

Department of  
Environmental Protection  
Division of Air Resource Management

**SUBMITTED APPLICATION REPORT  
APPLICATION FOR AIR PERMIT - LONG FORM**

--- Form Effective 02/02/06 ---

Application Number: 1606- 1

Application Name: FPL CUTLER TITLE V RENEWAL  
APPLICATION

Date Submitted: 02 July 2007

**I. APPLICATION INFORMATION**

**Air Construction Permit** - Use this form to apply for any air construction permit at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air permit. Also use this form to apply for an air construction permit:

- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- Where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- Where the applicant proposes to establish, revise, or renew a plantwide applicability limit (PAL).

**Air Operation Permit** - Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revise/renewal Title V air operation permit.

**Air Construction Permit & Title V Air Operation Permit (Concurrent Processing Option)** - Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

**To ensure accuracy, please see form instructions.**

**Identification of Facility**

1. Facility Owner/Company Name: FLORIDA POWER & LIGHT (PCU)	
2. Site Name: CUTLER POWER PLANT	
3. Facility Identification Number: 0250001	
4. Facility Location...	
Street Address or Other Locator:	14925 SW 67TH AVE
	14925 SW 67th Ave.
City: MIAMI	County: MIAMI-DADE      Zip Code: 33034
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Application Contact**

1.	Application Contact Name: JOHN HAMPP	Application Contact Job Title: Principal Environmental Specialist
2.	Application Contact Mailing Address... Organization/Firm: FLORIDA POWER & LIGHT COMPANY Street Address: 700 UNIVERSE BLVD JES / JB City: JUNO BEACH                      State: FL                      Zip Code: 33408	
3.	Application Contact Telephone Numbers... Telephone: (561) 691-2894      ext.                      Fax: (561) 691-7040	
4.	Application Contact Email Address: john_hampp@fpl.com	

**Purpose of Application****This application for air permit is submitted to obtain: (Check one)****Air Construction Permit**

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

**Air Operation Permit**

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit****(Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

**Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:**

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

**Application Comment**

**Scope of Application**

<b>Emissions Unit ID Number</b>	<b>Description of Emissions Unit</b>	<b>Air Permit Type</b>
3	Fossil Fuel Fired Steam Generator#5- Phase II Acid Rain Unit	AV05
4	Fossil fuel Fired Steam Generator#6- Phase II Acid Rain Unit	AV05
5	Painting and Solvent Cleaning	AV05

*Note: The fee calculation information associated with this application may be accessed from the Main Menu of ESPAP.*

**Owner/Authorized Representative Statement****Complete if applying for an air construction permit or an initial FESOP.**

1.	Owner/Authorized Representative Name: GARY ANDERSEN	Owner/Authorized Representative Job Title: Senior PGD Leader
2.	Owner/Authorized Representative Mailing Address... Organization/Firm: FLORIDA POWER AND LIGHT COMPANY Street Address: 9700 SW 344TH STREET City: HOMESTEAD                      State: FL                      Zip Code: 33035	
3.	Owner/Authorized Representative Telephone Numbers... Telephone: (305) 242-3826      ext.                      Fax: (305) 242-3813	
4.	Owner/Authorized Representative Email Address: gary_andersen@fpl.com	
5.	Owner/Authorized Representative Statement:	

**Application Responsible Official Certification**

1.	Application Responsible Official Name: HERIBERTO NUNEZ
2.	Application Responsible Official Qualification (Check one or more of the following options, as applicable): <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> 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.</li> <li><input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively.</li> <li><input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.</li> <li><input type="checkbox"/> The designated representative at an Acid Rain source.</li> </ul>
3.	Application Responsible Official Mailing Address... Organization/Firm: FLORIDA POWER AND LIGHT COMPANY Street Address: 9700 SW 344TH STREET City: HOMESTEAD                      State: FL                      Zip Code: 33035
4.	Application Responsible Official Telephone Numbers... Telephone: (305)242-3822      ext.                      Fax: (305)242-3813
5.	Application Responsible Official Email Address: ed_nunez@fpl.com
6.	Application Responsible Official Certification: By entering my PIN below, I certify that I am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.

