continuous Monitor****Comment:** FGD Inlet Duct**Parameter Code: VE - Visible emissions (opacity)****CMS Requirement:****Monitor Manufacturer:** TECO**Model Number:** 560**Serial Number:** 5600447**Installation Date:** 7/1/2003**Performance Specification Test****Date:****Status:** ACTIVE**Continuous Monitor****Comment:****Parameter Code: VE - Visible emissions (opacity)****CMS Requirement:****Monitor Manufacturer:** CONTRAVES GOERTZ**Model Number:** M-400**Serial Number:****Installation Date:****Performance Specification Test****Date:****Status:** ACTIVE**Continuous Monitor****Comment:** Latest COM Model

EU 004: ADDITIONAL ITEMS		
Description	Applicable?	Attachment?
PROCESS FLOW DIAGRAM Previously submitted? YES Submittal Date: 2/8/2005	No	No
FUEL ANALYSIS OR SPECIFICATION Previously submitted? YES Submittal Date: 6/25/2004	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT Previously submitted? YES Submittal Date: 2/8/2005	No	No
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN Previously submitted? YES Submittal Date: 6/25/2004	No	No
OPERATION AND MAINTENANCE PLAN Previously submitted? YES Submittal Date: 6/25/2004	No	No
COMPLIANCE DEMONSTRATION REPORTS/RECORDS Previously submitted? NO Submittal Date: Previously Submitted Test Date(s)/Pollutants Tested: To Be submitted? YES Submittal Date: 4/30/2007 To Be Submitted Test Date(s)/Pollutants Tested: CO	Yes	Yes
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No
IDENTIFICATION OF APPLICABLE REQUIREMENTS	No	No
COMPLIANCE ASSURANCE MONITORING PLAN	No	No
ALTERNATIVE METHODS OF OPERATION	No	No
ACID RAIN PART (FORM NO. 62-210.900(1)(a)) Previously submitted? NO Submittal Date:	No	No
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	Yes	Yes
GOOD ENGINEERING PRACTICE STACK HEIGHT ANALYSIS (RULE 62-212.400 (4)(d), F.A.C., and RULE 62-212.500(4)(f), F.A.C.)	No	No
ALTERNATIVE MODES OF OPERATION (EMISSIONS TRADING)	No	No
REPOWERING EXTENSION PLAN (FORM NO. 62-210.900(1)(a)1.) Previously submitted? NO Submittal Date:	No	No
NEW UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)2.) Previously submitted? NO Submittal Date:	No	No
RETIRED UNIT EXEMPTION (FORM NO. 62-210.900(1)(a)3.) Previously submitted? NO Submittal Date:	No	No
PHASE II NO_x COMPLIANCE PLAN (FORM NO. 62-210.900(1)(a)4.) Previously submitted? NO Submittal Date:	No	No
PHASE II NO_x AVERAGING PLAN (FORM NO. 62-210.900(1)(a)5.) Previously submitted? NO Submittal Date:	No	No
CERTIFICATE OF REPRESENTATION (EPA FORM NO. 7610-1)	No	No
OTHER EMISSIONS UNIT INFORMATION	No	No
EU Additional Items Comment:		

EU 004: ATTACHMENTS				
Description	Electronic?	Attachment Description	Electronic File Name	Date Uploaded
COMPLIANCE DEMONSTRATION REPORTS/RECORDS	Yes	BB4 AH Inlet CO Data	K_My Documents_BB_AH Emissions Data-July 04.pdf	4/23/2007
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400 (10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e))	Yes	BB4 CO BACT Analysis	C_Documents and Settings_tsbtb_My Documents_Big Bend_CO_Unit 4 CO BACT Analysis 043007.pdf	4/30/2007

PROFESSIONAL ENGINEER CERTIFICATION:

I hereby certify, 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 pollution 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.

(3) If the purpose of this application is to obtain a Title V 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 plan and schedule is submitted with this application.

(4) If the purpose of this application is to obtain an air construction permit (check here , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal 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.

(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal 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 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.

* Explain any exception to the certification statement.

