



Progress Energy

August 31, 2006

RECEIVED

SEP 06 2006

BUREAU OF AIR POLLUTION

Mr. Jeff Koerner, PE
 Professional Engineer Administrator
 Division of Air Resource Management
 Florida Department of Environmental Protection
 2600 Blair Stone Road, M.S. 5500
 Tallahassee, Florida 32399-2400

RE: Response to Request for Additional Information
 Application for Title V Permit Renewal and Title V Permit Revision
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Title V Permit No. 1050234-008-AV/-012-AV
 Facility ID 1050234

Dear Mr. Koerner:

On June 12, 2006 Florida Power Corporation d/b/a Progress Energy Florida, Inc. ("PEF") received your June 8 letter to Martin J. Drango requesting additional information regarding the recently submitted Title V Permit Renewal/Revision for the Hines Energy Complex. Below addresses each item individually and notes enclosures as necessary.

1. For all of the responses, please identify the affected Power Block(s) (1, 2, and/or 3) and the proposed changes. Since it appears that previously issued air construction permits will be affected by the proposed changes, please request (check the box in the application) under the "Purpose of Application" that the permitting action will include the issuance of an air construction permit and possibly "concurrent processing".

The appropriate pages of the permit application are enclosed. PEF is requesting changes made to permit language that requires changes to the corresponding air construction permits. Therefore, an updated application purpose form is enclosed.

2. For Power Blocks 1, 2 and 3, please list and describe/define the various "methods of operation" that affect each CT and their operation, i.e., startup (cold, warm and hot), shutdown and fuel switch (gas to oil and oil to gas). For the previous two years, submit actual operational CEMS data (Excel worksheet) and a summary of emissions test data in ppm, lbs/hr, lbs/yr and lbs/episode, for each affected pollutant from these various methods of operation. Please provide the actual frequency for each method of operation that has occurred and been experienced at the plant for each emissions unit for the last five years of operation or for which data is available. For each method of operation, please describe the various stages/steps within each method of operation and appropriate duration. Discuss the potential for actual emissions increases as a result of the proposed changes.

Since PEF is requesting changes to Power Block 2, CT2A and CT2B (Emission Unit Nos. -014 and -015) as well as Power Block 3, CT3A and CT3B (Emission Unit Nos. -016, and -017) with regard to CEMS data exclusion, enclosed is the requested information for the different methods of operation for these combustion turbines.

3. From our meeting on June 6th, you plan to revise your original request regarding excess emissions for these various operating methods. Please consider proposing an alternate emissions standard for these periods.

The information in this written response replaces the original request in Attachment PEF-FI-CV6 of the April 2006 Title V Permit Renewal/Revision submittal.

4. For all of the proposed "Excess Emissions" changes, please justify each method of operation and the proposed timeframe associated with each method of operation.

As summarized in the CEMs Data Exclusion Proposed Changes Section of the enclosed, PEF is proposing changes to just two methods of operation, Cold Start – Both Emission Units in Power Block and Fuel Switch.

PEF is also requesting clarification of the language for all Power Blocks (Emission Unit Nos. -001, -002, -014, -015, -016, -017) with regard to the ASTM methods for fuel sulfur content determination (see pages ASTM-1 through ASTM-3 in the enclosed).

5. For any changes/edits made to the initial submittal, please make appropriate changes/edits and resubmit, i.e., ATTACHMENT PEF-FI-CV6.

The information in this response to the Department's request for additional information replaces the previous Attachment PEF-FI-CV6.

6. Under Specific Condition E.9., please define and describe what "process control adjustments" are (including examples), their frequency of occurrence, and any effect on emissions. Please include a response on the process that is involved with handling these types of episodes. Also, provide the same emissions related data as requested in Item #2, above.

As discussed at the June 6, 2006 meeting, PEF is requesting clarification regarding the definition of the major tuning session in CEMS Data Exclusion – DLN tuning in Specific Condition E.9 of the current Title V Permit and Condition 14 of the PSD-FL-330 (PB3) by the addition of "process control adjustments" to the language. Current language states, "A 'major tuning session' would occur after completion of initial construction, a combustor change-out, a major repair or maintenance to a combustor, or other similar circumstances."

Hines Energy Complex has not yet experienced this type of adjustment and has no emissions data available. However a good example of such a process control adjustment has occurred at another PEF facility, which is described below:

Due to original design issues, the superheater section had over-performance issues which resulted in the need for excess desuperheater spray water to cool the steam to acceptable steam piping and steam turbine temperature and saturation limitations.

Several heat recovery steam generator (HRSG) mechanical modifications had been performed over the years without complete success. During some loads the steam temperature could not be adequately controlled resulting in steam temperatures

below saturation. Operating at below saturation presents dangerous and detrimental conditions for the steam piping, superheater and potentially the steam turbine. In an attempt to minimize these potentially adverse impacts the HP desuperheater was operated under manual control during periods of Plant startup, minimum load, transient and shut down operations.

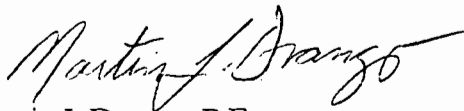
The basis for the process control logic modification and tuning project was to address the HP superheater performance issues and enable the Plant to operate within the equipment limits while maintaining established performance limits. Control logic that had been used on other Progress Energy GE 7F gas turbines with similar HRSG and superheater designs was applied. Therefore, it resulted in minimal on line testing and tuning.

The installation, commissioning and tuning of the new desuperheating control logic resulted in the HRSG HP superheater operation within established limits while in automatic control, utilizing a series of rules and limits based on manufacturer's instructions and industry best practices. The risk to the equipment has essentially been eliminated and the Plant is now able to operate in a safe, controlled mode during Plant startup, minimum load, transient and shut down operations.

Though the Hines Energy Complex is mostly Siemens equipment, PEF is making this request for possible future projects where tuning is required with adjustments related to other pieces of equipment associated with the system. This will minimize the higher emission rates typically seen during multiple start ups of the emission unit for a process control adjustment.

Thank you for your assistance. Please let Ann Quillian know at (727) 820-5962, if you have any questions.

Sincerely,



Martin J. Drango, P.E.
Plant Manager

Enclosures

cc: Ms. Cindy Zhang-Torres, FDEP Southwest District

APPLICATION INFORMATION

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

Air construction permit.

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

The application represents renewal of Title V Permit No. 1050234-012-AV and revision to include Construction Permit No. 1050234-013-AC / PSD-FL-330. Emission Unit No. 004, Emergency Diesel Generator was never installed, therefore request that it be removed from the Title V permit.

APPLICATION INFORMATION

Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: Martin J. Drango, Plant Manager
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <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. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Florida Power Corporation dba Progress Energy Florida, Inc. Street Address: 100 Central Avenue - HE44 City: St. Petersburg State: FL Zip Code: 33701
4. Application Responsible Official Telephone Numbers... Telephone: (863) 519-6103 ext. Fax: (863) 519-6110
5. Application Responsible Official Email Address:
6. Application Responsible Official Certification: <i>I, the undersigned, 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.</i> Signature <u>Martin J. Drango</u> Date <u>8/31/06</u>

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Scott Osbourn Registration Number: 57557
2. Professional Engineer Mailing Address... Organization/Firm: Golder Associates Inc.** Street Address: 5100 West Lemon Street City: Tampa State: FL Zip Code: 33609
3. Professional Engineer Telephone Numbers... Telephone: (813) 287-1717 ext. Fax: (813) 287-1716
4. Professional Engineer Email Address: sosbourn@golder.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(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</i> <i>(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.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, 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.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/>, 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 <input checked="" type="checkbox"/>, 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.</i> <i>(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 <input type="checkbox"/>, 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.</i> _____ Signature (seal) Date 8/31/06

* Attach any exception to certification statement.

** Board of Professional Engineers Certificate of Authorization #00001670



CEMs Data Exclusion Proposed Changes
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

CEMs Data Exclusion Proposed Changes
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

TABLE DE-1
 Summary of CEMs Data Exclusion Proposed Changes

Method of Operation	Current Permit Limitation	Specific Condition No.	Proposed Change	Change in Emissions?
Cold Start – Both Emission Units on One Power Block	4 hours per 24 hour block with total of 6 hours CEM excluded	E.8.a. (PB2) 13.a. (PB3)	Definition of Cold Start; 7 hours Cold Start – Both Emission Units	No Change (possibly a reduction)
Cold Start – One Emission Unit on One Power Block	4 hours per 24 hour block with total of 6 hours excluded	E.8.a. (PB2) 13.a. (PB3)	No Change	No Change
Warm/Hot Start – Both Emission Units on One Power Block	2 hours per 24 hour block	E.8.e. (PB2) 13.e. (PB3)	No Change	No Change
Warm/Hot Start – One Emission Unit on One Power	2 hours per 24 hour block	E.8.e. (PB2) 13.e. (PB3)	No Change	No Change
Shutdown	2 hours per 24 hour block	E.8.e. (PB2) 13.e. (PB3)	No Change	No Change
Fuel Switch	Oil –to- Gas 2 hours per 24 hour period	E.8.e. (PB2) 13.e. (PB3)	Fuel Switch (both directions); 2 hours per switch not to exceed 4 hours per 24 hour block period.	Maintain current site limitation for fuel oil consumption.
Malfunction	Documented with FDEP; 2 hours per 24 hour block	E.8.d. (PB2) 13.d. (PB3)	No Change	No Change
Tuning Session	FDEP Notification	E.9. (PB2) 14. (PB3)	No Change	No Change

Cold Start – Both Emission Units on One Power Block

Current Title V and air construction permit language allows for data exclusions of 4 hours per 24-hour block for cold start with total excluded hours of 6 hours per 24-hour block. Since these permits were written, more operating knowledge with the Siemens F-Class combustion turbines is available. These combustion turbines (CTs) operate differently than the GE counterparts, which the original permit language was based.

CEMs Data Exclusion Proposed Changes
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex
Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

It has been observed that (see the enclosed operational CEMs data and methods of operation) for a cold start of both emission units on one power block, the total hours to reach operating level is 6 hours rather than 4 hours.

Operating in compliance with the current permits, the cold start-both emission units occurs during the night shift and in two 24-hour blocks (i.e. 8 pm – 3 am). This limits the system to cold start – both emission units only during the night and usually before the unit is needed.

PEF is requesting a permit language update to address the time involved in a cold start-both emission units as well as the definition of cold start. This permit language clarification request does not meet the major modification definition in Rule 62-210.200(161), F.A.C., because no change in method of operation or increase in total time for data exclusion would occur. That is for cold startup – both emissions units per power block the maximum period of data excluded would not exceed 7 hours in any 24-hour block and if the cold startup period runs over to the next 24-hour block, the total period for the cold startup-both emission units per power block event will not exceed 7 hours.

This is not an increase in emissions, but rather a decrease. As with the current permit language, the total allowed time for cold start is 8 hours over the midnight time frame and PEF is requesting 7 hours.

PEF is also requesting the FDEP clarify the definition of cold startup to align with the definition in the Power Block 1: CT1A (EU No. -001) and CT1B (EU No. -002) of the Title V Permit.

Fuel Switch

The current permit allows CEMs data exclusion of 2 hours per 24-hour block for oil-to-gas fuel switch and was an artifact copy of similar language for a GE CT for a different utility. It has been observed that the Siemens F-Class CTs' fuel switch operation occurs at low loads in either fuel direction, which is different from the GE equivalent CTs. As from the enclosed Methods of Operation, a fuel switch can last 1.5 to 2.5 hours. PEF is requesting that the CEMs data exclusion for fuel switch also apply to gas-to-oil or 2 hours per fuel switch, not to exceed 4 hours total per 24 hour block.

With the increase in hurricane activity, PEF has observed the need to be prepared to burn fuel oil in case of natural gas curtailment. The original equipment manufacturer (OEM), Siemens Power Generation (SPG) has recommended that a fuel switch be performed twice per month per CT. This enables the equipment associated with the fuel oil system to remain in working order and be ready for use during curtailment.

The Title V Permit and air construction permits limit the amount of annual fuel oil consumption. The site is also limited in the amount of fuel oil stored onsite. PEF is not asking for a change to the current limitation to fuel oil burned and is not changing an existing method of operation. PEF is just requesting a change in the language for fuel switch CEMs data exclusion.

Frequency of Methods of Operation
Years 2003 - 2006

Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Frequency of Methods of Operation
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Power Block 2
 Emission Unit No. -014 (CT2A)

Method of Operation	2003	2004	2005	YTD 6/2006
Cold Start – Both Units	0	6	4	2
Cold Start – One Unit	0	1	3	1
Warm Start – Both Units	0	5	1	0
Warm Start – One Unit	0	6	15	6
Shutdown	1	15	25	11
Fuel Switch	0	2	3	² 2
Malfunction	2	6	2	2
Tuning Session	0	4	1	2

¹PB2 began commercial operation 12/2003.

²Fuel switch occurred during tuning session.

Emission Unit No. -015 (CT2B)

Method of Operation	2003	2004	2005	YTD 6/2006
Cold Start – Both Units	1	6	3	2
Cold Start – One Unit	0	2	3	5
Warm Start – Both Units	0	4	0	0
Warm Start – One Unit	1	4	19	4
Shutdown	3	12	26	11
Fuel Switch	0	2	2	² 2
Malfunction	2	4	4	0
Tuning Session	0	4	1	2

¹PB2 began commercial operation 12/2003.

²Fuel switch occurred during tuning session.

Current Title V Permit Language defines cold start-up in Specific Condition E.8.a. which reads as follows:

- a. Periods of data excluded for startup shall not exceed two hours in any 24-hour block except for cold startups. A “cold startup” is defined as a startup following a complete shutdown lasting a minimum of 48 hours. Periods of data excluded for cold startup shall not exceed four hours in any 24-hour block period.

Frequency of Methods of Operation
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Power Block 3
 Emission Unit No. -016 (CT3A)

Method of Operation	2005	YTD 6/2006
Cold Start – Both Units	1	3
Cold Start – One Unit	1	4
Warm Start – Both Units	1	0
Warm Start – One Unit	4	28
Shutdown	5	32
Fuel Switch	0	² 1
Malfunction	0	2
Tuning Session	0	1

¹PB3 began commercial operation 11/2005.

² Fuel switch occurred during tuning session.

Emission Unit No. -017 (CT3B)

Method of Operation	2005	YTD 6/2006
Cold Start – Both Units	1	2
Cold Start – One Unit	0	4
Warm Start – Both Units	0	1
Warm Start – One Unit	3	6
Shutdown	4	12
Fuel Switch	0	² 2
Malfunction	1	2
Tuning Session	0	2

¹PB3 began commercial operation 11/2005.

²Fuel switch occurred during tuning session.

Current PSD air construction permit defines cold start-up in Specific Condition 13.a. which reads as follows:

- a. Periods of data excluded for startup shall not exceed two hours in any 24-hour block except for cold startups. A “cold startup” is defined as a startup following a complete shutdown lasting a minimum of 48 hours. Periods of data excluded for cold startup shall not exceed four hours in any 24-hour block period.

Operational CEMs Data

June 2004 – June 2006

Florida Power Corporation d/b/a Progress Energy Florida, Inc.

Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)

Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2A Emission Unit -014 - Cold Start (Both Emission Units on One Power Block) - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values							Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
7/6/2004	20	0.088	558.1	23.8	2571.5	49		1061	5.8	3230		64967	
7/6/2004	21	0.107	770.4	28.9	4301.5	82			9.7	7468			
7/6/2004	22	0.107	789.9	28.9	4200.1	85			9.5	7477			
7/6/2004	23	0.102	803.1	27.8	4124.1	82			9.2	7397			
7/7/2004	0	0.043	978.5	11.8	1068.5	42			2.4	2319			
7/7/2004	1	0.057	1013.5	15.5	967.9	58	398		2.2	2196	30088		
8/16/2004	12	0.070	461.2	18.9	1878.7	32			4.2	1953			
8/16/2004	13	0.112	700.8	30.3	4262.6	78			9.6	6721			
8/16/2004	14	0.101	785.4	27.5	4107.0	79			9.2	7211			
8/16/2004	15	0.093	923.6	25.3	1772.8	86			4.0	3664			
8/16/2004	16	0.047	1135.1	12.7	179.4	53	329		0.4	459	20008		
12/9/2004	11	0.111	628.1	30.0	3302.0	70			7.4	4671			
12/9/2004	12	0.125	759.1	33.9	4025.8	95			9.0	6859			
12/9/2004	13	0.131	727.7	33.6	1932.1	95			4.6	3337			
12/9/2004	14	0.056	1313.2	14.4	1.1	74	333		0.0	3	14870		
1/16/2005	20	0.163	585.0	41.9	2981.7	95		2073	7.1	4131		110038	
1/16/2005	21	0.151	705.7	39.0	3609.7	107			8.5	6004			
1/16/2005	22	0.154	705.1	39.6	3731.6	109			8.8	6228			
1/16/2005	23	0.151	738.8	38.9	3813.0	112			9.0	6656			
1/17/2005	0	0.126	898.4	32.3	2880.9	113			6.8	6146			
1/17/2005	1	0.011	1217.4	3.0	255.5	13	549		0.6	694	29859		
1/31/2005	20	0.129	597.5	35.0	2852.7	77			6.4	3824			
1/31/2005	21	0.136	709.4	37.0	3571.4	96			8.0	5669			
1/31/2005	22	0.141	708.8	38.3	3655.7	100			8.2	5807			
1/31/2005	23	0.135	789.6	36.6	3784.9	107			8.5	6710			
2/1/2005	0	0.125	895.0	33.9	2989.7	112			6.7	6006			
2/1/2005	1	0.076	1115.6	20.6	804.4	85	577		1.8	2015	30030		
3/1/2005	20	0.141	620.8	38.2	2806.4	88			6.3	3914			
3/1/2005	21	0.142	697.5	38.4	3439.5	99			7.7	5400			
3/1/2005	22	0.133	799.7	36.0	3885.6	106			8.7	6988			
3/1/2005	23	0.141	764.8	38.3	3970.9	108			8.9	6806			
3/2/2005	0	0.142	776.6	38.6	3902.8	110			8.7	6787			
3/2/2005	1	0.120	943.1	32.7	2188.0	113			4.9	4609			
3/2/2005	2	0.081	997.9	21.9	1252.3	81			2.8	2813			
3/2/2005	3	0.025	1298.4	6.8	138.7	32	738		0.3	403	37721		
7/13/2005	20	0.103	611.7	27.8	3054.2	63			6.9	4213			
7/13/2005	21	0.107	799.7	28.9	3491.4	86			7.9	6293			
7/13/2005	22	0.052	1179.4	14.2	731.0	61	210		1.6	1922	12428		
2/8/2006	20	0.144	508.7	39.2	2491.4	73		1138	5.6	2834		55908	
2/8/2006	21	0.162	728.1	43.9	3733.8	118			8.4	6107			
2/8/2006	22	0.158	743.4	42.9	3952.5	117			8.9	6587			
2/8/2006	23	0.153	764.7	41.6	4007.8	117			9.0	6861			
2/9/2006	0	0.117	884.2	31.8	2803.9	103			6.3	5552			
2/9/2006	1	0.011	1145.0	3.0	285.7	13	542		0.6	730	28672		
3/7/2006	20	0.156	553.0	42.2	2607.1	86			5.9	3244			
3/7/2006	21	0.172	735.4	46.7	3710.2	126			8.3	6117			
3/7/2006	22	0.169	762.1	45.8	4016.3	129			9.0	6875			
3/7/2006	23	0.161	783.4	43.8	3887.1	126			8.7	6814			
3/8/2006	0	0.132	973.4	35.9	1921.5	128	596		4.3	4186	27236		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate				Average							
5	5	0.114		30.6	2773.6	87	475	2136	6.3	4713	25657	115456	
							TPY	1.1			TPY	57.7	

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2A Emission Unit -014 - Cold Start (One Emission Unit on One Power Block) - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values							Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
11/30/2004	8	0.124	676.4	33.6	3073.0	84		120	6.9	4669		4678	
11/30/2004	9	0.029	1236.7	7.8	3.0	36	120		0.0	8	4678		
11/14/2005	6	0.118	675.6	32.0	3233.0	80		333	7.3	4903		16381	
11/14/2005	7	0.018	1389.1	5.0	176.8	25	105		0.4	538	5441		
11/27/2005	6	0.128	654.6	34.7	3222.4	84			7.2	4736			
11/27/2005	7	0.020	1285.7	5.4	199.7	26	110		0.5	579	5315		
12/12/2005	5	0.122	704.8	33.2	3152.5	86			7.1	4970			
12/12/2005	6	0.025	1321.3	6.8	221.5	33	119		0.5	655	5625		
4/19/2006	10	0.123	676.1	33.4	2791.4	83		132	6.3	4231		6677	
4/19/2006	11	0.066	746.1	17.8	1452.7	49	132		3.3	2446	6677		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate			Average								
3	2	0.077			21.0	1753	59	117	293	3.9	2774	5547	13868
								TPY	0.1			TPY	7

Hines CT2A Emission Unit -014 - Warm/Hot Start (Both Emission Units on One Power Block) - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values							Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
6/18/2004	15	0.102	612.4	27.7	3313.0	62		1410	7.4	4548		82625	
6/18/2004	16	0.077	927.0	20.9	2130.9	71	134		4.8	4430	8978		
7/11/2004	21	0.054	374.0	14.6	2220.2	20			5.0	1869			
7/11/2004	22	0.099	820.0	26.9	2885.9	81			6.5	5301			
7/11/2004	23	0.010	1041.1	2.6	216.1	10	112		0.5	527	7698		
9/6/2004	14	0.096	678.4	26.0	3531.1	65			7.9	5384			
9/6/2004	15	0.094	841.4	25.5	3606.9	79			8.1	6810			
9/6/2004	16	0.095	842.6	25.8	3604.1	80			8.1	6807			
9/6/2004	17	0.089	885.2	24.3	2769.3	79			6.2	5465			
9/6/2004	18	0.071	1111.6	19.2	75.4	79			0.2	189			
9/6/2004	19	0.021	1693.4	5.7	2.9	36	418		0.0	11	24665		
12/14/2004	20	0.145	598.0	39.3	3030.2	87			6.8	4070			
12/14/2004	21	0.157	754.1	42.7	4120.1	118			9.2	6954			
12/14/2004	22	0.155	752.8	42.0	4071.3	117			9.1	6885			
12/14/2004	23	0.139	856.9	37.6	3584.8	119			8.1	6912			
12/15/2004	0	0.081	997.9	22.1	2247.1	81			5.0	5003			
12/15/2004	1	0.013	1170.3	3.6	655.4	15	537		1.4	1686	31510		
12/15/2004	9	0.119	531.0	32.2	2688.9	63			6.0	3212			
12/15/2004	10	0.129	921.4	35.1	2874.5	119			6.4	5925			
12/15/2004	11	0.023	1189.7	6.3	241.2	27	209		0.5	638	9775		
9/2/2005	10	0.099	671.3	27.0	2682.7	66		80	6.0	4019		4349	
9/2/2005	11	0.011	1242.5	3.1	122.6	14	80		0.3	329	4349		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate			Average								
3	4	0.085			23.2	2303	68	248	745	5	3953	14496	43487
								TPY	0.4			TPY	22

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2A Emission Unit -014 - Warm/Hot Start (One Emission Unit on One Power Block) - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
9/16/2004	9	0.083	470.3	22.5	2462.0	39		505	5.5	2600		21881	
9/16/2004	10	0.083	976.8	22.6	1743.8	81	120		3.9	3808	6408		
11/3/2004	2	0.103	792.3	27.9	2165.9	82			4.9	3856			
11/3/2004	3	0.015	1303.1	4.2	7.3	20	101		0.02	21	3877		
11/12/2004	6	0.092	841.8	24.9	1312.4	77			3.0	2485			
11/12/2004	7	0.014	1244.9	3.8	221.5	17	95		0.5	618	3103		
11/13/2004	7	0.067	841.8	18.2	1277.2	56	56		2.9	2409	2409		
12/19/2004	23	0.076	537.2	20.7	2409.7	41			5.4	2893			
12/20/2004	0	0.090	1023.0	24.4	1389.2	92	133		3.1	3191	6084		
3/14/2005	9	0.123	571.6	33.5	2864.5	70		1088	6.4	3659		45368	
3/14/2005	10	0.017	1208.6	4.7	44.9	21	91		0.1	119	3779		
7/10/2005	13	0.095	749.8	25.7	2166.0	71			4.9	3654			
7/10/2005	14	0.015	1360.9	4.0	0.0	20	92		0.0	0	3654		
9/22/2005	11	0.109	758.9	29.5	2541.1	83			5.7	4337			
9/22/2005	12	0.007	1241.5	2.0	48.8	9	91		0.1	129	4466		
9/29/2005	6	0.084	819.1	22.9	1507.2	69	69		3.4	2757	2757		
9/30/2005	6	0.085	791.5	23.2	1433.7	67	67		3.2	2531	2531		
10/2/2005	8	0.075	816.1	20.3	1368.4	61			3.1				
10/2/2005	9	0.009	1339.8	2.4	38.1	12	73		0.1	117	117		
10/4/2005	6	0.073	851.0	19.9	1139.6	62	62		2.5	2166	2166		
10/5/2005	6	0.073	792.4	19.9	1214.7	58	58		2.7	2149	2149		
10/6/2005	10	0.075	822.2	20.5	1174.8	62	62		2.6	2151	2151		
10/7/2005	7	0.088	531.7	24.0	2505.4	47			5.6	2973			
10/7/2005	8	0.019	1244.7	5.2	121.4	24	70		0.3	336	3309		
10/9/2005	8	0.097	773.9	26.4	1741.4	75	75		3.9	3014	3014		
10/10/2005	5	0.087	807.0	23.6	1696.1	70	70		3.8	3071	3071		
11/6/2005	11	0.110	675.1	29.9	3159.7	74	74		7.1	4777	4777		
11/8/2005	6	0.081	800.8	22.1	2013.4	65	65		4.5	3597	3597		
11/15/2005	5	0.081	841.3	21.9	2021.7	68	68		4.6	3829	3829		
2/15/2006	4	0.129	585.7	34.9	3215.0	76		620	7.2	4237		28000	
2/15/2006	5	0.048	1220.4	13.1	987.2	59	134		2.2	2687	6924		
3/12/2006	10	0.125	800.2	33.8	2336.9	100	100		5.3	4210	4210		
3/13/2006	10	0.112	788.3	30.4	2122.0	88	88		4.8	3751	3751		
3/14/2006	10	0.101	779.0	27.5	2117.8	79	79		4.7	3688	3688		
5/12/2006	8	0.142	538.3	38.4	3352.3	76			7.5	4062			
5/12/2006	9	0.038	1171.8	10.2	487.9	45	121		1.1	1297	5358		
5/17/2006	12	0.143	681.8	38.9	2667.0	97	97		6.0	4069	4069		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate				Average							
13	1	0.077		21.0	1597	60	85	1106	4	2646	3663	47625	
							TPY	0.6			TPY	24	

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2A Emission Unit -014 - Shutdown (Includes Blend Out) - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values								Calculated Values					
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
7/2/2004	19	0.041	954.7	11.1	1799.2	39	39	901	4.05	3862	3862	60724	
8/13/2004	16	0.017	1250.2	4.7	412.7	21			0.9	1136			
8/13/2004	17	0.092	641.6	24.9	3375.0	59	80		7.6	4870	6006		
9/5/2004	6	0.024	1084.0	6.5	593.9	26	26		1.3	1447	1447		
9/15/2004	12	0.023	1233.9	6.2	701.6	28			1.6	1955			
9/15/2004	13	0.105	638.8	28.4	4037.6	67	95		9.1	5805	7759		
9/24/2004	22	0.040	1035.7	10.8	1219.4	41			2.7	2847			
9/24/2004	23	0.114	650.7	30.9	3111.7	74	116		7.0	4547	7394		
11/11/2004	22	0.024	1141.5	6.5	708.6	27			1.6	1818			
11/11/2004	23	0.120	643.7	32.5	3371.5	77	105		7.6	4878	6696		
11/12/2004	23	0.042	984.2	11.4	1404.4	41	41		3.1	3100	3100		
11/24/2004	23	0.056	836.8	15.3	1990.6	47	47		4.4	3711	3711		
12/1/2004	23	0.030	1041.8	8.2	1159.8	31			2.6	2691			
12/2/2004	0	0.115	688.9	31.2	3550.2	79	110		8.0	5487	8178		
12/9/2004	15	0.025	1131.1	6.5	22.2	28			0.1	59			
12/9/2004	16	0.153	631.5	40.3	3785.5	97	125		8.7	5525	5583		
12/16/2004	22	0.026	1145.2	7.1	841.4	30			1.9	2148			
12/16/2004	23	0.131	660.7	35.6	3269.8	87	116		7.3	4839	6987		
1/7/2005	20	0.013	1355.1	3.5	23.0	18		1854	0.1	70		118995	
1/7/2005	21	0.045	975.3	12.2	1785.6	44			4.0				
1/7/2005	22	0.128	672.5	34.8	3450.0	86	148		7.7	5195	5265		
1/27/2005	20	0.029	1112.9	7.8	927.7	32			2.1	2337			
1/27/2005	21	0.123	624.3	33.4	3075.3	77	109		6.9	4304	6640		
2/14/2005	21	0.018	1230.0	4.8	441.3	22			1.0	1239			
2/14/2005	22	0.128	685.7	34.7	3540.4	88	110		7.9	5451	6690		
3/12/2005	12	0.084	805.3	22.8	2363.0	68	68		5.3	4268	4268		
4/8/2005	22	0.050	910.0	13.5	1649.3	46	46		3.7	3384	3384		
7/9/2005	22	0.061	810.0	16.5	2192.7	49	49		4.9	3997	3997		
7/11/2005	13	0.014	1220.0	3.8	270.6	17			0.6	740			
7/11/2005	14	0.108	685.1	29.3	3487.9	74	91		7.8	5361	6102		
8/29/2005	21	0.012	1256.8	3.2	124.9	15			0.3	358			
8/29/2005	22	0.091	726.2	24.7	3145.0	66	81		7.1	5122	5480		
9/21/2005	23	0.020	1162.8	5.5	539.0	23			1.2	1387			
9/22/2005	0	0.111	668.0	30.0	3398.0	74	97		7.7	5112	6500		
9/28/2005	22	0.066	861.7	17.8	1990.0	57	57		4.5	3870	3870		
9/29/2005	21	0.051	989.8	13.9	1627.2	50			3.6	3597			
9/29/2005	22	0.128	656.2	34.8	3517.4	84	134		7.9	5168	8765		
10/1/2005	21	0.019	1233.4	5.1	452.4	23			1.0	1265			
10/1/2005	22	0.124	693.8	33.6	3627.2	86	109		8.1	5653	6919		
10/3/2005	22	0.042	951.8	11.5	1297.8	40	40		2.9	2746	2746		
10/4/2005	21	0.012	1318.4	3.3	92.9	16			0.2	271			
10/4/2005	22	0.088	759.2	23.9	2882.6	67	83		6.5	4905	5176		
10/5/2005	21	0.013	1333.6	3.5	58.7	17			0.1	177			
10/5/2005	22	0.082	770.5	22.2	2803.5	63	81		6.3	4857	5034		
10/6/2005	22	0.050	869.6	13.6	1545.6	43	43		3.5	3008	3008		
10/8/2005	22	0.065	818.3	17.6	2149.7	53	53		4.8	3955	3955		
10/9/2005	22	0.068	817.1	18.4	2160.6	56	56		4.9	3971	3971		
10/14/2005	20	0.047	960.3	12.7	1365.7	45			3.1	2954			
10/14/2005	21	0.125	569.4	33.8	2614.8	71	116		5.9	3352	6306		
11/5/2005	23	0.041	1010.9	11.0	1339.9	41	41		3.0	3073	3073		
11/7/2005	23	0.046	909.7	12.4	1668.3	42	42		3.8	3427	3427		
11/10/2005	23	0.038	967.0	10.3	1222.9	37	37		2.7	2656	2656		
11/14/2005	23	0.036	961.5	9.8	1196.1	35	35		2.7	2572	2572		
11/24/2005	23	0.037	948.7	10.1	1275.2	35	35		2.8	2698	2698		
11/29/2005	22	0.014	1236.7	3.8	371.2	17			0.8	1030			
11/29/2005	23	0.107	709.6	29.2	3452.8	76	93		7.7	5465	6495		
1/19/2006	10	0.011	1383.5	3.0	36.5	15		686	0.1	113		39598	
1/19/2006	11	0.096	806.4	25.9	2808.9	77	93		6.3	5111	5223		
2/15/2006	2	0.024	1362.8	6.6	527.4	33	33		1.2	1591	1591		
2/15/2006	23	0.036	1087.8	9.9	1221.7	39	39		2.7	2942	2942		
3/11/2006	12	0.030	1687.4	8.3	1.4	51			0.00	5			
3/11/2006	13	0.037	1131.1	10.2	505.4	42	92		1.1	1262	1267		
3/12/2006	21	0.011	1471.2	2.9	31.8	16			0.1	108			
3/12/2006	22	0.090	789.4	24.3	2699.0	71	87		6.1	4803	4911		
3/13/2006	22	0.011	1309.1	2.9	73.1	14			0.2	221			
3/13/2006	23	0.094	774.7	25.4	2914.1	73	87		6.6	5086	5307		
4/2/2006	0	0.069	754.7	18.7	2277.7	52	52		5.1	3861	3861		
4/8/2006	22	0.068	792.8	18.4	2301.3	54	54		5.2	4104	4104		
5/5/2006	21	0.012	1294.2	3.3	51.9	16			0.1	149			
5/5/2006	22	0.046	865.9	12.4	1631.9	40	55		3.7	3191	3340		
5/11/2006	23	0.066	771.1	18.0	2361.6	51	51		5.3	4064	4064		
5/15/2006	22	0.045	936.8	12.1	1408.6	42	42		3.2	2987	2987		
6/2004 Through 6/2006													
No. per yr.		Hr/Ep		Avg NOX Rate				Average					
24		2		0.059		16.0		1741		48		73	
								TPY		1721		0.9	
										4		3089	
										4666		109658	
										TPY		55	