**Professional Engineer Certification**

1. Professional Engineer Name: KENNARD KOSKY  
 Registration Number: 14996  
 Professional Engineer Job Title: Principal

2. Professional Engineer Mailing Address...  
 Organization/Firm: GOLDER ASSOCIATES  
 Street Address: 6241 NW 23RD ST.  
 SUITE 500  
 City: GAINESVILLE State: FL Zip Code: 32653

3. Professional Engineer Telephone Numbers...  
 Telephone: (352) 336-5600 ext. Fax: (352) 336-6603

4. Professional Engineer Email Address: KKOSKY@GOLDER.COM

5. Professional Engineer Statement:

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 Exception Statement:



## II. FACILITY INFORMATION

### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

1. Facility UTM Coordinates... Zone 17                      East (km) 569.74 North (km) 2834.95		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) 25° 37' 55" N Longitude (DD/MM/SS) 80° 17' 54" W	
3. Governmental Facility Code: (0) NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT	4. Facility Status Code: Active	5. Facility Major Group SIC Code: (49) ELECTRIC, GAS AND SANITARY SERVICES	6. Facility SIC(s): Primary: 4911
7. Facility Comment:			

#### Facility Contact

1. Facility Contact Name: H. O. NUNEZ	Facility Contact Job Title: GENERAL MANAGER
2. Facility Contact Mailing Address... Organization/Firm: CUTLER POWER PLANT Street Address: 9700 SW 344 ST  <div style="display: flex; justify-content: space-between;"> <span>City: HOMESTEAD</span> <span>State: FL</span> <span>Zip Code: 33035</span> </div>	
3. Facility Contact Telephone Numbers... Telephone: (305) 242-3822 ext. Fax:	
4. Facility Contact Email Address:	

#### Facility Primary Responsible Official

**Complete if an "application responsible official" is identified in Section I. that is not the facility "primary responsible official."**

1. Facility Primary Responsible Official Name: HERIBERTO NUNEZ	Facility Primary Responsible Official Job Title: Plant General Manager
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: FLORIDA POWER AND LIGHT COMPANY Street Address: 9700 SW 344TH STREET  <div style="display: flex; justify-content: space-between;"> <span>City: HOMESTEAD</span> <span>State: FL</span> <span>Zip Code: 33035</span> </div>	
3. Facility Primary Responsible Official Telephone Numbers... Telephone: (305) 242-3822 ext. Fax: (305) 242-3813	
4. Facility Primary Responsible Official Email Address: ed_nunez@fpl.com	



**Facility Regulatory Classifications** Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a "major source" and a "synthetic minor source."

1.	<input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2.	<input type="checkbox"/> Synthetic Non-Title V Source	
3.	<input checked="" type="checkbox"/> Title V Source	
4.	<input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5.	<input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6.	<input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7.	<input type="checkbox"/> Synthetic Minor Source of HAPs	
8.	<input type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9.	<input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10.	<input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11.	<input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12.	Facility Regulatory Classifications Comment:	

**List of Pollutants Emitted by Facility**

1. Pollutants Emitted	2. Pollutant Classification	Emissions Cap [Y or N]?
CO	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
NOX	(A) ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS.	N
PM10	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
PB	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
SO2	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
VOC	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
PM	(B) ACTUAL AND POTENTIAL EMISSIONS BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS	N
HAPS	(C) CLASS IS UNKNOWN	N
H095	(C) CLASS IS UNKNOWN	N

**B. Emissions Caps**

**Facility-Wide or Multi-Unit Emissions Caps**

1. Pollutant Subject to Emissions Cap	2. Facility Wide Cap [Y or N]? (all units)	3. Emissions Unit ID No.s Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap
7. Facility-Wide or Multi-Unit Emissions Cap Comment:					

**C. FACILITY ADDITIONAL INFORMATION****Additional Requirements for All Applications, Except as Otherwise Stated**

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment

**Additional Requirements for Air Construction Permit Applications**

1. Area Map Showing Facility Location: (Not applicable for existing permitted facility)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
2. Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
3. Rule Applicability Analysis:	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
4. List of Exempt Emissions Units (Rule 62-210.300(3), F.A.C.): (Not applicable if no exempt units at facility)	<input checked="" type="checkbox"/> Applicable	<input checked="" type="checkbox"/> Attachment
5. Fugitive Emissions Identification:	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
6. Air Quality Analysis (Rule 62-212.400(7), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
7. Source Impact Analysis (Rule 62-212.400(5), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
8. Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
9. Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.):	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment

**Additional Requirements for FESOP Applications**

- |   |                                     |                                     |
|---|-------------------------------------|-------------------------------------|
| 1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): (Not applicable if no exempt units at facility) | <input type="checkbox"/> Applicable | <input type="checkbox"/> Attachment |
|---|-------------------------------------|-------------------------------------|