Professional Engineer Name: BYRON BURROWS
Professional Engineer Registration Number: 53817
Date Professional Engineer Submitted: 4/30/2007

*** End of Application for Air Permit - Long Form ***
Printed on 4/30/2007

FACILITY: TAMPA ELECTRIC COMPANY (#0570039)
 APPLICATION: TEC BB4 CO LIMIT MODIFICATION (#1433-1)

Facility Attachments				
No Facility Attachments Found as of: 4/30/2007 3:00:37 PM				
Emissions Unit Attachments				
Emissions Unit: 004 - Unit No. 4 Steam Generator (Phase II Acid Rain Unit)				
Supplemental Item	Electronic File Name	Attachment Description	Electronic Document?	Date Uploaded
COMPLIANCE DEMONSTRATION REPORTS/RECORDS	AH Emissions Data-July 04.pdf	BB4 AH Inlet CO Data	Yes	4/23/2007
CONTROL TECHNOLOGY REVIEW AND ANALYSIS (RULES 62-212.400(10) and 62-212.500(7), F.A.C.;40 CFR 63.43(d) and (e))	Unit 4 CO BACT Analysis 043007.pdf	BB4 CO BACT Analysis	Yes	4/30/2007
Report Completed as of: 4/30/2007 3:00:44 PM				

**Foster Wheeler Engineering Study
July 2004**

In preparation for the Big Bend Station Unit #4 Selective Catalytic Reduction (SCR) NOx control system and for optimizing the Separate Over-fire Air (SOFA) system, an engineering study was conducted by Foster Wheeler, Inc. The engineering study was conducted at the inlet to the air pre-heater at discrete points in each port. The test was performed at two levels of boiler oxygen concentrations representing the expected range during normal operation.

At approximately 1.5% O₂ in the boiler, the individual probe concentrations varied between 30 ppmvd and 600 ppmvd (0.025 lb/MMBtu to 0.509 lb/MMBtu). At approximately 1.8% O₂ in the boiler, the individual probe concentrations varied between 4 ppmvd and 206 ppmvd (0.0035 lb/MMBtu to 0.177 lb/MMBtu).

Boiler O ₂	Average CO Concentration (ppmvd) ¹	Average CO Concentration (lb/MMBtu)
1.5%	215	0.19
1.8%	75	0.066

¹ These values are based on the average of the beginning and ending test composite samples.

Tampa Electric - Big Bend Station Unit #4
FW Contract No. 65-107569-00
Air Heater Inlet Emissions Data

Test No.	Full Load - 1.5%
Date	07/29/04
Start Time	11:00am
End Time	1:50pm
Page	1 of 1

AH Inlet East Side	O2 % (dry)	CO ppm	NOx ppm	Inlet NOx lb/mmBTU	AH Inlet West Side	O2 % (dry)	CO ppm	NOx ppm	Inlet NOx lb/mmBTU
Test Point No.'s					Test Point No.'s				
Start Composite (1 - 9)	3.80	230	106	0.152	End Composite (1 - 9)	4.00	199	105	0.152
Composite Left (1 - 5)	NT	NT	NT	NT	Composite Left (1 - 5)				
Composite Right (6 - 9)	NT	NT	NT	NT	Composite Right (6 - 9)				
Probe 1 Short					Probe 6 Short				
Probe 1 Medium	4.40	70	99	0.147	Probe 6 Medium	3.30	38	107	0.149
Probe 1 Long					Probe 6 Long				
Probe 1 XLong					Probe 6 XLong				
Probe 2 Short					Probe 7 Short				
Probe 2 Medium	3.40	500	103	0.144	Probe 7 Medium	2.95	30	110	0.150
Probe 2 Long					Probe 7 Long				
Probe 2 XLong					Probe 7 XLong				
Probe 3 Short					Probe 8 Short				
Probe 3 Medium	3.65	440	103	0.146	Probe 8 Medium	3.40	600	110	0.154
Probe 3 Long					Probe 8 Long				
Probe 3 XLong					Probe 8 XLong				
Probe 4 Short					Probe 9 Short				
Probe 4 Medium	3.70	420	103	0.146	Probe 9 Medium	5.40	61	103	0.163
Probe 4 Long					Probe 9 Long				
Probe 4 XLong					Probe 9 XLong				
Probe 5 Short									
Probe 5 Medium	3.50	420	103	0.145					
Probe 5 Long									
Probe 5 XLong									
Probe Average (1 - 5)	3.73	370	102	0.146	Probe Average (6 - 9)	3.76	182	108	0.153
Probe Average (1 - 9)	3.74	287	105	0.149					
Composite Average (1-5)	NT	NT	NT	NT	Composite Average (6-9)	NT	NT	NT	NT
Composite Average (1-9)	3.90	215	106	0.152					