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2A Emission Unit -014 - Fuel Switch - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
12/8/2004	8	0.109	538.5	29.5	2531.8	59		741	5.7	3066		34637	
12/8/2004	9	0.123	736.6	33.3	3826.9	91			8.6	6338			
12/8/2004	10	0.105	537.2	28.4	3009.4	56			6.8	3638			
12/8/2004	11	0.162	706.9	41.7	2579.8	115			6.1	4313			
12/8/2004	12	0.042	1225.3	10.9	3.3	51			0.0	9			
12/8/2004	14	0.080	449.4	21.6	2370.8	36	408		5.3	2402	19767		
12/9/2004	11	0.111	628.1	30.0	3302.0	70			7.4	4671			
12/9/2004	12	0.125	759.1	33.9	4025.8	95			9.0	6859			
12/9/2004	13	0.131	727.7	33.6	1932.1	95			4.6	3337			
12/9/2004	14	0.056	1313.2	14.4	1.1	74	333		0.003	3	14870		
8/30/2005	9	0.099	576.0	26.9	3344.6	57	57	446	7.5	4316	4316	23757	
11/5/2005	7	0.107	600.6	28.9	3410.6	64			7.7	4616			
11/5/2005	10	0.111	650.1	30.2	2795.7	72			6.3	4066			
11/5/2005	11	0.022	1168.9	5.9	63.2	26	162		0.1	168	8850		
12/1/2005	11	0.033	145.4	10.6	2160.6	5			4.1	595			
12/1/2005	13	0.196	538.6	50.3	4301.3	106			10.2	5495			
12/1/2005	14	0.151	771.8	39.0	2473.9	117	227		5.8	4500	10590		
4/7/2006	6	0.128	609.4	34.6	2860.0	78		971	6.4	3925		48501	
4/7/2006	7	0.137	712.4	37.3	3648.4	98			8.2	5811			
4/7/2006	8	0.142	731.9	38.4	3817.1	104			8.6	6289			
4/7/2006	9	0.157	641.9	41.9	4491.9	101			10.2	6576			
4/7/2006	11	0.209	592.5	53.8	3410.8	124			8.1	4779			
4/7/2006	12	0.123	862.4	33.2	1921.5	106	610		4.3	3737	31117		
5/9/2006	7	0.059	352.5	15.9	2110.7	21			4.8	1681			
5/9/2006	8	0.132	642.8	35.7	3171.1	85			7.1	4588			
5/9/2006	10	0.151	613.0	40.3	3413.0	93			7.8	4772			
5/9/2006	11	0.132	728.9	34.4	2784.3	96			6.5	4740			
5/9/2006	12	0.059	1132.3	15.9	627.3	67	361		1.4	1604	17385		
6/2004 Through 6/2006													
No. per yr. Hr/Ep Avg NOX Rate						Average							
4 4 0.114						30.4 2656.8 77 308 1079 6.0 3818 15271 53448							
						TPY 0.5 TPY 26.7							
2006 Fuel Switch occurred during tuning session.													

Hines CT2A Emission Unit -014 - Malfunction - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
7/11/2004	16	0.020	1240.9	5.3	582.1	25	25	215	1.3	1659	1659	9124	
8/12/2004	13	0.044	1127.7	11.9	958.4	50			2.2	2433			
8/12/2004	14	0.030	1644.1	8.1	2.2	49	99		0.005	8	2441		
10/23/2004	4	0.097	606.4	26.5	2880.9	59			6.4	3892			
10/23/2004	5	0.027	1197.4	7.4	425.4	32	91		0.9	1131	5024		
9/2/2005	8	0.013	1158.9	3.6	147.5	15	15	103	0.3	376	376	4655	
12/31/2005	21	0.105	650.9	28.4	2694.1	68			6.1	3946			
12/31/2005	22	0.015	1323.0	4.1	112.9	20	88		0.3	333	4279		
3/11/2006	10	0.127	636.0	34.5	2939.3	81	81	270	6.6	4189	4189	14416	
4/12/2006	11	0.132	679.4	35.9	2822.0	90			6.3	4291			
4/12/2006	12	0.121	826.4	32.9	3208.5	100	190		7.2	5936	10227		
6/2004 Through 6/2006													
No. per yr. Hr/Ep Avg NOX Rate						Average							
4 2 0.066						18.1 1524.8 53.5 84.1 294 3.4 2563.1 4027.8 14097							
						TPY 0.1 TPY 7.0							

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2A Emission Unit -014 - Tuning Session - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected) ppmvd	DRY CO (corrected) ppmvd	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
10/16/2004	16	0.082	437.5	22.2	1973.4	36		1430	4.4	1941		73294	
10/16/2004	17	0.146	584.7	39.6	2314.9	85			5.2	3038			
10/16/2004	18	0.143	715.8	38.8	3715.0	102			8.3	5966			
10/16/2004	19	0.141	711.5	38.3	3566.1	100			8.0	5686			
10/16/2004	20	0.145	743.9	39.3	3883.2	108			8.7	6488			
10/16/2004	21	0.140	685.3	37.9	3326.2	96			7.5	5125			
10/16/2004	22	0.140	771.9	37.9	3900.5	108			8.8	6770			
10/16/2004	23	0.140	780.9	38.0	4014.2	109			9.0	7030			
10/17/2004	0	0.126	848.4	34.2	3620.7	107			8.1	6889			
10/17/2004	1	0.139	643.9	37.8	3084.9	90			6.9	4446			
10/17/2004	14	0.120	626.1	32.5	2736.9	75			6.2	3651			
10/17/2004	15	0.080	1184.7	21.7	0.0	95			0.0	0			
10/17/2004	16	0.019	1262.3	5.3	35.0	24			0.1	96			
10/17/2004	20	0.012	1242.6	3.2	95.6	15			0.2	271			
10/17/2004	21	0.009	1405.0	2.4	18.5	13			0.0	59			
10/18/2004	0	0.010	1259.8	2.8	126.8	13			0.3	347			
10/18/2004	21	0.013	1323.5	3.6	253.7	17			0.6	738			
10/18/2004	22	0.097	528.6	26.4	2755.5	51			6.2	3258			
10/18/2004	23	0.048	1089.1	13.0	1229.5	52			2.8	3010			
10/19/2004	22	0.051	868.7	13.9	1618.9	44			3.6	3141			
10/20/2004	2	0.100	586.6	27.2	2962.2	59			6.6	3889			
10/20/2004	3	0.026	1192.9	7.0	465.4	31	1430		1.1	1255	73294		
4/25/2005	6	0.128	580.6	34.6	3140.2	74		661	7.1	4106		36659	
4/25/2005	7	0.133	766.1	36.2	3826.4	102			8.6	6556			
4/25/2005	8	0.141	694.8	38.4	3770.6	98			8.4	5856			
4/25/2005	9	0.141	712.2	38.2	3857.1	100			8.7	6172			
4/25/2005	10	0.142	733.4	38.4	3797.7	104			8.5	6269			
4/25/2005	11	0.137	819.9	37.1	2986.4	112			6.7	5504			
4/25/2005	12	0.072	974.4	19.6	1008.3	70	661		2.3	2197	36659		
4/7/2006	6	0.128	609.4	34.6	2860.0	78		971	6.4	3925		48501	
4/7/2006	7	0.137	712.4	37.3	3648.4	98			8.2	5811			
4/7/2006	8	0.142	731.9	38.4	3817.1	104			8.6	6289			
4/7/2006	9	0.157	641.9	41.9	4491.9	101			10.2	6576			
4/7/2006	11	0.209	592.5	53.8	3410.8	124			8.1	4779			
4/7/2006	12	0.123	862.4	33.2	1921.5	106	610		4.3	3737	31117		
5/9/2006	7	0.059	352.5	15.9	2110.7	21			4.8	1681			
5/9/2006	8	0.132	642.8	35.7	3171.1	85			7.1	4588			
5/9/2006	10	0.151	613.0	40.3	3413.0	93			7.8	4772			
5/9/2006	11	0.132	728.9	34.4	2784.3	96			6.5	4740			
5/9/2006	12	0.059	1132.3	15.9	627.3	67	361		1.4	1604	17385		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate			Average								
2	10	0.106			28.7 2508.5			77	766	1531	6	3961	39614 79227
								TPY	0.8	TPY 40			

**10/16 - 10/20/2004 assumed the same tuning session.

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2B Emission Unit -015 - Cold Start (Both Emission Units on One Power Block) - 6/2004 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
7/6/2004	20	0.087	586.600	23.600	2538.200	51.034		1418	5.7	3341		82110
7/6/2004	21	0.115	819.000	31.300	3709.100	94.185			8.3	6794		
7/6/2004	22	0.117	819.700	31.700	3724.600	95.905			8.4	6859		
7/6/2004	23	0.113	832.400	30.600	3602.700	94.061			8.1	6741		
7/7/2004	0	0.046	1003.100	12.500	1217.900	46.143			2.7	2737		
7/7/2004	1	0.057	1061.000	15.500	919.200	60.477	442		2.1	2183	28655	
8/16/2004	12	0.070	489.800	19.100	2227.000	34.286			5.0	2433		
8/16/2004	13	0.119	736.900	32.300	3494.900	87.691			7.8	5776		
8/16/2004	14	0.111	819.700	30.000	3565.900	90.987			8.0	6583		
8/16/2004	15	0.101	955.300	27.400	1806.000	96.485			4.1	3871		
8/16/2004	16	0.049	1167.500	13.400	472.800	57.208	367		1.1	1229	19892	
12/14/2004	20	0.166	617.800	45.000	3409.000	102.555			7.7	4729		
12/14/2004	21	0.177	775.100	48.000	4563.000	137.193			10.2	7939		
12/14/2004	22	0.178	773.900	48.200	4463.000	137.754			10.0	7764		
12/14/2004	23	0.149	874.500	40.400	3694.000	130.301			8.3	7252		
12/15/2004	0	0.086	1020.300	23.200	2280.200	87.746			5.1	5250		
12/15/2004	1	0.011	1248.300	3.000	225.700	13.731	609		0.5	629	33563	
1/16/2005	20	0.157	614.000	42.700	3313.000	96.398		1408	7.4	4553		81144
1/16/2005	21	0.165	731.800	44.800	4287.700	120.747			9.6	7035		
1/16/2005	22	0.163	732.400	44.300	4297.400	119.381			9.6	7049		
1/16/2005	23	0.157	766.900	42.600	4305.500	120.403			9.7	7407		
1/17/2005	0	0.131	927.400	35.700	3173.900	121.489			7.1	6575		
1/17/2005	1	0.007	1247.700	2.000	283.500	8.734	587		0.6	754	33372	
1/31/2005	20	0.148	633.700	40.200	3254.400	93.788			7.3	4622		
1/31/2005	21	0.163	733.100	44.300	4193.600	119.495			9.4	6886		
1/31/2005	22	0.164	733.100	44.500	4167.900	120.228			9.4	6854		
1/31/2005	23	0.153	815.200	41.500	4131.300	124.726			9.3	7558		
2/1/2005	0	0.142	922.200	38.500	3267.100	130.952			7.3	6764		
2/1/2005	1	0.032	1142.600	8.600	884.500	36.563	626		2.0	2289	34973	
7/13/2005	20	0.108	596.300	29.300	3361.000	64.400			7.5	4497		
7/13/2005	21	0.107	782.700	28.900	3623.900	83.749			8.2	6392		
7/13/2005	22	0.041	1149.100	11.000	732.200	47.113	195		1.7	1909	12798	
2/8/2006	20	0.155	475.700	42.200	3373.900	73.734		1011	7.5	3588		56437
2/8/2006	21	0.167	681.700	45.400	4391.100	113.844			9.8	6703		
2/8/2006	22	0.164	681.700	44.600	4361.800	111.799			9.8	6655		
2/8/2006	23	0.159	681.700	43.300	4336.500	108.390			9.7	6608		
2/9/2006	0	0.138	797.900	37.600	3046.000	110.110			6.8	5430		
2/9/2006	1	0.013	1217.200	3.600	362.500	15.824	534		0.8	970	29954	
3/7/2006	20	0.155	436.700	42.000	3097.000	67.689			7.0	3038		
3/7/2006	21	0.158	660.000	43.000	4319.000	104.280			9.7	6376		
3/7/2006	22	0.158	660.000	42.800	4379.800	104.280			9.8	6496		
3/7/2006	23	0.150	660.000	40.600	4183.600	99.000			9.4	6210		
3/8/2006	0	0.100	920.100	27.200	2038.600	92.010			4.6	4198		
3/8/2006	1	0.008	1207.000	2.200	62.100	9.656	477		0.1	166	26483	
6/2004 Through 6/2006						Average						
No. per yr.	Hr/Ep	Avg NOX Rate										
4	6	0.116		31.6	2981	87	480	1918	7	4993	27461	109845
							TPY	1.0			TPY	55

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2B Emission Unit -015 - Cold Start (One Emission Unit on One Power Block) - 6/2004 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
11/16/2004	9	0.141	656.7	38.4	3188.3	93		294	7.1	4680		10851
11/16/2004	10	0.039	1266.8	10.6	18.6	49	142		0.0	53	4733	
12/26/2004	8	0.126	647.7	34.1	3062.3	82			6.9	4461		
12/26/2004	9	0.058	1220.3	15.9	611.6	71	152		1.4	1657	6118	
10/31/2005	7	0.017	142.0	4.7	1743.6	2		783	3.8	545		35874
10/31/2005	8	0.158	625.3	43.0	3832.5	99			8.6	5360		
10/31/2005	9	0.163	687.6	44.2	4490.9	112			10.1	6932		
10/31/2005	10	0.159	704.3	43.3	4469.7	112			10.0	7036		
10/31/2005	11	0.124	876.9	33.7	2051.0	109			4.6	4028		
10/31/2005	12	0.085	1096.7	23.1	76.8	93	527		0.2	189	24090	
12/21/2005	4	0.123	587.4	33.4	3502.4	72			7.9	4612		
12/21/2005	5	0.042	1195.0	11.5	588.1	50	122		1.3	1562	6174	
12/26/2005	16	0.142	571.6	38.5	3286.3	81			7.4	4217		
12/26/2005	17	0.045	1169.7	12.1	525.8	53	134		1.2	1392	5610	
1/15/2006	3	0.144	665.7	39.2	3014.7	96		798	6.7	4488		32600
1/15/2006	4	0.040	1259.9	10.9	434.4	50	146		1.0	1223	5710	
1/18/2006	15	0.163	653.3	44.4	3641.2	106			8.1	5316		
1/18/2006	16	0.013	1230.0	3.6	38.8	16	122		0.1	105	5421	
2/12/2006	17	0.135	673.3	36.8	3469.0	91	91		7.7	5216	5216	
4/14/2006	20	0.123	705.8	33.4	2998.8	87			6.7	4745		
4/14/2006	21	0.114	933.3	30.9	2429.6	106			5.5	5092		
4/14/2006	22	0.092	1046.2	24.9	840.7	96			1.9	1978		
4/14/2006	23	0.015	1316.8	4.0	14.8	20	309		0.0	44	11859	
5/15/2006	11	0.114	698.5	31.0	2720.4	80			6.1	4254		
5/15/2006	12	0.035	1403.8	9.5	44.5	49	129		0.1	140	4394	
6/2004 Through 6/2006												
No. per yr.	Hr/Ep	Avg NOX Rate			Average							
5	3	0.096		26.2	2043.8	75	188	938	4.6	3173	7932	39662
							TPY	0.5		TPY		20