**Additional Requirements for Title V Air Operation Permit Applications**

- |  |  |   |                                     |
|--|--|---|-------------------------------------|
| 1. List of Insignificant Activities: (Required for initial/renewal applications, but not for revision applications)  | <input checked="" type="checkbox"/> Applicable | <input checked="" type="checkbox"/> Attachment  |                                     |
| 2. Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought):   | <input checked="" type="checkbox"/> Applicable | <input checked="" type="checkbox"/> Attachment  |                                     |
| 3. Compliance Report and Plan: (Required for all initial/revision/renewal applications):<br>Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing. | <input checked="" type="checkbox"/> Applicable | <input checked="" type="checkbox"/> Attachment  |                                     |
| 4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only):  | <input type="checkbox"/> Applicable            | <input checked="" type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed | <input type="checkbox"/> Attachment |
| 5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only):   | <input type="checkbox"/> Applicable            | <input type="checkbox"/> Attachment   |                                     |
| 6. Requested Changes to Current Title V Air Operation Permit:  | <input type="checkbox"/> Applicable            | <input type="checkbox"/> Attachment   |                                     |

**Other Information Regarding this Facility:**

- |                                |  |  |
|--------------------------------|--|--|
| 4. Other Facility Information: | <input checked="" type="checkbox"/> Included | <input checked="" type="checkbox"/> Attachment |
|--------------------------------|--|--|

**Additional Requirements Comment**

Responsible Official Statement of Compliance
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**Facility Attachments**

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	Date Uploaded
List of Exempt Emissions Units	pcu_exempt_units.pdf	Cutler Exempt Emission Units	Yes	06/11/2007
Facility Plot Plan	PCU_Facility_plot.pdf	Cutler Facility Plot Plan	Yes	06/11/2007
Process Flow Diagram (s)	PCU_process_flow.pdf	Process Flow Diagram-Gas Only	Yes	06/29/2007
Other Facility Information	cutler_eastview_feb02.jpg	Cutler Aerial view	Yes	06/25/2007
	Cutler 2006 Ann Complete.pdf	Responsible Official Statement of Compliance	Yes	06/27/2007
	0000186F.pdf	The latest Final Title V Permit is attached and lists all applicable requirements and other technical information concerning the FPL Cutler Plant. The information in this permit takes precedence if there is any conflict with information contained in this application.	Yes	06/26/2007
List of Insignificant Activities	pcu_exempt_units.pdf	Cutler Insignificant Activities	Yes	06/11/2007
Identification of Applicable Requirements	PCU_requirements.pdf	Cutler Facility Requirements	Yes	06/11/2007
Compliance Report and Plan	PCU_Compliance_Plan.pdf	Cutler Compliance Plan	Yes	06/11/2007





**III. EMISSIONS UNIT INFORMATION**  
**A. GENERAL EMISSIONS UNIT INFORMATION**

**Title V Air Operation Permit Emissions Unit Classification**

1. (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

**Emissions Unit Description and Status**

1. Type of Emissions Unit Addressed in this Section: (Check one)

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

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

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

2. Description of Emissions Unit Addressed in this Section:  
 Fossil Fuel Fired Steam Generator#5- Phase II Acid Rain Unit

3. Emissions Unit Identification Number: 3

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 01-NOV-54	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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9. Package Unit Manufacturer: \_\_\_\_\_ Model Number: \_\_\_\_\_

10. Generator Nameplate Rating: 75 MW

11. Emissions Unit Comment:

**Emissions Unit Control Equipment**

Code	Equipment	Description
76	MULTIPLE CYCLONE W/O FLY ASH REINJECTION	Units were originally equipped with multicyclones which are no longer necessary for gas only firing.

**B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Process or Throughput Rate:		
2. Maximum Production Rate:		
3. Maximum Heat Input Rate:	940 million Btu/hr	
4. Maximum Incineration Rate:	pounds/hr	
	tons/day	
5. Requested Maximum Operating Schedule:	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment:	940 mmBtu/hour maximum heat input on natural gas.	

**C. EMISSION POINT (STACK/VENT) INFORMATION**  
**(Optional for unregulated emissions units.)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: Unit 5 Stack		2. Emission Point Type Code: 1 - A single emission point serving a single emissions unit	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION	6. Stack Height: 150 feet	7. Exit Diameter: 14 feet	
8. Exit Temperature: 285° F	9. Actual Volumetric Flow Rate: 467837 acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17            East (km): 570 North (km): 2835		14. Emission Point Latitude/Longitude... Latitude: 25° 37' 54" N Longitude: 80° 17' 55" W	
15. Emission Point Comment:			

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 1 of 3

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC): 10100404	3. SCC Units: 1000 Gallons Residual Oil (No. 6) Burned	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		
Is this a valid segment? No		

**Segment Description and Rate:** Segment 2 of 3

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC): 10100501	3. SCC Units: 1000 Gallons Distillate Oil (No. 1 & 2) Burned	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		
Is this a valid segment? No		