Tampa Electric - Big Bend Station Unit #4
FW Contract No. 65-107569-00
Air Heater Inlet Emissions Data

Test No.	Full Load - 1.8%
Date	07/29/04
Start Time	2:30pm
End Time	4:00pm
Page	1 of 1

AH Inlet East Side	O2 % (dry)	CO ppm	NOx ppm	Inlet NOx lb/mmBTU	AH Inlet West Side	O2 % (dry)	CO ppm	NOx ppm	Inlet NOx lb/mmBTU
Test Point No.'s					Test Point No.'s				
Start Composite (1 - 9)	3.75	78	99	0.141	End Composite (1 - 9)	4.10	72	101	0.147
Composite Left (1 - 5)	NT	NT	NT	NT	Composite Left (1 - 5)				
Composite Right (6 - 9)	NT	NT	NT	NT	Composite Right (6 - 9)				
Probe 1 Short					Probe 6 Short				
Probe 1 Medium	4.35	25	94	0.139	Probe 6 Medium	3.70	8	106	0.151
Probe 1 Long					Probe 6 Long				
Probe 1 XLong					Probe 6 XLong				
Probe 2 Short					Probe 7 Short				
Probe 2 Medium	3.60	206	97	0.137	Probe 7 Medium	3.40	14	107	0.150
Probe 2 Long					Probe 7 Long				
Probe 2 XLong					Probe 7 XLong				
Probe 3 Short					Probe 8 Short				
Probe 3 Medium	3.50	176	100	0.141	Probe 8 Medium	3.70	167	111	0.158
Probe 3 Long					Probe 8 Long				
Probe 3 XLong					Probe 8 XLong				
Probe 4 Short					Probe 9 Short				
Probe 4 Medium	3.55	144	101	0.142	Probe 9 Medium	4.70	9	105	0.159
Probe 4 Long					Probe 9 Long				
Probe 4 XLong					Probe 9 XLong				
Probe 5 Short									
Probe 5 Medium	3.75	4	110	0.157					
Probe 5 Long									
Probe 5 XLong									
Probe Average (1 - 5)	3.75	111	100	0.143	Probe Average (6 - 9)	3.88	50	107	0.154
Probe Average (1 - 9)	3.81	84	103	0.148					
Composite Average (1-5)	NT	NT	NT	NT	Composite Average (6-9)	NT	NT	NT	NT
Composite Average (1-9)	3.93	75	100	0.144					

BIG BEND STATION UNIT 4

CARBON MONOXIDE BEST AVAILABLE CONTROL TECHNOLOGY ANALYSIS

BACKGROUND

The current Big Bend Station Title V Permit (FINAL Permit No. 0570039-021-AV) includes a permit condition (Condition B.10.) that specifies Unit 4 carbon monoxide (CO) emission standards of 0.029 pounds per million British thermal units (lb/MMBtu) and 124 pounds per hour (lb/hr). The regulatory basis for these Title V operation permit CO standards is the Prevention of Significant Deterioration (PSD) permit modification issued by the United States Environmental Protection Agency (USEPA) over 20 years ago on October 9, 1985.

In response to a Tampa Electric Company (TEC) request to remove the current Unit 4 CO emission standards from the Title V operation permit and the underlying Prevention of Significant Deterioration (PSD) air construction permit, the Department has requested an updated CO Best Available Control Technology analysis for Unit 4. This report provides an updated assessment of CO BACT for Big Bend Station Unit 4 in response to the Department's request.

METHODOLOGY

The CO BACT analysis for Big Bend Station Unit 4 was performed in accordance with the EPA top-down method. The first step in the top-down BACT procedure is the identification of all available control technologies. Alternatives considered included process designs and operating practices that reduce the formation of emissions, postprocess stack controls that reduce emissions after they are formed, and combinations of these two control categories. Sources of information used to identify control alternatives included:

- EPA reasonably available control technology (RACT)/BACT/lowest achievable emission rate (LAER) Clearinghouse (RBLC) via the RBLC Information System database.
- EPA NSR web site.