Hines CT2B Emission Unit -015 - Warm/Hot Start (Both Emission Units on One Power Block) - 6/2004 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
6/18/2004	15	0.104	632.3	28.1	2969.8	66		856	6.7	4230		50242
6/18/2004	16	0.099	941.4	26.9	1941.8	93	159		4.4	4095	8326	
7/11/2004	21	0.042	387.2	11.3	2499.6	16			5.7	2190		
7/11/2004	22	0.105	846.5	28.6	2551.9	89			5.7	4828		
7/11/2004	23	0.007	1064.9	2.0	577.4	7			1.2	1310		
7/12/2004	0	0.009	1356.6	2.5	44.9	12	125		0.1	133	8461	
9/6/2004	14	0.104	706.3	28.3	3045.8	73			6.8	4812		
9/6/2004	15	0.103	866.8	28.0	3109.9	89			7.0	6036		
9/6/2004	16	0.103	866.2	28.1	3130.1	89			7.0	6049		
9/6/2004	17	0.095	908.3	25.9	2470.9	86			5.5	5011		
9/6/2004	18	0.006	1134.9	1.6	267.8	7	345		0.6	694	22603	
12/15/2004	9	0.129	544.6	35.1	3155.1	70			7.1	3844		
12/15/2004	10	0.141	943.8	38.2	3045.5	133			6.8	6458		
12/15/2004	11	0.020	1213.3	5.5	205.2	24	228		0.5	551	10853	
6/2004 Through 6/2006												
No. per yr.	Hr/Ep	Avg NOX Rate			Average							
2	4	0.076		20.7	2073	61	214	428	4.6	3589	12561	25121
							TPY	0.2		TPY		13

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2B Emission Unit -015 - Warm/Hot Start (One Emission Unit on One Power Block) - 6/2004 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values					Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmv)	DRY CO (corrected ppmv)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
7/12/2004	11	0.100	652.8	27.1	2918.9	65		513	6.6	4280		25818
7/12/2004	12	0.014	1319.6	3.9	150.6	18	84		0.3	434	4714	
9/27/2004	15	0.100	596.8	27.2	3005.2	60			6.7	4014		
9/27/2004	16	0.104	847.1	28.1	3253.3	88			7.3	6209		
9/27/2004	17	0.101	887.2	27.5	2676.4	90			6.0	5309		
9/27/2004	18	0.083	1029.2	22.4	479.7	85			1.08	1114		
9/27/2004	19	0.012	1366.8	3.2	20.1	16	339		0.0	63	16707	
11/8/2004	6	0.134	668.8	36.4	2933.7	90			6.6	4397	4397	
3/2/2005	1	0.082	396.7	22.4	2460.0	33		1595	5.5	2175		81844
3/2/2005	2	0.097	908.3	26.3	2328.2	88			5.2	4748		
3/2/2005	3	0.006	1321.0	1.6	149.6	8	129		0.3	451	7373	
3/15/2005	8	0.078	831.1	21.3	2118.6	65	65		4.7	3925	3925	
3/16/2005	8	0.076	881.4	20.7	2092.3	67	67		4.7	4121	4121	
3/17/2005	6	0.082	730.6	22.3	1822.0	60			4.1	2980		
3/17/2005	7	0.005	1224.1	1.4	362.4	6	66		0.8	964	3944	
3/18/2005	5	0.096	729.3	26.1	2178.2	70			4.9	3557		
3/18/2005	6	0.005	1594.2	1.3	33.4	8	78		0.1	125	3681	
3/22/2005	6	0.105	784.7	28.5	3033.1	82	82		6.8	5338	5338	
3/23/2005	8	0.102	775.7	27.8	2710.1	79	79		6.1	4695	4695	
3/25/2005	7	0.106	767.5	28.9	2861.3	81			6.4	4903		
3/25/2005	8	0.015	1550.2	4.2	45.6	23	105		0.1	154	5057	
3/26/2005	7	0.095	844.5	25.9	1995.2	80	80		4.5	3762	3762	
3/27/2005	8	0.076	841.4	20.7	1996.0	64	64		4.5	3753	3753	
3/28/2005	9	0.105	842.0	28.6	2141.3	88	88		4.8	4029	4029	
3/29/2005	8	0.113	838.1	30.7	2046.4	95	95		4.6	3843	3843	
4/3/2005	6	0.112	857.9	30.4	2354.6	96	96		5.3	4530	4530	
4/4/2005	7	0.115	861.1	31.1	2271.9	99	99		5.1	4403	4403	
4/30/2005	7	0.125	611.3	33.8	3459.4	76			7.8	4761		
4/30/2005	8	0.053	1141.9	14.3	926.3	61	137		2.1	2386	7147	
6/24/2005	6	0.091	726.6	24.7	2441.4	66	66		5.5	3978	3978	
10/3/2005	4	0.088	2.3	23.9	2106.2	0.20	0		4.7	11	11	
11/9/2005	11	0.096	788.7	26.2	1938.3	76	76		4.3	3410	3410	
11/20/2005	8	0.119	683.6	32.3	2968.6	81			6.7	4551		
11/20/2005	9	0.031	1342.6	8.4	96.8	42	123		0.2	292	4843	
4/8/2006	8	0.111	714.2	30.2	3149.9	79		352	7.0	5033		16222
4/8/2006	9	0.016	1340.4	4.2	5.9	21	101		0.0	18	5052	
5/10/2006	7	0.090	864.2	24.4	1859.2	78	78		4.2	3607	3607	
5/18/2006	8	0.099	848.5	27.0	2193.0	84	84		4.9	4153	4153	
5/19/2006	9	0.092	968.6	24.9	1565.2	89	89		3.5	3410	3410	
6/2004 Through 6/2006												
No. per yr.	Hr/Ep	Avg NOX Rate					Average					
13	2	0.091		21.8	1876	63	95	1230	4	3177	4765	61942
							TPY	0.6			TPY	31

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2B Emission Unit -015 - Shutdown (Includes Blend Out) - 6/2004 through 6/2006														
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values								
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmv)	DRY CO (corrected ppmv)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)		
7/2/2004	18	0.028	1328.6	7.7	17.3	37		680	0.0	51		43799		
7/2/2004	19	0.083	964.3	22.6	1685.6	80	117		3.8	3634	3685			
8/13/2004	16	0.016	1256.6	4.3	387.7	20	20		0.9	1103	1103			
9/4/2004	18	0.028	1059.8	7.6	972.3	30	30		2.2	2311	2311			
9/25/2004	18	0.066	854.1	17.8	2536.9	56			5.7	4890				
9/25/2004	19	0.105	594.3	28.5	2918.0	62	119		6.5	3889	8779			
10/8/2004	23	0.043	1009.5	11.8	1723.1	43			3.8	3858				
10/9/2004	0	0.117	703.7	31.8	3607.5	82	126		8.1	5685	9544			
11/6/2004	19	0.038	1055.4	10.2	990.3	40	40		2.2	2370	2370			
11/13/2004	23	0.059	842.0	16.0	2065.7	50	50		4.6	3904	3904			
12/1/2004	23	0.031	1064.3	8.5	1089.5	33			2.4	2574				
12/2/2004	0	0.131	708.2	35.6	3714.9	93	126		8.3	5893	8467			
12/21/2004	11	0.057	930.5	15.6	1756.3	53	53		3.9	3635	3635			
1/7/2005	20	0.013	1377.0	3.4	18.3	18		2139	0.0	59		138985		
1/7/2005	21	0.047	997.4	12.6	1878.3	47			4.3	4254				
1/7/2005	22	0.144	689.8	39.0	3958.7	99	164		8.9	6137	10450			
1/27/2005	20	0.028	1143.3	7.7	967.9	32			2.1	2449				
1/27/2005	21	0.150	651.6	40.6	3630.5	98	130		8.2		2449			
2/13/2005	12	0.036	1145.1	9.8	953.0	41			2.1	2440				
2/13/2005	13	0.164	671.3	44.5	3909.8	110	151		8.8	5888	8328			
3/14/2005	22	0.013	1289.1	3.6	379.3	17			0.8	1075				
3/14/2005	23	0.095	700.6	25.8	3578.5	67	83		8.0	5619	6694			
3/15/2005	22	0.011	1449.6	3.0	44.5	16			0.1	144				
3/15/2005	23	0.079	814.6	21.5	2900.7	64	80		6.5	5285	5429			
3/16/2005	22	0.012	1499.3	3.2	45.9	18			0.1	157				
3/16/2005	23	0.073	825.4	19.9	2640.2	60	78		5.9	4866	5023			
3/17/2005	23	0.051	910.8	13.9	1743.9	46	46		3.9	3547	3547			
3/21/2005	22	0.011	1464.9	3.0	57.2	16			0.1	187				
3/21/2005	23	0.085	793.0	23.1	3091.3	67	84		6.9	5491	5678			
3/22/2005	22	0.022	1199.9	6.0	673.0	26			1.5	1802				
3/22/2005	23	0.125	680.9	33.8	3773.8	85	112		8.5	5785	7587			
3/24/2005	22	0.077	824.8	20.8	2711.6	64	64		6.1	5040	5040			
3/25/2005	21	0.019	1210.8	5.0	547.2	23			1.3	1533				
3/25/2005	22	0.112	695.5	30.4	3745.0	78	101		8.4	5841	7374			
3/26/2005	22	0.012	1299.9	3.1	133.1	16			0.3	408				
3/26/2005	23	0.097	761.8	26.3	3254.6	74	89		7.3	5566	5974			
3/27/2005	21	0.011	1315.2	3.0	49.8	14			0.1	146				
3/27/2005	22	0.053	877.1	14.5	1922.6	46	61		4.3	3752	3898			
3/28/2005	22	0.012	1317.1	3.1	131.0	16			0.3	407				
3/28/2005	23	0.098	771.3	26.6	3264.3	76	91		7.3	5646	6053			
4/2/2005	22	0.061	923.5	16.5	1947.8	56	56		4.4	4048	4048			
4/3/2005	21	0.015	1237.5	4.1	531.3	19			1.2	1464				
4/3/2005	22	0.142	732.4	38.6	3854.2	104	123		8.6	6321	7785			
4/8/2005	22	0.050	940.1	13.5	1835.0	47	47		4.1	3889	3889			
4/28/2005	10	0.065	845.1	17.7	1993.7	55	55		4.5	3766	3766			
6/23/2005	21	0.024	1040.0	6.4	1061.4	25	25		2.4	2520	2520			
7/11/2005	13	0.014	1207.0	3.7	290.3	17			0.7	807				
7/11/2005	14	0.113	672.0	30.8	3697.2	76	93		8.3	5549	6356			
8/29/2005	21	0.012	1225.9	3.3	128.0	15			0.3	347				
8/29/2005	22	0.080	709.3	21.7	3231.3	57	71		7.3	5143	5491			
10/2/2005	22	0.046	1673.6	12.4	1486.0	77	77		3.4	5616	5616			
10/14/2005	20	0.046	917.4	12.5	1411.3	42			3.2	2900				
10/14/2005	21	0.128	535.6	34.7	2823.9	69	111		6.3	3396	6296			
11/18/2005	23	0.049	925.2	13.4	1501.7	45	45		3.3	3093	3093			
12/12/2005	14	0.045	990.0	12.3	1407.9	45	45		3.1	3104	3104			
12/23/2005	15	0.062	908.4	16.9	1723.8	56	56		3.8	3497	3497			
1/10/2006	23	0.016	1255.3	4.5	406.5	20		910	0.9	1104		5776		
1/11/2006	0	0.133	701.8	36.0	3903.1	93	113		8.8	6160	7264			
1/16/2006	12	0.027	1214.8	7.2	710.4	33			1.62	1970				
1/16/2006	13	0.158	639.8	42.8	3709.2	101	134		8.3	5333	7303			
1/19/2006	10	0.012	1377.0	3.2	30.0	17			0.1	94				
1/19/2006	11	0.101	800.3	27.4	3144.9	81	97		7.1	5647	5742			
2/10/2006	12	0.093	809.7	25.2	2752.0	75	75		6.2	5006	5006			
2/15/2006	23	0.039	1106.8	10.5	1236.6	43	43		2.8	3094	3094			
3/14/2006	22	0.030	1141.0	8.0	920.1	34			2.1	2396				
3/14/2006	23	0.126	648.6	34.1	3502.4	82	116		7.9	5109	7506			
4/12/2006	14	0.045	973.7	12.3	1249.4	44	44		2.8	2709	2709			
5/5/2006	21	0.012	1333.1	3.3	43.0	16			0.1	127				
5/5/2006	22	0.044	901.3	12.1	1701.0	40	56		3.8	3394	3520			
5/12/2006	22	0.012	1357.7	3.3	175.2	16			0.4	527				
5/12/2006	23	0.104	768.2	28.2	3254.6	80	96		7.3	5813	6139			
5/17/2006	22	0.068	836.1	18.4	2373.3	57	57		5.3	4464	4464			
5/18/2006	21	0.012	1450.5	3.2	34.5	17			0.1	114				
5/18/2006	22	0.076	805.8	20.5	2702.6	61	79		6.1	4915	5029			
6/2004 Through 6/2006						Average								
No. per yr. Hr/Ep. Avg NOX Rate														
		23	2	0.061		16.5	1814.1	50	81	1865	4.1	3295.3	5229.8	120280
										TPY	0.9		TPY	60

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2B Emission Unit -015 - Fuel Switch - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
12/8/2004	14	0.134	594.3	36.5	3326.3	80		343	7.4	4418		13890	
12/8/2004	15	0.137	769.9	35.3	1238.2	105			2.9	2252			
12/8/2004	16	0.011	1269.5	2.9	1.3	14			0.0	4			
12/8/2004	17	0.045	871.8	11.6	866.9	39			2.0	1785			
12/8/2004	18	0.170	617.8	46.0	3908.4	105	343		8.792	5432	13890		
8/30/2005	9	0.000	641.3	0.0	3529.1			97				5011	
8/30/2005	10	0.000	620.3	0.0	3505.1								
8/31/2005	10	0.089	428.7	24.1	2420.5	38			5.4	2333			
8/31/2005	11	0.065	899.1	17.6	1325.1	58	97		3.0	2678	5011		
4/7/2006	14	0.095	799.0	25.7	2829.0	76	76	410	6.4	5086	5086	22967	
5/9/2006	14	0.084	431.8	22.9	2199.7	36			4.9	2121			
5/9/2006	15	0.156	700.1	42.1	3658.7	109			8.3	5778			
5/9/2006	16	0.162	660.9	42.4	2911.9	107			6.8	4476			
5/9/2006	17	0.121	670.8	32.5	3622.4	81	334		8.2	5507	17881		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate						Average					
2	4	0.091		24.3	2524.5	71		212	425	5	3489	10467	20934
2006 Fuel Switch occurred during tuning session.								TPY	0.2			TPY	10.5