**Segment Description and Rate:** Segment 3 of 3

1. Segment Description (Process/Fuel Type): Natural gas		
2. Source Classification Code (SCC): 10100604	3. SCC Units: Million Cubic Feet Natural Gas Burned	
4. Maximum Hourly Rate: .94	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1000
10. Segment Comment: Natural Gas for steady-state (8360 Hr/Yr), 940 mmBtu/hr.		
Is this a valid segment? Yes		

**E. EMISSIONS UNIT POLLUTANTS****List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
CO			NS	Yes
H095				Yes
HAPS				Yes
NOX			EL	Yes
PB			NS	Yes
PM			EL	Yes
PM10			NS	Yes
SO2			NS	Yes
VOC			NS	Yes



**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: CO - Carbon Monoxide		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 37.6 lb/hour                      164.688 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 40 LB/MMCF BURNED Reference: AP-42		7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emissions based firing natural gas (8760 HR/YR).			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: H095 - Formaldehyde		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor:  Reference:		7. Emissions Method Code:	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: HAPS - Total Hazardous Air Pollutants		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor:  Reference:		7. Emissions Method Code:	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
 POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**  
 (Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: NOX - Nitrogen Oxides		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 188 lb/hour    823.44 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: .2 LB/MMBTU Reference: PERMIT LIMIT		7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:    To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .2 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 188 lb/hour      823.44 tons/year
5. Method of Compliance: Testing not required unless they operate for > 400 hr/yr	
6. Allowable Emissions Comment (Description of Operating Method):	



**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

**(Optional for unregulated emissions units.)**

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PB - Lead - Total (elemental lead and lead compounds)		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor:  Reference:		7. Emissions Method Code:	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PM - Particulate Matter - Total		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 282 lb/hour 120.9 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: .125 LB/MMBTU Reference: PERMIT LIMIT		7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: lb/hr = 0.1 lb/mmbtu x 940mmBtu/hr = 94.0 lb/hr; TPY = {[ (0.1 lb/MMBtu x 21 hrs/day) + (0.3 lb/MMBtu x 3 hrs/day) ] x 940 MMBtu/hr x 8760 hrs/yr} / 2000 lbs/ton = 515 TPY.			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emission (TPY) is reflective of 21 hrs/day of normal operation and 3hrs /day of soot blowing while firing NG. Therefore PM emission factor is equivalent to an average of 0.125 lb/mmBtu.			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

**Allowable Emissions** Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 94 lb/hour                      515 tons/year
5. Method of Compliance: Testing not required in years if fuel oil is fired <400hrs.	
6. Allowable Emissions Comment (Description of Operating Method): During normal operations while firing natural gas.	

**Allowable Emissions** Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .3 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 282 lb/hour                      515 tons/year
5. Method of Compliance: Testing not required in years fuel oil is fired <400hrs.	
6. Allowable Emissions Comment (Description of Operating Method): During the 3 hrs in any 24 hrs period allowed for boiler cleaning (soot blowing) and load changing.	

### F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PM10 - Particulate Matter - PM10	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour <span style="float: right;">tons/year</span>	4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor:  Reference:	7. Emissions Method Code:
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: <span style="float: right;">To:</span>
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years
10. Calculation of Emissions:	
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*



## F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

### **Allowable Emissions** Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

### **Allowable Emissions** Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour                      tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	



**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**  
(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: VOC - Volatile Organic Compounds		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 1.32 lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 1.4 LB/MMCF BURNED Reference: AP-42		7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emissions based on firing natural gas (8760 HR/YR).			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**G. VISIBLE EMISSIONS INFORMATION**

**Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.**

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20%                      Exceptional Conditions: 40% Maximum Period of Excess Opacity Allowed: 2 min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment: During normal operations. Test not required if fuel oil is fired <400 hrs/yr.	

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

1. Visible Emissions Subtype: VE60 - VISIBLE EMISSIONS - 60% NORMAL OPACITY	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 60%                      Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment: During the 3 hrs in any 24 hrs period allowed for boiler cleaning (soot blowing) and load changing. Test not required if fuel oil is fired <400 hrs/yr.	

**H. CONTINUOUS MONITOR INFORMATION**

**Complete if this emissions unit is or would be subject to continuous monitoring.**

**Continuous Monitoring System:** Continuous Monitor 1 of 1

1. Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information... Manufacturer: THERMO FISHER SCIENT Model Number: TECO 42C Serial Number: 77225-385	
5. Installation Date: 20-MAY-03	6. Performance Specification Test Date: 26-JUN-06
7. Continuous Monitor Comment:	
Status: Active	

**I. EMISSIONS UNIT ADDITIONAL INFORMATION**

**Additional Requirements for All Applications, Except as Otherwise Stated**

1.	Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
2.	Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
3.	Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
4.	Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
5.	Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
6.	Compliance Demonstration Reports/Records	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
	<input type="checkbox"/> To Be Submitted, Date (if known):			
	Previously Submitted Test Date(s)/Pollutants Tested:			
	To be Submitted Test Date(s)/Pollutants Tested:			
	Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.			
7.	Other Information Required by Rule or Statute	<input type="checkbox"/> Applicable		<input type="checkbox"/> Attachment