BIG BEND STATION UNIT 4

CARBON MONOXIDE BEST AVAILABLE CONTROL TECHNOLOGY ANALYSIS

- EPA Control Technology Center (CTC) web site.
- Recent FDEP BACT determinations for similar facilities.
- Vendor information.
- Environmental Consulting & Technology, Inc. (ECT), experience for similar projects.

Following the identification of available control technologies, the next step in the analysis is to determine which technologies may be technically infeasible. Technical feasibility was evaluated using the criteria contained in Chapter B of the *EPA NSR Workshop Manual* (EPA, 1990a). The third step in the top-down BACT process is the ranking of the remaining technically feasible control technologies from high to low in order of control effectiveness.

An assessment of energy, environmental, and economic impacts is then performed. The economic analysis employed the procedures found in the Office of Air Quality Planning and Standards (OAQPS) *Air Pollution Control Cost Manual, Sixth Edition* (EPA, 2002). An assessment of energy, environmental, and economic impacts is then performed.

The fifth and final step is the selection of a BACT emission limitation corresponding to the most stringent, technically feasible control technology that was not eliminated based on adverse energy, environmental, or economic grounds.

Pursuant to Rule 62-212.400(5)(b), F.A.C., BACT emission limitations must be no less stringent than any applicable NSPS (40 CFR 60), NESHAP (40 CFR 61 and 63), and FDEP emission standards (Chapter 62-296, Stationary Sources—Emission Standards, F.A.C.). There are no NSPS, NESHAPS, or Florida emission standards for CO that are applicable to Big Bend Station Unit 4.

BIG BEND STATION UNIT 4

CARBON MONOXIDE BEST AVAILABLE CONTROL TECHNOLOGY ANALYSIS

The Big Bend Station Unit 4 CO control technology analysis using the five-step top-down BACT method is provided in the following sections.

AVAILABLE CONTROL TECHNOLOGIES

There are three available technologies for controlling CO from combustion sources: combustion process design, thermal oxidation, and catalytic oxidation.

Combustion Process Design

CO emissions result from the incomplete combustion of carbon and organic compounds. Combustion process controls involve boiler combustion designs and operation practices that improve the oxidation process and minimize incomplete combustion. Factors affecting CO emissions include firing temperatures, residence time in the combustion zone, and combustion area mixing characteristics. An increase in combustion zone residence time and improved mixing of fuel and combustion air will increase oxidation rates and cause a decrease in CO emission rates. Coal-fired boilers are designed and operated to minimize CO formation since CO emissions are indicative of inefficient combustion and unused energy.

In general, emissions of NO_x and CO are inversely related (i.e., decreasing NO_x emissions will result in an increase in CO emissions). Accordingly, boiler combustion controls designed to lower NO_x emissions would be expected to also cause an increase in CO emissions.

Thermal Oxidation

A thermal oxidizer (TO) employs high temperature (approximately 1,500°F) combustion to achieve a 90 to 95 percent oxidization rate of CO to carbon dioxide (CO₂). The TO components are subject to fouling by particulate matter (PM). Accordingly, for coal-fired boilers, the TO must be located downstream of the boiler's PM control device. There are

BIG BEND STATION UNIT 4

CARBON MONOXIDE BEST AVAILABLE CONTROL TECHNOLOGY ANALYSIS

no known installations of thermal oxidation technology to control CO emissions from coal-fired boilers.

Catalytic Oxidation

Noble metal (commonly platinum or palladium) oxidation catalysts are used to promote oxidation of CO to carbon dioxide (CO₂) at temperatures approximately 50 percent lower than would be necessary for oxidation without a catalyst. The operating temperature range for conventional oxidation catalysts is between 650 and 1,150°F.