Hines CT2B Emission Unit -015 - Malfunction - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
12/15/2004	1	0.011	1248.3	3.0	225.7	14	14	14	0.5	629	629	629	
3/1/2005	20	0.150	635.0	40.6	2939.5	95	95		6.6	4198	4198		
6/6/2005	14	0.011	1637.9	3.0	20.1	18			0.0	73			
6/6/2005	15	0.029	1102.9	7.8	795.1	32	50		1.8	1985	2058		
9/2/2005	10	0.120	575.1	32.5	3619.7	69			8.1	4679			
9/2/2005	11	0.052	1064.0	14.1	825.8	55	124		1.854	1972	6651		
11/9/2005	6	0.017	1553.2	4.5	261.5	26	26		0.6	934			
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate						Average					
3	1	0.056		15.1	1241.1	44		62	7	3	2067	3384	314
								TPY	0.0			TPY	0.2

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT2B Emission Unit -015 - Tuning Session - 6/2004 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmv)	DRY CO (corrected ppmv)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
10/16/2004	17	0.078	429.9	21.1	2067.7	34		1347	4.7	2000		76475	
10/16/2004	18	0.112	465.0	30.5	2052.7	52			4.6	2134			
10/16/2004	20	0.123	631.8	33.5	3317.7	78			7.4	4685			
10/16/2004	21	0.133	774.5	36.0	4054.1	103			9.1	7061			
10/16/2004	22	0.132	784.0	35.7	3998.1	103			9.0	7055			
10/16/2004	23	0.040	1057.3	11.0	1142.1	42			2.5	2673			
10/17/2004	0	0.023	988.5	6.3	1825.0	23			4.1	4009			
10/17/2004	1	0.124	727.3	33.7	3609.3	90			8.1	5879			
10/17/2004	11	0.097	476.4	26.2	2759.8	46			6.2	2963			
10/17/2004	12	0.136	783.4	36.9	3968.6	107			8.9	6975			
10/17/2004	13	0.123	817.2	33.3	3505.6	101			7.9	6441			
10/17/2004	14	0.125	860.5	34.0	3319.3	108			7.4	6392			
10/17/2004	15	0.088	972.5	23.8	1793.7	86			4.0	3926			
10/17/2004	16	0.021	1145.8	5.8	42.1	24			0.1	106			
10/17/2004	17	0.023	1146.4	6.3	47.7	26			0.1	122			
10/17/2004	18	0.022	1148.4	5.9	62.1	25			0.1	162			
10/17/2004	19	0.020	1161.1	5.4	67.6	23			0.2	177			
10/17/2004	20	0.007	1224.8	1.9	61.3	9			0.1	168			
10/17/2004	21	0.008	1413.9	2.3	11.3	11			0.0	34			
10/18/2004	0	0.012	1261.1	3.2	126.8	15			0.3	365			
10/18/2004	21	0.012	1378.9	3.4	19.6	17			0.0	58			
10/18/2004	22	0.008	1255.3	2.2	24.0	10			0.1	67			
10/19/2004	1	0.035	1027.3	9.4	1024.9	36			2.3	2386			
10/19/2004	2	0.086	486.0	23.4	2376.7	42			5.3	2584			
10/19/2004	3	0.033	1047.0	8.9	848.9	35			1.9	2006			
10/20/2004	3	0.013	1310.1	3.6	253.1	17			0.6	729			
10/20/2004	4	0.089	612.0	24.2	3319.7	54			7.4	4548			
10/20/2004	5	0.021	1466.7	5.7	234.1	31	1347		0.5	770	76475		
4/25/2005	6	0.138	601.300	37.400	3556.300	82.979		717	8.0	4803		41279	
4/25/2005	7	0.145	749.300	39.200	4159.700	108.649			9.4	7018			
4/25/2005	8	0.154	680.900	41.900	4255.900	104.859			9.5	6483			
4/25/2005	9	0.157	702.600	42.600	4406.400	110.308			9.9	6945			
4/25/2005	10	0.153	726.600	41.600	4206.000	111.170			9.4	6842			
4/25/2005	11	0.145	817.800	39.400	3400.000	118.581			7.6	6229			
4/25/2005	12	0.077	973.700	20.800	1328.900	74.975			3.0	2916			
4/25/2005	13	0.005	1164.700	1.300	15.800	5.824	717		0.0	43	41279		
4/7/2006	6	0.124	637.9	33.6	3176.2	79		778	7.1	4551		37017	
4/7/2006	7	0.135	739.0	36.6	3999.3	100			9.0	6636			
4/7/2006	8	0.132	815.9	35.8	3485.2	108			7.8	6382			
4/7/2006	9	0.090	1080.4	24.4	618.4	97			1.4	1500			
4/7/2006	10	0.048	1250.5	13.1	24.0	60	444		0.1	67	19136		
5/9/2006	14	0.084	431.8	22.9	2199.7	36			4.9	2121			
5/9/2006	15	0.156	700.1	42.1	3658.7	109			8.3	5778			
5/9/2006	16	0.162	660.9	42.4	2911.9	107			6.8	4476			
5/9/2006	17	0.121	670.8	32.5	3622.4	81	334		8.2	5507	17881		
6/2004 Through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate			Average								
2	11	0.084			22.7	2110.2	63	710	1421	4.7	3439.4	38693	77386
							TPY	0.7			TPY	39	

**10/16 - 10/20 assumed the same tuning session.

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3A Emission Unit -016 - Cold Start (Both Emission Units on One Power Block) - 11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
12/21/2005	20	0.144	619.6	39.0	3335.5	89		631	7.5	4645		36527
12/21/2005	21	0.143	733.0	38.9	4132.8	105			9.2	6779		
12/21/2005	22	0.156	732.9	42.2	4149.0	114			9.3	6842		
12/21/2005	23	0.152	745.3	41.3	4190.6	113			9.4	6997		
12/22/2005	0	0.150	757.5	40.6	4163.7	114			9.4	7093		
12/22/2005	1	0.093	1028.9	25.3	1811.8	96	631		4.1	4171	36527	
1/6/2006	20	0.150	571.7	40.6	2871.6	86		1636	6.5	3692		82380
1/6/2006	21	0.147	719.7	39.9	3772.4	106			8.5	6089		
1/6/2006	22	0.142	751.1	38.4	3928.7	107			8.8	6642		
1/6/2006	23	0.141	754.3	38.3	3933.6	106			8.8	6649		
1/7/2006	0	0.142	752.6	38.4	3915.9	107			8.8	6634		
1/7/2006	1	0.119	458.9	32.2	3146.8	55			7.1	3249		
1/7/2006	2	0.060	1123.6	16.3	794.4	67	633		1.8	2000	34954	
1/21/2006	20	0.139	635.1	37.7	3318.5	88			7.4	4730		
1/21/2006	21	0.132	730.2	35.9	3828.6	96			8.6	6257		
1/21/2006	22	0.125	771.4	34.0	3771.9	96			8.4	6512		
1/21/2006	23	0.114	880.7	31.0	2949.2	100			6.6	5814		
1/22/2006	0	0.091	1039.1	24.7	1135.9	95			2.5	2647		
1/22/2006	1	0.028	1200.5	7.6	112.9	34	510		0.3	304	26264	
3/5/2006	20	0.141	566.2	38.4	1624.1	80			3.6	2055		
3/5/2006	21	0.130	797.7	35.2	2918.1	104			6.6	5233		
3/5/2006	22	0.130	818.3	35.4	2666.9	106			6.0	4878		
3/5/2006	23	0.132	815.5	35.8	2916.7	108			6.5	5338		
3/6/2006	0	0.093	939.4	25.4	1419.9	87			3.2	2973		
3/6/2006	1	0.007	1125.5	2.0	285.2	8	493		0.6	684	21162	
11/2005 through 6/2006												
No. per yr.	Hr/Ep	Avg NOX Rate				Average						
6	6	0.120		32.6	2843.8	91	567	3400	6.4	4756.3	29727	178361
Estimates per year are extrapolated from 8 months of operation.						TPY 1.7 TPY 89						
PB3 taken over by operations on November 1, 2005.												

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3A Emission Unit -016 - Cold Start (One Emission Unit on One Power Block) - 11/2005 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmv)	DRY CO (corrected ppmv)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
12/5/2005	20	0.123	680.2	33.4	3607.3	84		552	8.1	5500		30171	
12/5/2005	21	0.136	680.3	36.9	3703.9	93			8.3	5653			
12/5/2005	22	0.129	766.9	35.1	4173.8	99			9.3	7161			
12/5/2005	23	0.129	810.2	35.1	3867.1	105			8.7	7009			
12/6/2005	0	0.103	1018.3	27.9	1877.9	105			4.2	4297			
12/6/2005	1	0.054	1247.7	14.5	194.5	67	552		0.4	550	30171		
2/6/2006	3	0.139	673.9	37.8	3402.7	94		896	7.6	5133		33895	
2/6/2006	4	0.069	1123.4	18.7	685.2	78	171		1.5	1729	6862		
5/2/2006	10	0.150	638.5	40.7	2887.6	96			6.5	4136			
5/2/2006	11	0.047	1189.0	12.9	103.8	56	152		0.2	274	4410		
5/18/2006	20	0.128	582.3	34.8	2987.9	75			6.7	3895			
5/18/2006	21	0.113	453.3	30.6	2968.1	51			6.7	3024			
5/18/2006	22	0.130	702.0	35.2	3765.2	91			8.5	5942			
5/18/2006	23	0.118	822.7	32.0	2379.2	97			5.3	4394			
5/19/2006	0	0.094	1024.6	25.6	481.0	96			1.1	1102			
5/19/2006	1	0.030	1288.8	8.2	5.2	39	449		0.0	15	18372		
6/7/2006	3	0.118	609.7	32.1	3031.9	72			6.8	4136			
6/7/2006	4	0.047	1108.7	12.7	46.0	52	124		0.1	115	4251		
11/2005 through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate		Average									
8	4	0.103		28.0	2232	80	290	2172	5.0	3559	12813	96098	
Estimates per year are extrapolated from 8 months of operation.							TPY	1.1			TPY	48	
PB3 taken over by operations on November 1, 2005.													

Hines CT3A Emission Unit -016 - Warm/Hot Start (Both Emission Units on One Power Block) - 11/2005 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmv)	DRY CO (corrected ppmv)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
11/7/2005	9	0.104	472.6	28.2	3177.7	49		126	7.1	3371		6783	
11/7/2005	10	0.076	1012.4	20.6	1500.5	77	126		3.4	3411	6783		
11/2005 through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate		Average									
2	2	0.090		24.4	2339	63	126	189	5	3391	6783	10174	
Estimates per year are extrapolated from 8 months of operation.							TPY	0.1			TPY	5	
PB3 taken over by operations on November 1, 2005.													

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3A Emission Unit -016 - Warm/Hot Start (One Emission Unit on One Power Block) - 11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values					Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
11/1/2005	6	0.072	1003.6	19.6	1117.2	72	72	345	2.5	2507	2507	17683
11/4/2005	6	0.112	781.6	30.5	2515.9	88			5.6	4395		
11/4/2005	7	0.010	1241.2	2.8	5.9	12	100		0.0	16	4411	
11/4/2005	16	0.097	499.9	26.4	3572.8	48			8.0	3995		
11/4/2005	17	0.059	965.8	16.1	1734.8	57	105		3.9	3737	7732	
11/16/2005	6	0.072	939.5	19.4	1428.9	68	68		3.2	3033	3033	
1/24/2006	7	0.104	802.0	28.3	2274.6	83	83	2310	5.1	4081	4081	84735
1/26/2006	4	0.150	648.0	40.7	3476.8	97			7.8	5054		
1/26/2006	5	0.023	1179.1	6.2	162.2	27	124		0.4	432	5486	
3/10/2006	8	0.080	904.8	21.7	955.9	72	72		2.1	1941	1941	
3/11/2006	8	0.108	769.4	29.2	1807.0	83	83		4.1	3130	3130	
3/12/2006	9	0.088	430.9	23.9	1234.8	38			2.8	1193		
3/12/2006	10	0.088	690.6	23.9	1224.1	61			2.7	1895		
3/12/2006	11	0.010	1299.3	2.7	1.9	13	112		0.0	6	3093	
3/13/2006	8	0.069	850.7	18.6	1003.1	59			2.3	1927		
3/13/2006	9	0.016	1565.8	4.4	1.6	25	84		0.0	6	1932	
3/14/2006	8	0.058	933.8	15.7	886.2	54	54		2.0	1861	1861	
3/17/2006	12	0.139	660.2	37.8	2173.8	92			4.9	3212		
3/17/2006	13	0.044	1289.0	11.9	56.8	57	148		0.1		3212	
3/29/2006	10	0.154	621.7	41.7	2876.4	96			6.5	4020		
3/29/2006	11	0.029	1318.9	7.8	2.6	38	134		0.0	8	4026	
3/30/2006	11	0.146	661.2	39.5	3007.8	97			6.8	4475		
3/30/2006	12	0.020	1358.8	5.5	1.0	27	124		0.0	3	4478	
3/31/2006	11	0.131	768.1	35.6	2227.6	101	101		5.0	3833	3833	
4/1/2006	10	0.078	890.6	21.3	1310.7	69			2.9	2602		
4/1/2006	11	0.014	1612.1	3.8	0.7	23	92		0.0	3	2605	
4/3/2006	8	0.120	700.2	32.6	2926.9	84			6.6	4592		
4/3/2006	9	0.003	1237.9	0.8	94.2	4	88		0.2	266	4858	
4/4/2006	9	0.063	887.5	17.2	1400.0	56			3.1	2770		
4/4/2006	10	0.014	1398.4	3.8	0.8	20	75		0.0	3	2773	
4/5/2006	9	0.068	906.9	18.4	1260.6	62	62		2.8	2572	2572	
4/6/2006	6	0.076	848.3	20.5	1365.3	64			3.1	2614		
4/6/2006	7	0.013	1469.4	3.5	1.0	19	84		0.0	3	2617	
4/7/2006	6	0.104	794.4	28.3	1739.5	83	83		3.9	3091	3091	
4/8/2006	8	0.071	863.3	19.2	918.8	61	61		2.1	1785	1785	
4/9/2006	13	0.108	745.4	29.2	1933.0	81	81		4.4	3244	3244	
4/10/2006	9	0.071	965.0	19.3	1048.9	69	69		2.3	2267	2267	
4/12/2006	7	0.072	898.7	19.5	1375.0	65	65		3.1	2777	2777	
4/14/2006	9	0.086	870.5	23.3	1378.6	75			3.1	2696		
4/14/2006	10	0.012	1281.4	3.3	1.0	15	90		0.0	3	2699	
4/16/2006	9	0.063	933.4	17.2	1151.9	59	59		2.6	2397	2397	
4/26/2006	8	0.054	990.0	14.7	911.0	53	53		2.0	2017	2017	
4/27/2006	6	0.109	595.0	29.5	3250.2	65	65		7.3	4350	4350	
4/28/2006	16	0.125	551.2	33.9	3121.3	69	69		7.0	3862	3862	
5/11/2006	8	0.052	1004.9	14.2	848.2	52	52		1.9	1900	1900	
6/8/2006	3	0.048	905.8	13.0	907.5	43	43		2.0	1848	1848	

11/2005 through 6/2006

No. per yr.	Hr/Ep	Avg NOX Rate	Average									
48	1	0.072	19.5	1319	58	83	3983		3.0	2276	3201	153627
Estimates per year are extrapolated from 8 months of operation.							TPY	2.0			TPY	77

PB3 taken over by operations on November 1, 2005.