**Additional Requirements for Title V Air Operation Permit Applications**

1. Identification of Applicable Requirements	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
2. Compliance Assurance Monitoring Plan	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
3. Alternative Methods of Operation	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
4. Alternative Modes of Operation (Emissions Trading)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
5. Acid Rain Part Application		
Certificate of Representation (EPA Form No. 7610-1)	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
Acid Rain Part (Form No. 62-210.900(1)(a))	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
New Unit Exemption (Form No. 62-210.900(1)(a)2.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment

**Additional Requirements for Air Construction Permit Applications**

<p>1. 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))</p> <p><input type="checkbox"/> Applicable <span style="float: right;"><input type="checkbox"/> Attachment</span></p>
<p>2. 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.)</p> <p><input type="checkbox"/> Applicable <span style="float: right;"><input type="checkbox"/> Attachment</span></p>
<p>3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)</p> <p><input checked="" type="checkbox"/> Applicable <span style="float: right;"><input checked="" type="checkbox"/> Attachment</span></p>

**Other Information Regarding this Emissions Unit**

<p>1. Other Emissions Unit Information</p> <p><input checked="" type="checkbox"/> Applicable <span style="float: right;"><input checked="" type="checkbox"/> Attachment</span></p> <p>Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.</p>
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**Additional Requirements Comment**

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**Emission Unit Attachments**

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	Date Uploaded
Description of Stack Sampling Facilities	PCUUU1_1.jpg	Cutler Unit 5 Stack	Yes	06/27/2007
Process Flow Diagram	PCU_process_flow.pdf	Cutler Process Flow	Yes	06/25/2007
Compliance Demonstration Reports/Records	CEMS RATA_PCU_5_2Q06.pdf	06/26/2006 NOx	Yes	06/27/2007
Other Emissions Unit Information	Cutler CEMS Monitoring Plan.pdf	Monitoring Plan Unit 5	Yes	06/27/2007
Certificate of Representation	Cert. of Representation - Cutler.pdf	Unit 5 Certificate of Reperesentation	Yes	06/27/2007
Acid Rain Part	pcu_titleIV.pdf	Acid Rain Permit Application	Yes	06/27/2007



**III. EMISSIONS UNIT INFORMATION**  
**A. GENERAL EMISSIONS UNIT INFORMATION**

**Title V Air Operation Permit Emissions Unit Classification**

1. (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)
- The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
  - The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

**Emissions Unit Description and Status**

1. Type of Emissions Unit Addressed in this Section: (Check one)
- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
  - This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
  - This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:  
Fossil fuel Fired Steam Generator#6- Phase II Acid Rain Unit

3. Emissions Unit Identification Number: 4

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date: 01-JUL-55	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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9. Package Unit COMBUSTION ENGINEERING Model Number:  
Manufacturer:

10. Generator Nameplate Rating: 160 MW

11. Emissions Unit Comment:

**Emissions Unit Control Equipment**

Code	Equipment	Description
76	MULTIPLE CYCLONE W/O FLY ASH REINJECTION	Multiple cyclone were originally installed but not required for gas only firing.

**B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Process or Throughput Rate:		
2. Maximum Production Rate:		
3. Maximum Heat Input Rate:	1620 million Btu/hr	
4. Maximum Incineration Rate:	pounds/hr	
	tons/day	
5. Requested Maximum Operating Schedule:	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment:	1620 mmBtu/hour maximum heat input on natural gas.	

**C. EMISSION POINT (STACK/VENT) INFORMATION**  
 (Optional for unregulated emissions units.)

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram: Unit 6 Stack		2. Emission Point Type Code: 1 - A single emission point serving a single emissions unit	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: (V) A STACK WITH AN UNOBSTRUCTED OPENING DISCHARGING IN A VERTICAL/NEARLY VERTICAL DIRECTION		6. Stack Height: 150 feet	7. Exit Diameter: 14 feet
8. Exit Temperature: 285° F	9. Actual Volumetric Flow Rate: 560464 acfm		10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17            East (km): 570 North (km): 2835		14. Emission Point Latitude/Longitude... Latitude: 25° 37' 54" N Longitude: 80° 17' 52" W	
15. Emission Point Comment:			

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 1 of 3

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC): 10100404	3. SCC Units: 1000 Gallons Residual Oil (No. 6) Burned	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		
Is this a valid segment? No		