Efficiency of CO oxidation varies with inlet temperature. Control efficiency will increase with increasing temperature up to a temperature of approximately 1,100°F; further temperature increases will have little effect on control efficiency. Significant CO oxidation will occur at any temperature above roughly 500°F. Inlet temperature must also be maintained below 1,350 to 1,400°F to prevent thermal aging of the catalyst that will reduce catalyst activity and pollutant removal efficiencies. Removal efficiency will also vary with gas residence time that is a function of catalyst bed depth. Increasing bed depth will increase removal efficiencies but will also cause an increase in pressure drop across the catalyst bed. Oxidation catalyst systems are typically designed for a CO oxidation efficiency of 80 to 90 percent.

Oxidation catalysts are susceptible to deactivation due to impurities present in the exhaust gas stream. Arsenic, iron, sodium, phosphorous, and silica will all act as catalyst poisons causing a reduction in catalyst activity and pollutant removal efficiencies.

Oxidation catalysts are nonselective and will oxidize other compounds in addition to CO. The nonselectivity of oxidation catalysts is important in assessing applicability to exhaust streams containing sulfur compounds. The catalyst will further oxidize sulfur compounds

BIG BEND STATION UNIT 4

CARBON MONOXIDE BEST AVAILABLE CONTROL TECHNOLOGY ANALYSIS

that have been oxidized to SO_2 in the combustion process to sulfur trioxide (SO_3). An oxidation catalyst system would be expected to convert from 50 to 70 percent of the exhaust stream SO_2 to SO_3 . If ammonia is also present as a result of an SCR control system, SO_3 and ammonia will react to form ammonium bisulfate or ammonium sulfate particulate matter (PM). If ammonia is not present, SO_3 will combine with moisture in the gas stream to form sulfuric acid (H_2SO_4) mist. Due to the oxidation of sulfur compounds and excessive formation of either ammonium bisulfate/ammonium sulfate PM or H_2SO_4 mist emissions, oxidation catalysts are not considered to be an appropriate control technology for combustion devices that are fired with fuels containing significant amounts of sulfur. There are no known installations of catalytic oxidation technology to control CO emissions from coal-fired boilers.

Technical Feasibility

Neither thermal nor catalytic oxidation is considered technically feasible for Big Bend Station Unit 4. To avoid fouling, a TO would need to be located downstream of the existing Unit 4 cold-side electrostatic precipitator. Thermal oxidation at this location would require a substantial combustion chamber to increase the temperature of the Unit 4 exhaust gas to the required TO combustion temperature of $1,500^\circ\text{F}$. Without subsequent cooling, this substantial increase in exhaust volume would prevent the proper operation of Unit 4 existing and planned downstream control systems (i.e., SCR and FGD) which are designed for a much lower exhaust flow rate.

Similarly, an oxidation catalyst system would also need to be located downstream of the existing Unit 4 cold-side electrostatic precipitator to avoid fly ash scouring of the catalyst bed. Although the required exhaust stream temperature is lower for catalytic oxidation (approximately 750°F) compared to thermal oxidation (approximately $1,500^\circ\text{F}$), the exhaust stream would need to be re-heated to achieve efficient CO oxidation. The substan-

BIG BEND STATION UNIT 4

CARBON MONOXIDE BEST AVAILABLE CONTROL TECHNOLOGY ANALYSIS

tial increase in SO_3 due to the oxidation of SO_2 would also lead to a significant increase in ammonium sulfates PM and/or H_2SO_4 mist emissions. Oxidation catalysts are susceptible to deactivation due to a variety of impurities. Due to the lack of operating experience and potential catalyst deactivation, the performance and reliability of oxidation catalyst controls applied to coal-fired boilers is unknown.

As noted previously, there are no known installations of either thermal or catalytic oxidation technology to control CO emissions from coal-fired boilers. Accordingly, the only technically feasible CO control technology for coal-fired boilers is good combustion practice.

PROPOSED CO BACT EMISSION LIMITATION

Recent CO BACT determinations for coal-fired boilers are all based on good combustion practice. Table A-2 provides recent CO BACT determinations for coal-fired units.

Based on these recent CO BACT determinations, a CO emission limit of 0.2 pounds per million British thermal units (lb/mmBtu) is proposed as CO BACT for Unit 4 with compliance determined by annual stack testing using EPA Reference Method 10 or 350. This proposed CO BACT emission limit reflects good combustion practice for coal-fired boilers consistent with the regulatory requirement to also reduce NO_x emissions.