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3A Emission Unit -016 - Shutdown (Includes Blend Out) - 11/2005 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmv)	DRY CO (corrected ppmv)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
11/3/2005	22	0.007	1227.5	1.8	81.1	9	64	166	0.2	236	16064	16064	
11/3/2005	23	0.079	699.5	21.4	3419.8	55	64	166	7.7	5375	5611	5611	
11/15/2005	22	0.019	1156.0	5.1	796.2	22	22	22	1.8	2087	2087	2087	
11/17/2005	7	0.012	1264.5	3.2	354.7	15	15	15	0.8	1024	1024	1024	
12/14/2005	11	0.039	824.7	10.6	2744.0	32	32	32	6.1	5068	5068	5068	
12/23/2005	23	0.034	958.6	9.3	1065.7	33	33	33	2.4	2273	2273	2273	
1/7/2006	11	0.042	865.9	11.4	1972.9	36	36	1175	4.42	3831	3831	89544	
1/23/2006	22	0.023	1215.8	6.3	863.3	28	28	28	1.9	2333	2333	2333	
1/24/2006	22	0.023	1082.0	6.3	1039.7	25	25	25	2.3	2500	2500	2500	
1/27/2006	10	0.048	845.7	13.2	1624.5	41	41	41	3.6	3041	3041	3041	
2/17/2006	22	0.027	926.2	7.3	1465.4	25	25	25	3.3	3056	3056	3056	
3/9/2006	22	0.018	1107.8	4.8	693.0	20	20	20	1.6	1752	1752	1752	
3/10/2006	22	0.010	1262.0	2.7	162.0	13	13	13	0.4	461	461	461	
3/10/2006	23	0.075	715.6	20.3	2508.9	54	66	66	5.6	4038	4499	4499	
3/11/2006	22	0.009	1404.9	2.5	99.5	13	13	13	0.2	306	306	306	
3/11/2006	23	0.064	744.4	17.4	1902.8	48	60	60	4.3	3171	3478	3478	
3/12/2006	22	0.021	1004.6	5.6	992.9	21	21	21	2.3	2277	2277	2277	
3/13/2006	22	0.010	1173.1	2.8	347.5	12	12	12	0.8	886	886	886	
3/13/2006	23	0.083	664.1	22.5	2630.3	55	67	67	5.9	3922	4809	4809	
3/14/2006	22	0.009	1199.0	2.5	270.3	11	11	11	0.6	710	710	710	
3/14/2006	23	0.055	730.9	15.0	2010.9	40	51	51	4.5	3280	3991	3991	
3/28/2006	22	0.018	1136.8	4.8	542.7	20	20	20	1.2	1408	1408	1408	
3/29/2006	22	0.012	1182.9	3.3	455.1	14	14	14	1.0	1192	1192	1192	
3/29/2006	23	0.119	607.1	32.3	2900.4	72	86	86	6.5	5333	6192	6192	
3/30/2006	22	0.043	890.7	11.7	1484.2	38	38	38	3.3	2957	2957	2957	
3/31/2006	22	0.019	1112.8	5.1	779.8	21	21	21	1.8	1968	1968	1968	
4/1/2006	22	0.022	1072.8	6.0	891.8	24	24	24	2.0	2135	2135	2135	
4/3/2006	21	0.020	1086.6	5.3	850.1	22	22	22	2.0	2122	2122	2122	
4/4/2006	21	0.010	1214.2	2.6	258.5	12	12	12	0.6	735	735	735	
4/4/2006	22	0.089	645.5	24.2	3142.0	57	70	70	7.0	4540	5275	5275	
4/5/2006	21	0.009	1229.5	2.5	193.6	11	11	11	0.4	522	522	522	
4/6/2006	21	0.009	1235.6	2.4	157.0	11	11	11	0.4	443	443	443	
4/6/2006	22	0.064	748.0	17.4	2918.0	48	59	59	6.5	4887	5330	5330	
4/7/2006	21	0.009	1498.7	2.3	56.0	13	13	13	0.1	200	200	200	
4/7/2006	22	0.040	832.0	10.7	1963.0	33	47	47	4.5	3716	3916	3916	
4/8/2006	22	0.040	830.8	10.9	1793.6	33	33	33	4.0	3329	3329	3329	
4/9/2006	21	0.009	1309.0	2.3	160.5	12	12	12	0.4	500	500	500	
4/9/2006	22	0.074	701.3	20.1	3027.9	52	64	64	6.8	4759	5259	5259	
4/11/2006	21	0.017	1159.3	4.6	625.4	20	20	20	1.4	1631	1631	1631	
4/13/2006	21	0.018	1139.4	4.9	621.7	21	21	21	1.4	1584	1584	1584	
4/15/2006	22	0.032	955.2	8.6	1043.3	31	31	31	2.4	2257	2257	2257	
4/25/2006	22	0.009	1262.0	2.4	41.6	11	11	11	0.1	120	120	120	
4/25/2006	23	0.070	647.6	19.0	2653.9	45	57	57	6.0	3854	3974	3974	
4/26/2006	23	0.059	692.3	16.1	2435.4	41	41	41	5.4	3761	3761	3761	
5/10/2006	22	0.020	1007.4	5.5	938.0	20	20	20	2.1	2092	2092	2092	
5/11/2006	22	0.014	1238.2	3.7	386.1	17	17	17	0.9	1101	1101	1101	
5/28/2006	22	0.014	1161.8	3.7	390.9	16	16	16	0.9	1046	1046	1046	
6/7/2006	14	0.014	1289.8	3.8	387.4	18	18	18	0.9	1121	1121	1121	
11/2005 through 6/2006													
No. per yr. Hr/Ep. Avg NOX Rate						Average							
56 1 0.033						28 36 2012 2.7 2247 2854 158412							
Estimates per year are extrapolated from 8 months of operation.						TPY 1.0 TPY 79							
PB3 taken over by operations on November 1, 2005.													

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3A Emission Unit -016 - Fuel Switch -11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
5/16/2006	10	0.117	611.9	31.8	3088.5	72		294	6.9	4233		13603
5/16/2006	11	0.180	781.5	46.7	2377.3	141			5.6	4359		
5/16/2006	12	0.125	657.2	34.0	3407.7	82	294		7.6	5012	13603	
11/2005 through 6/2006						Average						
No. per yr.	Hr/Ep	Avg NOX Rate										
2	3	0.141		37.5	2957.8	98	294	442	6.7	4534	13603	20405
Estimates per year are extrapolated from 8 months of operation.						TPY	0.2				TPY	10.2
PB3 taken over by operations on November 1, 2005.												
Fuel Switch occurred during tuning session.												

Hines CT3A Emission Unit -016 - Malfunction -11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
1/15/2006	2	0.126	512.4	34.1	2672.7	65	65	105	6.0	3080	3080	3088
6/14/2006	10	0.011	1681.3	3.0	1.0	18			0.0	4		
6/14/2006	11	0.013	1687.5	3.4	1.0	22	40		0.002	4	8	
11/2005 through 6/2006						Average						
No. per yr.	Hr/Ep	Avg NOX Rate										
3	2	0.050		13.5	891.6	35.0	52.5	157	2.0	1029.3	1544.0	4632
Estimates per year are extrapolated from 8 months of operation.						TPY	0.1				TPY	2.3
PB3 taken over by operations on November 1, 2005.												

Hines CT3A Emission Unit -016 - Tuning Session - 11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
5/16/2006	10	0.117	611.9	31.8	3088.5	72		294	6.9	4233		13603
5/16/2006	11	0.180	781.5	46.7	2377.3	141			5.6	4359		
5/16/2006	12	0.125	657.2	34.0	3407.7	82	294		7.6	5012	13603	
11/2005 through 6/2006						Average						
No. per yr.	Hr/Ep	Avg NOX Rate										
2	3	0.141		37.5	2957.8	98	294	442	6.7	4534	13603	20405
Estimates per year are extrapolated from 8 months of operation.						TPY	0.2				TPY	10.2
PB3 taken over by operations on November 1, 2005.												

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3B Emission Unit -017 - Cold Start (Both Emission Units on One Power Block) - 11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
12/21/2005	20	0.156	606.0	42.2	3259.9	95		635	7.3	4445		35712
12/21/2005	21	0.155	708.4	42.1	3989.0	110			8.9	6333		
12/21/2005	22	0.156	724.8	42.3	4180.2	113			9.4	6802		
12/21/2005	23	0.152	736.8	41.3	4224.8	112			9.5	6974		
12/22/2005	0	0.150	749.4	40.6	4198.7	112			9.4	7076		
12/22/2005	1	0.091	1022.3	24.6	1773.6	93	635		4.0	4083	35712	
1/6/2006	20	0.148	575.1	40.1	2370.5	85		774	5.3	3063		41424
1/6/2006	21	0.144	729.0	39.0	3692.6	105			8.3	6050		
1/6/2006	22	0.143	761.5	38.7	3922.6	109			8.8	6719		
1/6/2006	23	0.143	763.9	38.7	3933.2	109			8.8	6758		
1/7/2006	0	0.143	762.2	38.7	3918.5	109			8.8	6718		
1/7/2006	1	0.135	535.2	36.7	2854.3	72			6.4	3421		
1/7/2006	2	0.055	1186.6	14.8	635.9	65	655		1.4	1707	34435	
3/5/2006	20	0.022	620.4	5.9	428.1	14			1.0	603		
3/5/2006	21	0.030	875.2	8.1	820.8	26			1.9	1620		
3/5/2006	22	0.025	897.6	6.8	638.8	22			1.4	1283		
3/5/2006	23	0.025	893.5	6.7	661.7	22			1.5	1343		
3/6/2006	0	0.025	1027.1	6.8	469.7	26			1.1	1080		
3/6/2006	1	0.007	1226.2	1.9	385.8	9	119		0.9	1061	6989	
11/2005 through 6/2006						Average						
No. per yr.	Hr/Ep	Avg NOX Rate										
5	6	0.100		27.2	2439.9	74	470	2113	5.5	4060	25712	115704
Estimates per year are extrapolated from 8 months of operation.						TPY		1.1			TPY	58
PB3 taken over by operations on November 1, 2005.												

Hines CT3B Emission Unit -017 - Cold Start (One Emission Unit on One Power Block) - 11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
1/10/2006	20	0.140	657.6	38.0	3369.5	92		1030	7.6	4969		46924
1/10/2006	21	0.128	806.3	34.6	3449.5	103			7.8	6263		
1/10/2006	22	0.120	915.5	32.6	2620.9	110			5.9	5376		
1/10/2006	23	0.082	1070.8	22.3	554.0	88	393		1.2	1328	17936	
1/30/2006	20	0.125	597.4	33.9	3208.9	75			7.2	4303		
1/30/2006	21	0.118	833.8	32.1	3024.2	98			6.8	5642		
1/30/2006	22	0.118	874.1	32.1	2898.2	103			6.5	5669		
1/30/2006	23	0.095	1038.3	25.8	1203.7	99			2.7	2801		
1/31/2006	0	0.022	1235.2	6.1	34.7	27	402		0.1	94	18509	
2/12/2006	14	0.142	722.7	38.5	3442.8	103			7.7	5586		
2/12/2006	15	0.042	1231.8	11.5	203.7	52	154		0.5	558	6144	
5/28/2006	6	0.069	668.8	18.8	2853.1	46			6.4	4263		
5/28/2006	7	0.028	1245.2	7.7	25.9	35	81		0.1	71	4334	
11/2005 through 6/2006						Average						
No. per yr.	Hr/Ep	Avg NOX Rate										
6	3	0.095		25.7	2068	79	258	1545	4.6	3610	11731	70386
Estimates per year are extrapolated from 8 months of operation.						TPY		0.8			TPY	35.2
PB3 taken over by operations on November 1, 2005.												

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3B Emission Unit -017 - Warm/Hot Start (Both Emission Units on One Power Block) - 11/2005 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
11/7/2005	6	0.104	1.1	28.3	2810.3	0.1		21	6.3	7		568	
11/7/2005	7	0.058	357.1	15.8	702.6	21	21		1.6	561	568		
11/2005 through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate				Average							
1.5	2	0.081		22.1	1756	10	21	31	4	284	568	851	
Estimates per year are extrapolated from 8 months of operation.						TPY			0.0			TPY	0.4
PB3 taken over by operations on November 1, 2005.													

Hines CT3B Emission Unit -017 - Warm/Hot Start (One Emission Unit on One Power Block) - 11/2005 through 6/2006													
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values							
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)	
11/2/2005	6	0.066	971.1	18.0	1067.4	64	64	231	2.4	2314	2314	10204	
11/3/2005	6	0.069	290.1	18.6	2356.6	20			5.3	1544			
11/3/2005	7	0.074	960.2	20.0	1313.3	71	91		3.0	2840	4384		
11/17/2005	6	0.074	896.1	20.0	1490.9	66			3.4	3009			
11/17/2005	7	0.007	1381.7	1.8	152.1	10	76		0.4	497	3506		
1/22/2006	9	0.152	574.4	41.3	3661.4	87		619	8.20	4712		22764	
1/22/2006	10	0.072	1003.3	19.6	1474.5	72	160		3.3	3308	8020		
3/7/2006	18	0.118	973.4	31.9	1471.6	115	115		3.3	3225	3225		
4/11/2006	9	0.059	1013.5	15.9	877.8	60			2.0	2009			
4/11/2006	10	0.012	1354.7	3.2	1.2	16	76		0.0	4	2013		
5/3/2006	9	0.098	894.5	26.6	1544.8	88			3.5	3099			
5/3/2006	10	0.012	1326.9	3.3	1.5	16	104		0.0	4	3103		
5/4/2006	9	0.076	913.9	20.5	1272.1	69	69		2.9	2624	2624		
5/5/2006	13	0.121	790.0	32.8	2130.1	96	96		4.8	3779	3779		
11/2005 through 6/2006													
No. per yr.	Hr/Ep	Avg NOX Rate				Average							
13.5	2	0.072		19.5	1344	61	94	1275	3	2355	3663	49451	
Estimates per year are extrapolated from 8 months of operation.						TPY			0.6			TPY	25
PB3 taken over by operations on November 1, 2005.													

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3B Emission Unit -017 - Shutdown (Includes Blend Out) - 11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
11/1/2005	18	0.009	1134.3	2.5	274.8	10		177	0.6	683		14429
11/1/2005	19	0.080	653.8	21.7	3542.9	52	63		8.0	5198	5881	
11/2/2005	23	0.027	911.5	7.3	1219.0	25	25		2.7	2502	2502	
11/16/2005	22	0.029	953.0	7.8	1071.2	28	28		2.4	2310	2310	
12/23/2005	13	0.008	1255.2	2.3	43.2	10			0.1	115		
12/23/2005	14	0.083	628.4	22.5	2566.3	52	62		5.8	3621	3736	
1/7/2006	11	0.036	875.2	9.7	1760.7	32	32	462	3.98	3481	3481	41005
1/16/2006	14	0.035	886.2	9.6	1193.7	31	31		2.6	2348	2348	
1/27/2006	21	0.023	960.9	6.3	1316.9	22	22		2.9	2812	2812	
2/10/2006	12	0.052	829.7	14.0	2455.4	43	43		5.6	4606	4606	
2/15/2006	9	0.018	1146.7	4.9	725.2	21	21		1.6	1859	1859	
3/6/2006	22	0.009	1358.5	2.4	58.9	12			0.1	183		
3/6/2006	23	0.071	761.4	19.4	2912.0	54	66		6.5	4939	5122	
4/10/2006	21	0.011	1266.8	3.0	337.9	14			0.8	955		
4/10/2006	22	0.093	661.2	25.3	3331.0	61	75		7.5	4928	5883	
4/27/2006	23	0.035	863.9	9.6	1305.5	30	30		2.9	2503	2503	
5/2/2006	22	0.030	955.5	8.2	1157.1	29	29		2.6	2462	2462	
5/3/2006	22	0.041	807.3	11.2	1952.8	33	33		4.4	3513	3513	
5/4/2006	21	0.009	1439.2	2.4	12.9	13			0.0	42		
5/4/2006	22	0.044	824.5	11.9	2015.2	36	49		4.5	3740	3782	
5/12/2006	23	0.038	812.5	10.3	1442.8	31	31		3.2	2633	2633	
11/2005 through 6/2006												
No. per yr. Hr/Ep. Avg NOX Rate						Average						
24 1 0.037						30 40 959 3 2640 3465 83151						
Estimates per year are extrapolated from 8 months of operation.						TPY 0.5 TPY 41.6						
PB3 taken over by operations on November 1, 2005.												