**Segment Description and Rate:** Segment 2 of 3

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC): 10100501	3. SCC Units: 1000 Gallons Distillate Oil (No. 1 & 2) Burned	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		
Is this a valid segment? No		

**Segment Description and Rate:** Segment 3 of 3

1. Segment Description (Process/Fuel Type): Natural gas		
2. Source Classification Code (SCC): 10100604	3. SCC Units: Million Cubic Feet Natural Gas Burned	
4. Maximum Hourly Rate: 1.6	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1000
10. Segment Comment: Natural Gas for steady-state (8360 Hr/Yr), 1620 mmBtu/hr.		
Is this a valid segment? Yes		

**E. EMISSIONS UNIT POLLUTANTS****List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
CO			NS	Yes
H095				Yes
HAPS				Yes
NOX			EL	Yes
PB			NS	Yes
PM			EL	Yes
PM10			NS	Yes
SO2			NS	Yes
VOC			NS	Yes

### **F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

<p>1. Pollutant Emitted: CO - Carbon Monoxide</p>	<p>2. Total Percent Efficiency of Control:</p>
<p>3. Potential Emissions: 64 lb/hour 280.32 tons/year</p>	<p>4. Synthetically Limited? <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>
<p>5. Range of Estimated Fugitive Emissions (as applicable): to tons/year</p>	
<p>6. Emission Factor: 24 LB/MMCF BURNED Reference: AP-42 CALC</p>	<p>7. Emissions Method Code: (5) CALCULATED USING EMISSION FACTOR OTHER THAN AP-42/FIRE SYSTEM.</p>
<p>8.a. Baseline Actual Emissions (if required): tons/year</p>	<p>8.b. Baseline 24-month Period: From:                      To:</p>
<p>9.a. Projected Actual Emissions (if required): tons/year</p>	<p>9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years      <input type="checkbox"/> 10 years</p>
<p>10. Calculation of Emissions:</p>	
<p>11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emissions based on natural gas (8760 HR/YR)=40 X 1.6X 8760/2000=280.32</p>	



**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: H095 - Formaldehyde		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: .075 LB/MMCF BURNED Reference: AOR		7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*



**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: NOX - Nitrogen Oxides		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 324 lb/hour                                      1419.12 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: .2 LB/MMBTU Reference: PERMIT LIMIT		7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .2 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 324 lb/hour      1419.12 tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

### F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PB - Lead - Total (elemental lead and lead compounds)	2. Total Percent Efficiency of Control:
3. Potential Emissions: lb/hour <span style="float: right;">tons/year</span>	4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .0005 LB/MMCF BURNED Reference: AOR	7. Emissions Method Code: (3) CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: <span style="float: right;">To:</span>
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years
10. Calculation of Emissions:	
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:	



**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: PM - Particulate Matter - Total	2. Total Percent Efficiency of Control:
3. Potential Emissions: 486 lb/hour <span style="float:right">208.3 tons/year</span>	4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: .125 LB/MMBTU Reference: PERMIT LIMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST-CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years
10. Calculation of Emissions: lb/hr = 0.1 lb/mmbtu x 1620 mmBtu/hr = 162.0 lb/hr; TPY = {(0.1 lb/MMBtu x 21 hrs/day) + (0.3 lb/MMBtu x 3 hrs/day)} x 1620 MMBtu/hr x 8760 hrs/yr}/2000 lbs/ton = 887 TPY	
11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emission (TPY) is reflective of 21 hrs/day of normal operation and 3 hrs/day of soot blowing while firing NG. Therefore PM emission factor is equivalent to an average of 0.125 lb/mmBtu.	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

**Allowable Emissions** Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .1 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 162 lb/hour                      887 tons/year
5. Method of Compliance: Testing not required in years if fuel oil is fired <400hrs.	
6. Allowable Emissions Comment (Description of Operating Method): During normal operations while firing NG.	

**Allowable Emissions** Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: (RULE) required by rule specified in regulation	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: .3 POUNDS PER MILLION BTU HEAT INPUT	4. Equivalent Allowable Emissions: 486 lb/hour                      887 tons/year
5. Method of Compliance: Testing not required in years if fuel oil is fired <400hrs.	
6. Allowable Emissions Comment (Description of Operating Method): During the 3 hrs in any 24 hrs period allowed for boiler cleaning (soot blowing) and load changing.	



**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

## F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

### Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: SO2 - Sulfur Dioxide	2. Total Percent Efficiency of Control:
3. Potential Emissions: 9.25 lb/hour                      40.5 tons/year	4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: 2 GRAINS SULFUR PER 100 STANDARD CUBIC FEET OF GAS Reference: PERMIT LIMIT	7. Emissions Method Code: (0) EQUAL TO EQUIVALENT ALLOWABLE EMISSION/WORST- CASE ALLOWABLE EMISSION.
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From:                      To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years
10. Calculation of Emissions:	
11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Based on gas firing.	