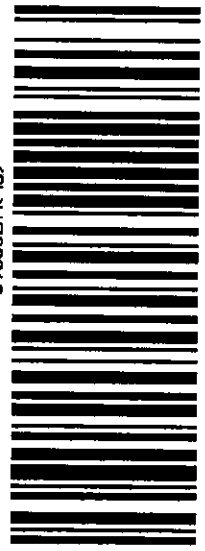
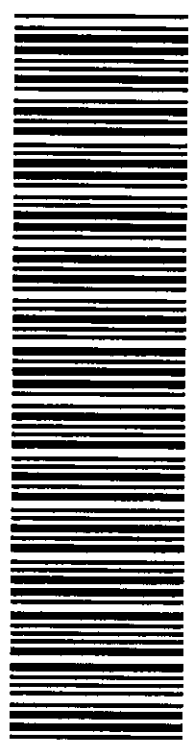
Table 1. Summary of CO BACT Emission Rates - PC Units (Page 1 of 2)

Plant	State	Permit Date	Unit No	Boiler Type	Generation Capacity (MW)	Comments	BACT Limits CO (lb/MMBtu)
Springerville Generating Station (Tucson Electric Power Co)	AZ	Apr-02	3, 4	PC	800	VOC Limit = 0.06 lb/ton Coal Combusted Combustion Controls	0.135
Plum Point Energy Station (Plum Point Energy Associates, LLC)	AR	8/20/03	1	PC	800	Combustion Controls	0.160
Comanche Plant Unit 3 (Public Service Company of CO)	CO	Jul-05	3	PC	750	Combustion Controls	0.130
Xcel Energy	CO	Jul-05		PC	750	Combustion Controls	0.150
Indiantown Cogeneration Plant (Indiantown Cogeneration, LP)	FL	1995	1	PC	330		0.110
Seminole Electric Unit 3	FL	Aug-06	3	SCPC	750	Coal Only, Combustion Controls	0.150
Stanton Energy Center (MUA/OUC/FMPA)	FL	1996	2	PC	468		0.150
Crystal River Energy Complex (Progress Energy Florida, Inc.)	FL	2007 (Draft)	4, 5	PC	760	Low-NO _x Burners, SCR	0.170 (Interim Limit)
Longleaf Energy Station (LS Power)	GA	Pending	1, 2	PC	600	CO 30-day rolling average VOC 3-hour average	0.150
Holcomb Generating Station (Sand Sage Power, LLC)	KS	4/5/04	2	PC	660	Combustion Controls	0.150
Louisville Gas & Electric	KY	Jan-06		SCPC	750	CO 30-day Average, VOC 3-hour Average	0.100
Thoroughbred Generating Station (Thoroughbred Generating Co, LLC)	KY	May-06	1,2	PC	1,500	Combustion Controls	0.100
MidAmerican Energy Center Council Bluffs (MidAmerican Energy)	IA	6/17/03	4	SCPC	750	Combustion Controls	0.154
Baldwin Expansion (Dynergy)	IL	Pending	1,2	PC	750		0.154
Dellman Unit 4 (City Water Light & Power - Springfield, IL) (Not subject to SO ₂ or NO _x BACT)	IL	Draft (2/06)	4	PC	250	CO 3-hour Average	0.120
Prairie State (Prairie State Generating Co, LLC)	IL	Apr-05	1,2	PC	1,500	Combustion Controls	0.120
Prairie Energy Power Plant (Corn Belt Energy Corporation)	IL	12/17/02	1	PC	91	CO 30-day Rolling Average	0.200
Franklin Energy Coal Project (Illinois Energy Group)	IL	Pending	1,2	PC	680		0.200
NRG Energy (Big Cajun II) (Louisiana Generating, LLC)	LA	Aug-05	2	SCPC	575	Combustion Controls	0.135
KCP&L Latan Generating	MO	Jan-06		PC	850	Combustion Controls	0.140
Weston Bend Generating Station (Great Plains Power Company)	MO	Nov-01	1	PC	820		0.160
Southwest Power Station (City Utilities of Springfield)	MO	12/15/04	2	PC	275	Combustion Controls	0.160
Roundup Power Project (Bull Mountain Development Co)	MT	7/21/03	1, 2	PC	780	Combustion Controls	0.150
Rocky Mountain Power (Rocky Mountain Power, Inc.)	MT	6/11/02	1	PC	113		0.150
Montana Dakota Utilities	ND	Jun-05		PC	220	3-hr Average	0.154
Whelan Energy Center (Hastings Utilities)	NE	Mar-04	1	PC	220	Combustion Controls	0.150
Nebraska City Unit 2 (Omaha Public Power District)	NE	Mar-05	2		660	Combustion Controls CO 3-hour Average	0.160
Newmont TS Power Plant	NV	May-05		PC	200	Combustion Controls	0.150