Hines CT3B Emission Unit -017 - Fuel Switch -11/2005 through 6/2006												
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values						
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)
4/28/2006	4	0.117	583.8	31.2	3838.4	68		501	8.8	5115		24747
4/28/2006	5	0.051	1454.1	13.2	224.7	74			0.5	768		
4/28/2006	6	0.045	1057.9	11.7	1048.3	48			2.5	2596		
4/28/2006	7	0.026	1109.1	7.1	940.0	29	219		2.1	2324	10804	
5/16/2006	15	0.097	388.9	26.4	2385.8	38			5.3	2075		
5/16/2006	16	0.168	803.1	44.5	3254.5	135			7.5	6006		
5/16/2006	17	0.142	772.1	37.6	3302.4	110	282		7.6	5862	13943	
11/2005 through 6/2006												
No. per yr. Hr/Ep. Avg NOX Rate						Average						
3 4 0.092						72 251 752 4.9 3535 12373 37120						
Estimates per year are extrapolated from 8 months of operation.						TPY 0.4 TPY 18.6						
PB3 taken over by operations on November 1, 2005.												
Fuel Switch occurred during tuning session.												

Operational CEMs Data
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Hines CT3B Emission Unit -017 - Malfunction - 11/2005 through 6/2006														
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values								
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)		
12/12/2005	5	0.141	563.3	38.2	2708.6	79		358	6.1	3428		12157		
12/12/2005	6	0.113	589.9	30.6	3088.1	67			6.9	4095				
12/12/2005	7	0.120	951.0	32.7	2176.0	114			4.9	4623				
12/12/2005	8	0.064	1271.5	17.4	2.4	81			0.0	7				
12/12/2005	9	0.013	1272.9	3.6	1.8	17	358		0.0	5	12157			
1/15/2006	20	0.030	1432.9	8.1	1.6	43		135	0.0	5		10		
1/15/2006	21	0.064	1433.7	17.4	1.6	92	135		0.0	5	10			
11/2005 through 6/2006														
No. per yr.	Hr/Ep	Avg NOX Rate				Average								
3	4	0.078				21.1	1140	70	246	739	2.6	1738	6084	18252
Estimates per year are extrapolated from 8 months of operation.								TPY	0.4	TPY		9.1		
PB3 taken over by operations on November 1, 2005.														

Hines CT3B Emission Unit -017 - Tuning Session - 11/2005 through 6/2006														
CEMS Data Acquisition and Handling System (DAHS) Values						Calculated Values								
Date	Hour	NOX Rate (lb/mmBTU)	Total HI for this Hour (MMBTU)	DRY NOX (corrected ppmvd)	DRY CO (corrected ppmvd)	NOX Mass Rate (lb/hr)	NOX Total Mass Rate (lbs/Episode)	NOX Total Mass per year (lbs/yr)	CO Rate (lb/mmBTU)	CO Mass Rate (lb/hr)	CO Total Mass Rate (lbs/Episode)	CO Total Mass per year (lbs/yr)		
4/28/2006	4	0.117	583.8	31.2	3838.4	68		501	8.8	5115		24747		
4/28/2006	5	0.051	1454.1	13.2	224.7	74			0.5	768				
4/28/2006	6	0.045	1057.9	11.7	1048.3	48			2.5	2596				
4/28/2006	7	0.026	1109.1	7.1	940.0	29	219		2.1	2324	10804			
5/16/2006	15	0.097	388.9	26.4	2385.8	39			5.3	2075				
5/16/2006	16	0.168	803.1	44.5	3254.5	135			7.5	6006				
5/16/2006	17	0.142	772.1	37.6	3302.4	110	282		7.6	5862	13943			
11/2005 through 6/2006														
No. per yr.	Hr/Ep	Avg NOX Rate				Average								
3	4	0.092				24.5	2142.0	72	251	752	4.9	3535	12373	37120
Estimates per year are extrapolated from 8 months of operation.								TPY	0.4	TPY		18.6		
PB3 taken over by operations on November 1, 2005.														

ASTM Methods – Fuel Sulfur Content

Florida Power Corporation d/b/a Progress Energy Florida, Inc.

Hines Energy Complex

Power Block 1: CT1A (Emission Unit No. -001) and CT1B (Emission Unit -002)

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)

Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

ASTM Methods – Fuel Sulfur Content
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex

Power Block 1: CT1A (Emission Unit No. -001) and CT1B (Emission Unit -002)
Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

In the PEF Hines Energy Complex Title V Permit as well as the Power Block 3 PSD construction permit, the ASTM methods listed for fuel sulfur content determination are out of date for both fuel oil and natural gas. Also, the references to specific paragraphs of NSPS, 40 CFR 60 Subpart GG that related to sulfur content analysis were either out of date or incorrect. Recently, PEF discovered that not only were these methods not current, they were also no longer performed by the certified laboratories.

These emission units are also subject to Acid Rain which also lists specific ASTM methods for sulfur content determination. Some of these methods are the same as those required by 40 CFR 60, Subpart GG.

In 40 CFR 60, Subpart GG, the ASTM methods are listed in two separate sections for natural gas:

- In 40 CFR 60.334(h)(1), which is as follows, if the sulfur content of the natural gas is known to be less than 0.4 wt% or 4000 ppmw, then these methods may be used in lieu of those in §60.335(b)(10)(ii).

§60.335(b)(10)(ii).

h) The owner or operator of any stationary gas turbine subject to the provisions of this subpart:

(1) Shall monitor the total sulfur content of the fuel being fired in the turbine, except as provided in paragraph (h)(3) of this section. The sulfur content of the fuel must be determined using total sulfur methods described in Sec. 60.335(b)(10). Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than 0.4 weight percent (4000 ppmw), ASTM D4084-82, 94, D5504-01, D6228-98, or Gas Processors Association Standard 2377-86 all of which are incorporated by reference-see Sec. 60.17), which measure the major sulfur compounds may be used; and

- The ASTM methods to be used no matter what the sulfur content are listed in 40 CFR 60.335(b)(10)(ii), which is below.

§60.335(b)(10)(ii)

(ii) For gaseous fuels, ASTM D1072-80, 90 (Reapproved 1994); D3246-81, 92, 96; D4468-85 (Reapproved 2000); or D6667-01 (all of which are incorporated by reference, see Sec. 60.17). The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases. Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the prior approval of the Administrator.

- For fuel oil, ASTM methods are in 40 CFR 60.335(b)(10)(i), which is as follows:

§60.335(b)(10)(i)

(i) For liquid fuels, ASTM D129-00, D2622-98, D4294-02, D1266-98, D5453-00 or D1552-01 (all of which are incorporated by reference, see § 60.17); or

ASTM Methods – Fuel Sulfur Content
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex
Power Block 1: CT1A (Emission Unit No. -001) and CT1B (Emission Unit -002)
Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

In the Acid Rain program, 40 CFR 75, Appendix D, the ASTM methods are listed as follows:

Appendix D to 40 CFR 75

App. D § 2.3.3.1.2

2.3.3.1.2 Use one of the following methods when using manual sampling (as applicable to the type of gas combusted) to determine the sulfur content of the fuel: ASTM D1072-90, "Standard Test Method for Total Sulfur in Fuel Gases," ASTM D4468-85 (Reapproved 1989) "Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Radiometric Colorimetry," ASTM D5504-94 "Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence," or ASTM D3246-81 (Reapproved 1987) "Standard Test Method for Sulfur in Petroleum Gas By Oxidative Microcoulometry" (incorporated by reference under § 75.6).

App. D § 2.2.5

2.2.5 Split and label each oil sample. Maintain a portion (at least 200 cc) of each sample throughout the calendar year and in all cases for not less than 90 calendar days after the end of the calendar year allowance accounting period. Analyze oil samples for percent sulfur content by weight in accordance with ASTM D129-91, "Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)," ASTM D1552-90, "Standard Test Method for Sulfur in Petroleum Products (High Temperature Method)," ASTM D2622-92, "Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry," or ASTM D4294-90, "Standard Test Method for Sulfur in Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy" (incorporated by reference under § 75.6).

PEF is requesting that all references to the ASTM methods for fuel sulfur content determination be clarified, corrected, and updated as well as language be included to address the future event of ASTM methods in the Title V permit being no longer used and not applicable.

Methods of Operation
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex
Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

**The Methods of Operation (Pages MO-2 through MO-6)
contains Company Confidential information.**

**Company
Confidential**

Methods of Operation
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Abbreviations:
 CT = Combustion Turbine
 HRSG = Heat Recovery Steam Generator
 PB = Power Block
 ST = Steam Turbine

Cold Start-up (Both Emission Units on One Power Block)

Initial Conditions: Both emission units shut down for >48 hours. Start up both emission units in one PB.

	Minimum	Average	Maximum	Operation Description
	35	37.5	40	The combustion turbines (CTs) are started and online within 35 to 40 minutes.
	5	7.5	10	Once the CT breakers are closed the steam turbine (ST) is started; begins its tests; awaits proper conditions.
	30	32.5	35	The CTs are taken to 16 MW to allow for the heat recovery steam generator (HRSG) midwall temperature to drop below 165 degrees_F
	10	12.5	15	The CTs are then ramped up to 25 to 40 MW and sit at that load until the ST is on line.
	50	75	100	The ST waits for proper conditions and temperatures, then rolls up and comes on line.
	15	17.5	20	Once the ST is online, the plant is stabilized, and the CTs can begin to ramp up in load.
	145	152.5	160	The CTs are slowly ramped up at approximately 0.70 MW per minute. This slow rate is due to the restrictions caused by minimizing the stresses on the ST. At 125 MW on the CTs the units are in compliance.
Total Minutes	290	335	380	

	Minimum	Average	Maximum	
Hours	4	5	6	This is the time it takes for the two emission units on each PB to come on line and get in compliance during a Two (CT) -on-One (ST) Cold Start.
Minutes	50	35	20	

**Company
Confidential**

Methods of Operation
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Abbreviations:
CT = Combustion Turbine
HRSG = Heat Recovery Steam Generator
PB = Power Block
ST = Steam Turbine

**Cold Blend Start-up - One Emission Unit on One Power Block
(Emission Unit shut down >48 hours)**

Initial Conditions: 1 CT on 1 ST at minimum load. Start and blend in off line emission unit.

	Minimum	Average	Maximum	Operation Description
				Initiate start
	7	10	13	Flame on.
	11	13	15	Field breaker closed.
	2	4.5	7	Generator Breaker closed
	15	30	45	Hold for midwall temp @ 16MW
	45	55	65	HRSG blended ¹ in.
	6	10.5	15	CT in Compliance
Total Minutes	86	123	160	

	Minimum	Average	Maximum	
Hours	1	2	2	Time required to blend in one emission unit on each PB after a long shutdown (>48 hours).
Minutes	26	3	40	

¹ "Blend in" means admit steam to steam turbine.

**Company
Confidential**

Methods of Operation
Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex

Abbreviations:
CT = Combustion Turbine
HRSG = Heat Recovery Steam Generator
PB = Power Block
ST = Steam Turbine

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

**Warm Blend Start-up – One Emission Unit on Power Block
(Emission Unit on One Power Block Shut Down <48 hours)**

Initial Conditions: 1(CT) on 1 (ST) at minimum load. Start and blend in off line emission unit.

Minimum	Average	Maximum	Operation Description
			Initiate start
7	10	13	Flame on.
11	13	15	Field breaker closed.
2	4.5	7	Generator Breaker closed
45	55	65	HRSG blended ¹ in.
6	10.5	15	CT in Compliance

Total Minutes	71	93	115
---------------	----	----	-----

	Minimum	Average	Maximum	
Hours	1	1	1	Time required to blend in one emission unit on each PB.
Minutes	11	33	55	

¹ "Blend in" means admit steam to steam turbine.

**Company
Confidential**

Methods of Operation

Florida Power Corporation d/b/a Progress Energy Florida, Inc.
Hines Energy Complex

Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Abbreviations:
CT = Combustion Turbine
HRSG = Heat Recovery Steam Generator
PB = Power Block
ST = Steam Turbine

Shutdown (One Emission Unit per Power Block)

Initial Conditions: 2 (CT) on 1 (ST) at minimum load. Blend out one emission unit.

Minimum	Average	Maximum	Operation Description
5	10	15	Lower Load. CT's go out of compliance at 110MW
15	20	25	Decrease power to 80 MW at 2MW/min
5	10	15	Get Steam Bypasses open, shut Block valves (~80MW)
36	38	40	Turbine Normal Stop, Decrease power to 4MW and breaker open
5	5	5	5 minute fired cool down.

Total Minutes	66	83	100
---------------	----	----	-----

	Minimum	Average	Maximum	
Hours	1	1	1	Time required to blend out one emission unit on one PB.
Minutes	6	23	40	

**Company
Confidential**

Methods of Operation
 Florida Power Corporation d/b/a Progress Energy Florida, Inc.
 Hines Energy Complex
 Power Block 2: CT2A (Emission Unit No. -014) and CT2B (Emission Unit-015)
 Power Block 3: CT3A (Emission Unit No. -016) and CT3B (Emission Unit No. -017)

Abbreviations:
 CT = Combustion Turbine
 HRSG = Heat Recovery Steam Generator
 PB = Power Block
 ST = Steam Turbine

Fuel Switch - Gas to Fuel Oil ^{1,2,3}

Initial Conditions: 2 (CT) on 1 (ST) at minimum load. Swap one emission unit at a time.

Minimum	Average	Maximum	Operation Description
5	10	15	Lower Load. CT's go out of compliance at 110MW
15	20	25	Get Steam Bypasses open, shut Block valves (~80MW)
25	30	35	Target MW load of 30MW (19%)
5	12.5	20	Transfer to fuel oil @ TXP turbine control system
25	30	35	30MW to Blend in (~80 MW); water injection begins for CT.
15	20	25	80MW to Compliance

Total Minutes per CT ²	90	122.5	155
-----------------------------------	----	-------	-----

Double these numbers for shifting both emission units to fuel oil.

	Minimum	Average	Maximum	
Hours	1	2	2	Time required to switch from gas to fuel oil operations per emission unit.
Minutes	30	2.5	35	

- ¹ Fuel Switch from fuel oil to gas is the same as above, but in reverse order.
- ² Typically an emission unit would swap from gas to oil and then back to gas in less than a 24 hour period, thus doubling the estimated time per CT per 24 hour period.
- ³ Bill Reese of Siemens Power Generation (SPG), the original equipment manufacturer (OEM), recommends operation on oil twice per month per CT to ensure reliable fuel oil operation. However, PEF operates the site at less than 1000 hours per year, which exempts the site from the CT MACT applicability. On average this will allow approximately one fuel switch per month per CT.

Permit File Scanning Request from Elizabeth

Priority: -ASAP (Public Records Request, etc.)

-Place in Normal Scanning Queue

Facility ID	Project#	Type	PSD #	Submittal Date	Batch #
6510003	032	AV		OCT 06 2010	
	031	AC			

File Approved For Disposal

Return File to BAR

Correspondence Intent Permit Draft

Amendment Application OGC Proposed

Document Date 8-2-10

FACSIMILE TRANSMITTAL SHEET

TO	JEFF KOBYNAYR, P.E.	FROM:	K. TINGBERG
COMPANY	FOOP	DATE	8/2/10
FAX NUMBER:	(850) 245-2128	total no. of pages including cover:	5
PHONE NUMBER:	921-9533	SENDER'S REFERENCE NUMBER:	
RE:		YOUR REFERENCE NUMBER:	

URGENT
 FOR REVIEW
 PLEASE COMMENT
 PLEASE REPLY
 PLEASE RECYCLE

NOTES/COMMENTS:

PLEASE SEE ATTACHED.

Keith Tingberg
Corporate Environmental
& Safety Manager



111 Ponce de Leon Avenue
Clewiston, FL 33440
Tel: 863.902.3186
Fax: 863.902.3149
Mobile: 863.233.1297
ktingberg@ussugar.com

Glades County Democrat

Published Weekly

Moore Haven, Florida

AFFIDAVIT OF PUBLICATION

State of Florida
County of Glades

Before the undersigned authority, personally appeared Judy Kasten, who on oath says she is the Advertising Director of the Glades County Democrat, a weekly newspaper published at Moore Haven in Glades County, Florida, that the attached copy of advertisement being a Public Notice

in the matter intent to issue air permits

in the 20th Judicial District of the circuit court, was published in said newspaper in the issue(s)

of 7/1/10

Affiant further says that the said Glades County Democrat is a newspaper published at Moore Haven, in said Glades County, continuously published in said Glades County, Florida, each week, and has been entered as periodicals matter at the post office in Moore Haven, in said Glades County, Florida, for a period of one year next preceding the first publication says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Judy Kasten
Judy Kasten
Sworn to and subscribed before me this 1st day of July, 2010

Angie Bridges
Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Angie Bridges
Commission # DD779718
Expires: APR. 20, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

BEST AVAILABLE COPY

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection
Notice of Intent to Issue Air Permits
United States Sugar Corporation
Clewiston Sugar Mill and Refinery
Draft/Proposed Permit No. 0510003-032-AV
Draft/Proposed Title V Air Operation Permit Renewal
Draft Permit No. 0510003-031-AC
Draft Air Construction Permit Revision

Applicant: The applicant for this project is the United States Sugar Corporation. The applicant's responsible official is Mr. Neil Smith, Vice President and General Manager of Sugar Processing Operations. The applicant's mailing address is: Clewiston Sugar Mill and Refinery, United States Sugar Corporation, 11 Ponce DeLeon Avenue, Clewiston, Florida 33440.