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

**Allowable Emissions** Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour    tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**Allowable Emissions** Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour    tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

(Optional for unregulated emissions units.)

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: VOC - Volatile Organic Compounds		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 5.5 LB/MMCF BURNED Reference: AP-42		7. Emissions Method Code: (5) CALCULATED USING EMISSION FACTOR OTHER THAN AP-42/FIRE SYSTEM.	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment: Potential emissions based on natural gas firing (8760 HR/YR). 1.4 lb/MMCF is 83% of TOC.			



**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**G. VISIBLE EMISSIONS INFORMATION**

**Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.**

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE20 - VISIBLE EMISSIONS - 20% NORMAL OPACITY	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 20%                      Exceptional Conditions: 40% Maximum Period of Excess Opacity Allowed: 2 min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment: During normal operations. Test not required if fuel oil is fired <400 hrs/yr.	

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

1. Visible Emissions Subtype: VE60 - VISIBLE EMISSIONS - 60% NORMAL OPACITY	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 60%                      Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment: During the 3 hrs in any 24 hrs period allowed for boiler cleaning (soot blowing) and load changing. Test not required if fuel oil is fired <400 hrs/yr.	

**H. CONTINUOUS MONITOR INFORMATION**

**Complete if this emissions unit is or would be subject to continuous monitoring.**

**Continuous Monitoring System:** Continuous Monitor 1 of 1

1. Parameter Code: EM - EMISSION	2. Pollutant(s): NOX
3. CMS Requirement: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other	
4. Monitor Information... Manufacturer: THERMO FISHER SCIENT Model Number: MODEL 42C Serial Number: 77224-385	
5. Installation Date: 20-MAY-03	6. Performance Specification Test Date: 24-JUL-06
7. Continuous Monitor Comment:	
Status: Active	

**I. EMISSIONS UNIT ADDITIONAL INFORMATION**

**Additional Requirements for All Applications, Except as Otherwise Stated**

<p>1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input checked="" type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input checked="" type="checkbox"/> Attachment</p>
<p>2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>6. Compliance Demonstration Reports/Records</p> <p><input checked="" type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input checked="" type="checkbox"/> Attachment</p> <p><input type="checkbox"/> To Be Submitted, Date (if known):</p> <p>Previously Submitted Test Date(s)/Pollutants Tested:</p> <p>To be Submitted Test Date(s)/Pollutants Tested:</p> <p>Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.</p>
<p>7. Other Information Required by Rule or Statute</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Attachment</p>

**Additional Requirements for Title V Air Operation Permit Applications**

1. Identification of Applicable Requirements	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
2. Compliance Assurance Monitoring Plan	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
3. Alternative Methods of Operation	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
4. Alternative Modes of Operation (Emissions Trading)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
5. Acid Rain Part Application		
Certificate of Representation (EPA Form No. 7610-1)	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
Acid Rain Part (Form No. 62-210.900(1)(a))	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input checked="" type="checkbox"/> Attachment
New Unit Exemption (Form No. 62-210.900(1)(a)2.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment

**Additional Requirements for Air Construction Permit Applications**

<p>1. 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))</p> <p><input type="checkbox"/> Applicable <span style="float: right;"><input type="checkbox"/> Attachment</span></p>
<p>2. 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.)</p> <p><input type="checkbox"/> Applicable <span style="float: right;"><input type="checkbox"/> Attachment</span></p>
<p>3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only)</p> <p><input checked="" type="checkbox"/> Applicable <span style="float: right;"><input checked="" type="checkbox"/> Attachment</span></p>

**Other Information Regarding this Emissions Unit**

<p>1. Other Emissions Unit Information</p> <p><input checked="" type="checkbox"/> Applicable <span style="float: right;"><input checked="" type="checkbox"/> Attachment</span></p> <p>Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.</p>
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**Additional Requirements Comment**

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**Emission Unit Attachments**

Supplemental Item	Electronic File Name	Attachment Description	Electronic Document	Date Uploaded
Description of Stack Sampling Facilities	PCUU2_4.PCX	Cutler Unit 6 Stack	Yes	06/27/2007
Process Flow Diagram	PCU_process_flow.pdf	Cutler Flow Diagram	Yes	06/25/2007
Compliance Demonstration Reports/Records	CEMS RATA_PCU_6_2Q06.pdf	Cutler Unit 6 RATA	Yes	06/27/2007
	CEMS RATA_PCU_6_2Q06.pdf	Cutler Unit 6 RATA	Yes	06/27/2007
Other Emissions Unit Information	Cutler CEMS Monitoring Plan.pdf	Cutler Unit 6 Monitoring Plan	Yes	06/27/2007
Certificate of Representation	Cert. of Representation - Cutler.pdf	Certificate of Representation	Yes	06/27/2007
Acid Rain Part	pcu_titleIV.pdf	Cutler Unit 6 Acid Rain Title IV Application	Yes	06/27/2007