Table 1. Summary of CO BACT Emission Rates - PC Units (Page 2 of 2)

Plant	State	Permit Date	Unit No.	Boiler Type	Generation Capacity (MW)	Comments	BACT Limits CO (lb/MMBtu)	
(Newmont NV Energy Investment, LLC)						24-hr Rolling Average		
Desert Rock Energy Facility (Steag Power, LLC)	NM	Pending	1, 2	PC	750	24-hour Averages	0.100	
Cottonwood Energy Center (Chaco Valley Energy, LLC)	NM	Pending	1	PC	495		0.140	
Mustang Generating Station (Chaco Valley Energy, LLC)	NM	Pending	1	PC	330		0.160	
Santee Cooper Cross (Not subject to SO ₂ or NO _x BACT)	SC	2/5/04	3,4	PC	660	3-hour Averages	0.160	
Calaveras Plant Spruce Unit 2 (Not subject to SO ₂ or NO _x BACT)	TX	12/05	2	PC	750		0.150	
City Public Service	TX	Sep-05		PC	750	Combustion Controls	0.150	
Sandy Creek Energy (LS Power)	TX	Pending	1	PC	500		0.150	
Intermountain Power (Intermountain Power Service Corp)	UT	10/15/04	3	PC	950	Combustion Controls	0.150	
Weston Unit 4 (Wisconsin Public Service Company)	WI	Oct-04	1	PC	500		0.150	
Elm Road Generating Station (We Energy - formerly WEPCO)	WI	1/14/04	1,2	SCPC	1,230	Combustion Controls	0.120	
Public Service Corp Wausau	WI	Oct-04		SCPC	500	Combustion Controls	0.150	
Longview Power (Longview Power, LLC)	WV	3/2/04	1	PC	600	Combustion Controls	0.110	
WYGEN II (Black Hills Corporation)	WY	Sep-02	1	PC	500		0.150	
Black Hills (Black Hills Corporation)	WY	Jun-99	1	PC	80		0.150	
Two Elk (Two Elk Generation Partners, L.P.)	WY	May-03	1	PC	250		0.135	
							Minimum	0.100
							Maximum	0.200
							Average	0.145
							Median	0.150

Source: ECT, 2007.

		GND		Pieces: 1/1
FM: DEP AIR RESOURCE MGMT P. Adams DIRECTOR OFFICE STE 23 111 S MAGNOLIADR TALLAHASSEE, FL 32301 UNITED STATES Phone: 850-921-9505 To: ENVIRONMENTAL PROTECTION COMM. MS. DIANA LEE 3629 QUEEN PALM DRIVE AIR MANAGEMENT DIVISION TAMPA, FL 33619 UNITED STATES		ORIGIN: TLH Sender's ref: 37550201000 A7 AP255 POSTCODE: 33619 TEL: 813-627-2600		
Description: PSD-FL-390 application		Weight: 1 lbs for 1 pcs Date: 2007-05-31		01FR Day
DHL standard terms and conditions apply.		 (2L)US33619		
 WAYBILL: 21814822256 (Non-Negotiable)		ALEX OD FSC		

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 Environmental Protection Comm.
 Air Management Division
 3629 Queen Palm Drive

Tampa, FL 33619
 UNITED STATES

Attention To: Ms. Diana Lee
 Phone#: 813-627-2600

Sent By: P. Adams
 Phone#: 850-921-9505

Rate Estimate: 3.08
 Protection: Not Required
 Description: PSD-FL-390 application