**III. EMISSIONS UNIT INFORMATION**  
**A. GENERAL EMISSIONS UNIT INFORMATION**

**Title V Air Operation Permit Emissions Unit Classification**

1. (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)
- The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
  - The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

**Emissions Unit Description and Status**

1. Type of Emissions Unit Addressed in this Section: (Check one)
- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
  - This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
  - This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:  
 Painting and Solvent Cleaning

3. Emissions Unit Identification Number: 5

4. Emissions Unit Status Code: A	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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9. Package Unit Manufacturer: \_\_\_\_\_ Model Number: \_\_\_\_\_

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:  
 Painting & Solvent Cleaning fugative Emissions



**Emissions Unit Control Equipment**

*No Control Equipment information submitted.*

**B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

**Emissions Unit Operating Capacity and Schedule**

*No Capacity information submitted.*

**C. EMISSION POINT (STACK/VENT) INFORMATION**  
**(Optional for unregulated emissions units.)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:		2. Emission Point Type Code: 4 - No true emission point	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: (F) FUGITIVE EMISSIONS, NO STACK EXISTS	6. Stack Height: feet	7. Exit Diameter: feet	
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: 5 feet	
13. Emission Point UTM Coordinates... Zone:                      East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude: Longitude:	
15. Emission Point Comment:			

**D. SEGMENT (PROCESS/FUEL) INFORMATION****Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC): 49099998		3. SCC Units: Gallons Solvent Consumed
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Painting and solvent cleaning.		
Is this a valid segment? Yes		

**E. EMISSIONS UNIT POLLUTANTS****List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code	Valid?
VOC				Yes

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**

**(Optional for unregulated emissions units.)**

**Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions**

**Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.**

1. Pollutant Emitted: VOC - Volatile Organic Compounds		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor:  Reference:		7. Emissions Method Code:	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From:                      To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions:			
11. Pollutant Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -  
ALLOWABLE EMISSIONS**

**Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.**

*No Pollutant Allowable Emissions information submitted.*

**G. VISIBLE EMISSIONS INFORMATION**

**Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.**

*No Visible Emissions information submitted.*



**H. CONTINUOUS MONITOR INFORMATION**

**Complete if this emissions unit is or would be subject to continuous monitoring.**

*No Continuous Monitoring information submitted.*

**I. EMISSIONS UNIT ADDITIONAL INFORMATION**

**Additional Requirements for All Applications, Except as Otherwise Stated**

<p>1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p>
<p>6. Compliance Demonstration Reports/Records</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Previously Submitted, Date:      <input type="checkbox"/> Attachment</p> <p style="padding-left: 40px;"><input type="checkbox"/> To Be Submitted, Date (if known):</p> <p>Previously Submitted Test Date(s)/Pollutants Tested:</p> <p>To be Submitted Test Date(s)/Pollutants Tested:</p> <p>Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.</p>
<p>7. Other Information Required by Rule or Statute</p> <p><input type="checkbox"/> Applicable      <input type="checkbox"/> Attachment</p>

**Additional Requirements for Title V Air Operation Permit Applications**

1. Identification of Applicable Requirements	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
2. Compliance Assurance Monitoring Plan	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
3. Alternative Methods of Operation	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
4. Alternative Modes of Operation (Emissions Trading)	<input type="checkbox"/> Applicable	<input type="checkbox"/> Attachment
5. Acid Rain Part Application		
Certificate of Representation (EPA Form No. 7610-1)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Acid Rain Part (Form No. 62-210.900(1)(a))	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
New Unit Exemption (Form No. 62-210.900(1)(a)2.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment
Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.)	<input type="checkbox"/> Applicable <input type="checkbox"/> Previously Submitted, Date:	<input type="checkbox"/> Attachment

**Additional Requirements for Air Construction Permit Applications**

1. 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)) <input type="checkbox"/> Applicable <input type="checkbox"/> Attachment
2. 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.) <input type="checkbox"/> Applicable <input type="checkbox"/> Attachment
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Applicable <input type="checkbox"/> Attachment

**Other Information Regarding this Emissions Unit**

1. Other Emissions Unit Information <input type="checkbox"/> Applicable <input type="checkbox"/> Attachment Note: Provide any other information related to the emissions unit addressed in this Emissions Unit Information Section that is not elsewhere provided in the application, not otherwise required and that you, the applicant, believe may be helpful.
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**Additional Requirements Comment**

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