Weight (lbs.): 1
 Dimensions: 0 x 0 x 0

Ship Ref: 37550201000 A7 AP255
 Service Level: Ground (Est.)
 delivery in 1 business day(s))

Special Svc:
 Date Printed: 5/31/2007
 Bill Shipment To: Sender
 Bill To Acct: 778941286

DHL Signature (optional) _____ Route _____ Date _____ Time _____

For Tracking, please go to www.dhl-usa.com or call 1-800-225-5345


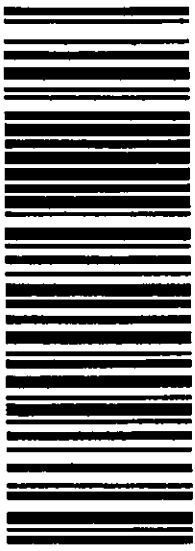

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Description: Applications PSD-FL-389 and 390		Weight: 2 lbs for 1 pcs Date: 2007-05-31		TEL: 303-966-2818
DHL standard terms and conditions apply.		04MO Day		EGEH 9E OOH
(ZL)US80228				
WAYBILL: 21815097555		(Non-Negotiable)		WAYBILL: 21815097555

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Waybill #: 21815097555

To(Company):
National Park Service
Air Division
12795 W. Alameda Parkway

Lakewood, CO 80228
UNITED STATES

Attention To: Mr. John Bunyak
Phone#: 303-966-2818

Sent By: P. Adams
Phone#: 950-921-9505

Rate Estimate: 5.59
Protection: Not Required
Description: Applications PSD-FL-389 and 390

Weight (lbs.): 2
Dimensions: 0 x 0 x 0

Ship Ref: 37550201000 A7 AP255
Service Level: 2nd Day (2nd business day by 5 PM)

Special Svc:

Date Printed: 5/31/2007
Bill Shipment To: Sender
Bill To Acct: 778941286

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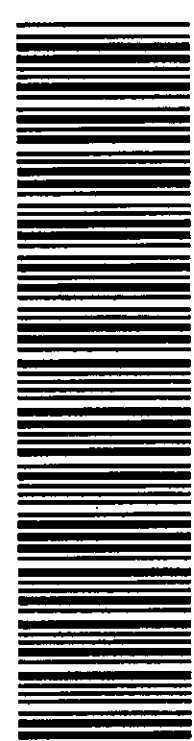
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		2ND		Pieces: 1/1
FM: DEP AIR RESOURCE MGMT P. Adams DIRECTOR OFFICE STE 23 111 S MAGNOLIADR TALLAHASSEE, FL 32301 UNITED STATES Phone: 850-921-9505		ORIGIN: TLH Sender's ref: 37550201000 AT AP255		
To: NATIONAL PARK SERVICE MR. JOHN BUNYAK 12795 W. ALAMEDA PARKWAY AIR DIVISION LAKEWOOD, CO 80228 UNITED STATES		POSTCODE: 80228		
Description: Applications PSD-FL-389 and 390		Weight: 2 lbs for 1 pcs Date: 2007-05-31		
DHL standard terms and conditions apply.		04MIO Day		
		EGEH 9E OOH		
		WAYBILL: 21815097555 (Non-Negotiable)		

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National Park Service
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12795 W. Alameda Parkway

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Rate Estimate: 5.59
Protection: Not Required
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Weight (lbs.): 2
Dimensions: 0 x 0 x 0

Ship Ref: 37550201000 A7 AP255
Service Level: 2nd Day (2nd business day by 5 PM)


Special Svc:

Date Printed: 5/31/2007
Bill Shipment To: Sender
Bill To Acct: 778941286

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Adams, Patty

From: Sharon Good [scgood@tecoenergy.com]
Sent: Wednesday, May 23, 2007 7:44 AM
To: Adams, Patty
Cc: Cascio, Tom; Byron Burrows
Subject: Re: PSD Fee for Big Bend Unit 4

Proof of receipt.

Sharon C. Good, P.E.
Senior Engineer
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601
(p) 813-228-4654
(f) 813-228-1308

>>> "Adams, Patty" <Patty.Adams@dep.state.fl.us> 05/22/07 5:15 PM >>>
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