Location: The United States Sugar Corporation operates the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 832 in Clewiston, Florida.

Project: Sugarcane is harvested from adjacent, neighboring and remote fields in Glades, Hendry, Martin and Palm Beach counties and transported to the mill by train. In the mill, sugarcane is cut into small pieces and processed in a series of presses to squeeze juice from the cane. The juice undergoes clarification, separation, evaporation, and crystallization to produce raw, unrefined sugar. In the refinery, raw sugar is decolorized, concentrated, crystallized, dried, candied, lined, screened, packaged, stored, and distributed as refined sugar. The fibrous byproduct remaining from the sugarcane is called bagasse and is burned in boiler fuel to provide steam and heating requirements for the mill and refinery. Molasses is also produced as a byproduct. Molasses is stored and processed into an animal feed product for sale.

The primary sources of air pollution consist of five industrial boilers (1, 2, 4, 7 and 8) that fire bagasse as the primary fuel and distillate oil as a startup or supplemental fuel. Boilers 7 and 8 are also permitted to fire wood chips as an auxiliary fuel. Emissions of sulfur dioxide are minimized by the use of low sulfur fuels. Particulate matter emissions from Boilers 1, 2 and 4 are controlled by wet impingement scrubbers. Particulate matter emissions from Boilers 7 and 8 are controlled by cyclones followed by electrostatic precipitators. The largest boiler, Boiler 8, uses a selective non-catalytic reduction system with urea injection to reduce emissions of nitrogen oxides.

United States Sugar Corporation submitted an application to renew the Title V air operation permit for the existing Clewiston sugar mill and refinery, which incorporates subsequent air construction permits. The project also includes the concurrent processing of an air construction permit revision for several unit-level conditions including the removal of obsolete emissions standards, testing and monitoring requirements, removal of several conditions related to higher sulfur oil since all units now fire low sulfur distillate oil; reductions of the maximum permitted steam production and heat input rates for Boilers 1, 2 and 4 based on actual capacities; removal of obsolete test requirements for Boilers 1 and 2; removal of redundant steam production caps for Boilers 4 and 7; revisions of the wet scrubber monitoring requirements for Boiler 4; modification of the general good combustion practices and startup and shutdown procedures for Boiler 1; change in the frequency for sampling and analysis of wood chips for Boilers 7 and 8; reduce the test frequency for sulfur dioxide to before removal of the operation permit; and revision of the visible emissions test frequency for the lime unloading system.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, F.S. and Chapters 62-4, 62-210 and 62-212, F.A.C. The projects are not exempt from the permitting procedure for air construction or Title V air operation permits. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Meigs Drive, Suite 4, Tallahassee, Florida 32301 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/468-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the Draft/Proposed Permits, or Technical Evaluation and Preliminary Determination, the Statement of Basis, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: http://www.dep.state.fl.us/air/permits/airconstruction.htm

Notice of Intent to Issue Air Permits: The Permitting Authority gives notice of its intent to issue a draft/proposed Title V air operation permit renewal and an concurrent draft air construction permit revision for the projects described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-21, 62-296 and 62-297, F.A.C. The permitting authority will issue final permits in accordance with the conditions of the draft/proposed permits unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comments received in accordance with this notice result in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the draft air construction permit and the draft/proposed Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments received must be post-marked by the Permitting Authority at the above address by 5:00 p.m. on or before the end of the 30-day period. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on the permitting actions. If the Permitting Authority determines there is sufficient interest for a public meeting, it will public notice of the time, date, and location in the Florida Administrative Weekly (http://www.dep.state.fl.us/aw) and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the draft permits, the Permitting Authority will issue a revised draft permit and refile, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; (c) The name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (d) A statement of when and how the petitioner received notice of the agency action or proposed decision; (e) A statement of all disputed issues of material fact; if there are none, the petition must indicate; (f) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (g) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material fact upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permits. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

EPA Review: EPA has agreed to treat the draft Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period, as long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: http://www.epa.gov/cgand/air/airmkt/florida.htm.

Objections: Finally, pursuant to 42 United States Code (U.S.C.) Section 7661 d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-212, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

For more information regarding EPA review and objections, visit EPA's Region 4 web site at http://www.epa.gov/cgand/air/permits/florida.htm, 358459 cps 7/1/10

BEST AVAILABLE COPY

The Clewiston News

Published Weekly

Clewiston, Florida

AFFIDAVIT OF PUBLICATION

State of Florida
County of Hendry

Before the undersigned authority, personally appeared Judy Kasten, who on oath says she is the Advertising Director of the Clewiston News, a weekly newspaper published at Clewiston in Hendry County, Florida, that the attached copy of advertisement being a

in the matter of United States Sugar Corporation

in the 20th Judicial District of the circuit court, was published in said newspaper in the issue(s) of 7/1/10

Affiant further says that the said Clewiston News is a newspaper published at Clewiston, in said Hendry County, continuously published in said Hendry County, Florida, each week, and has been entered as periodicals matter at the post office in Clewiston, in said Hendry County, Florida, for a period of one year next preceding the first publication says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Judy Kasten

Sworn to and subscribed before me this 1st day of July, 2010

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Angie Bridges
Commission # DD779713
Expires: APR. 20, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection
Notice of Intent to Issue Air Permits
United States Sugar Corporation
Clewiston Sugar Mill and Refinery
Draft/Proposed Permit No. 0510003-032-AV
Draft/Proposed Title V Air Operation Permit Renewal
Draft Permit No. 0510003-031-AC
Draft Air Construction Permit Revision

Applicant: The applicant for this project is the United States Sugar Corporation. The applicant's responsible official is Dr. Neil Smith, Vice President and General Manager of Sugar Processing Operations. The applicant's mailing address is: Clewiston Sugar Mill and Refinery, United States Sugar Corporation, 111 Prince Delson Avenue, Clewiston, Florida 33440.

Location: The United States Sugar Corporation operates the existing Clewiston sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 632 in Clewiston, Florida.

Project: Sugarcane is harvested from adjacent, neighboring and remote fields in Glades, Hendry, Manatee and Palm Beach counties and transported in the mill by train. In the mill, sugarcane is cut into small pieces and processed in a series of queues to remove juice from the cane. The juice undergoes clarification, clarification, evaporation, and crystallization to produce raw, unrefined sugar. In the refinery, raw sugar is denatured, concentrated, crystallized, dried, conditioned, screened, packaged, stored, and distributed as refined sugar. The fibrous material remaining from the cane-stalk is called bagasse and is burned as boiler fuel to provide steam and heating requirements for the mill and refinery. Molasses is also produced as a byproduct. Molasses is stored and processed into an animal feed product for sale.

The primary sources of air pollution consist of five industrial boilers (1, 2, 4, 7 and 8) that fire bagasse as the primary fuel and distillate oil as a startup and supplemental fuel. Boilers 7 and 8 are also permitted to fire wood chips as an auxiliary fuel. Emissions of sulfur dioxide are minimized by the use of low sulfur fuels. Particulate matter emissions from Boilers 1, 2 and 4 are controlled by wet impingement scrubbers. Particulate matter emissions from Boilers 7 and 8 are controlled by cyclones followed by electrostatic precipitators. The largest boiler, Boiler 8, uses a selective non-catalytic reduction system with urea injection to reduce emissions of nitrogen oxides.

United States Sugar Corporation submitted an application to renew the Title V air operation permit for the existing Clewiston sugar mill and refinery, which incorporates subsequent air construction permits. The project also includes the concurrent processing of an air construction permit revision for several underlying conditions including the removal of obsolete emissions standards, testing and monitoring requirements, removal of several conditions related to higher sulfur oil since all units now fire low sulfur distillate oil, reworking of the radiation permitted steam production and heat input rates for Boilers 1, 2 and 4 based on current capabilities, removal of obsolete test requirements for Boilers 1 and 2, removal of redundant steam production rates for Boilers 4 and 7, reduction of the wet scrubber maintenance requirements for Boilers 1 and 2, modification of the normal and abnormal combustion modes, and testing and monitoring procedures for Boiler 4, change in the frequency for sampling and analysis of wood chips for Boilers 7 and 8; reduce the test frequency for sulfur dioxide to before renewal of the operation permit; and revision of the visible emission test frequency for the flare stabilizing system.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-01, 62-210 and 62-213 of the Florida Administrative Code (F.A.C.). Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, F.S. and Chapters 62-01, 62-210 and 62-213, F.A.C. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32304 and the mailing address is 2550 Blair Stone Road, NE, 32506, Tallahassee, Florida 32309-2400. The Bureau of Air Regulation's phone number is 904/666-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 9:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated herein for the Permitting Authority. The complete project file includes the Draft/Proposed Permits, the Technical Evaluation and Preliminary Determination, the Statement of Work, the Application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.), interested persons may contact the Permitting Authority's project manager for additional information, at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.statefl.us/air/permits/0510003/032-AV/>

Notice of Intent to Issue Air Permits: The Permitting Authority gives notice of its intent to issue a draft/proposed Title V air operation permit renewal and a concurrent draft air construction permit revision for the projects described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-01, 62-210, 62-211, 62-212, 62-213, 62-216 and 62-217, F.A.C. The permitting authority will issue final air construction permits and Title V air operation permits under a draft/propose permit unless a final decision for an administratively binding is filed under Sections 120.569 and 120.570, F.S. or unless public comments received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the draft air construction permit and the draft/proposed Title V air operation permit for a period of 30 days from the date of publication of this Public Notice. Written comments received must be postmarked by the Permitting Authority at the above address by 5:00 p.m. on or before the end of the 30-day period. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on the permit application. The Permitting Authority reserves the right to hold a public meeting, if it will be held, at the time, date, and location at the Florida Administrative Weekly (<http://www.faw.com>) and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the draft permits, the Permitting Authority will issue a revised draft permit and require, if applicable, another Public Notice. All comments filed will be made available to the public, in part.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.570, F.S. The petition must contain the information set forth below and must be filed with and received by the Executive of the Agency Clerk in the Office of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3030. Petitions filed by any person other than those entitled to submit a notice under Section 120.600(3), F.S. must be filed within 10 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.600(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 60 days of the date of the agency action.

TITLE V AIR CONSTRUCTION PERMIT REVIEW

Applicant: The applicant for this project is the United States Sugar Corporation. The applicant's responsible official is Mr. Neil Smith, Vice President and General Manager of Sugar Processing Operations. The applicant's mailing address is: Cleveland Sugar Mill and Refinery, United States Sugar Corporation, 111 Force Dolecan Avenue, Cleveland, Florida 33401.

BEST AVAILABLE COPY

Location: The United States Sugar Corporation operates the old Fort Cleveland sugar mill and refinery, which is located in Hendry County at the intersection of W.C. Owens Avenue and State Road 632 in Cleveland, Florida.

Project: Sugarcane is harvested from adjacent, neighboring and remote fields in Glades, Hendry, Manatee and Palm Beach counties and transported to the mill by train. In the mill, sugarcane is cut into small pieces and processed in a series of presses to squeeze juice from the cane. The juice undergoes clarification, separation, evaporation, and crystallization to produce raw, unrefined sugar. In the refinery, raw sugar is re-crystallized, centrifuged, washed, washed, recovered, pressed, dried, and finished to equal grade. The finished intermediate granules from the sugarcane 8-1000 (M3) and is burned as boiler fuel to provide steam and heating requirements for the mill and refinery. Molasses is also produced as a by-product. Molasses is stored and processed into an animal feed product for sale.

The primary sources of air pollution consist of five industrial boilers (1, 2, 4, 7 and 8) that use bagasse as the primary fuel and distillate oil as a startup and supplemental fuel. Boilers 7 and 8 are also permitted to use wood chips as an auxiliary fuel. The emissions of sulfur dioxide are eliminated by the use of low sulfur fuels. Particulate matter emissions from Boilers 1, 2 and 4 are controlled by wet impingement scrubbers. Particulate matter emissions from Boilers 7 and 8 are controlled by cyclones followed by electrostatic precipitators. The largest boiler, Boiler 8, uses a selective non-catalytic reduction system with steam injection to reduce emissions of nitrogen oxides.

United States Sugar Corporation submitted an application to revise the Title V air operation permit for the old Fort Cleveland sugar mill and refinery, which incorporates subsequent air construction permits. The project also includes the concurrent processing of an air construction permit revision for several underlying conditions including the removal of obsolete emissions standards, boiler and maintenance requirements removal of several conditions related to higher sulfur oil since all units now use low sulfur distillate oil, reduction of the maximum permitted steam production and heat input rates for Boilers 1, 2 and 4 based on actual capacities, removal of obsolete test requirements for Boilers 1 and 2, removal of residential ozone generation caps for Boilers 4 and 7, revisions of the wet scrubber monitoring requirements for Boiler 8, modification of the general gross combustion monitor and startup and shutdown procedures for Boiler 8, change in the frequency for sampling and analysis of wood chips for Boilers 7 and 8, reduce the test frequency for sulfur dioxide to before approval of the permit, permit, and revision of the visible emission test frequency for the new underlying system.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, F.S., and Chapters 62-4, 62-210 and 62-212, F.A.C. The projects are not exempt from the permitting procedures for air construction or Title V air operation permits. The Florida Department of Environmental Protection, Bureau of Air Regulation is the Permitting Authority responsible for issuing a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Huguenot Drive, Suite 4, Tallahassee, Florida 32304 and the mailing address is 2500 Blue Stone Road, SE 1509, Tallahassee, Florida 32309-2400. The Bureau of Air Regulation's phone number is 904/498-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the draft proposed permit, the Technical Evaluation and Preliminary Determination, the Statement of Case, the application and information submitted by the applicant for a range of conditions that are included under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/permits/standards/permits/>.

Notice of Intent to Issue Air Permits: The Permitting Authority gives notice of its intent to issue a draft/proposed Title V air operation permit renewal and a concurrent draft air construction permit revision for the project described above. The applicant has provided reasonable assurance that operation of the facility will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-210, 62-212, 62-213, 62-214, 62-215, 62-216, and 62-217, F.A.C. The permitting authority will issue final permits in accordance with the conditions of the draft/proposed permits unless a timely petition for an administrative hearing is filed under Sections 170.565 and 170.57, F.S., or unless public comments received in accordance with this notice result in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the draft air construction permit and the draft/proposed Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments received must be postmarked by the Permitting Authority of the above address by 5:00 p.m. on or before the end of the 30 day period. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on the permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly (<http://www.dep.state.fl.us>) and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change in the draft permit, the Permitting Authority will issue a revised draft permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 170.569 and 170.57, F.S. The petition must contain the information set forth below and must be filed with (forwarded by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Palm Station #25, Tallahassee, Florida 32399-3600. Petitions filed by any person other than those entitled to written notice under Section 170.57(7), F.S., must be filed within 30 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 170.57(7), F.S., however, any person who served the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant, at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 170.569 and 170.57, F.S., or to intervene in the proceeding had participated as a party to it. Any subsequent intervention (or a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 20.106.205, F.A.C.

A petition that disputes the material facts on which the permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed action; (d) A statement of all disputed facts at material fact; if there are none, the petitioner must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rule or statute; and (g) A statement of the relief sought by the petitioner, stating precisely the action the permitting Authority's action is based shall state that no such facts are in dispute and material facts shall contain the same information as set forth above, as required by Rule 20.106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permits. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

EPA Review: EPA has agreed to treat the draft Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a written petition to object to the EPA Administrator will be determined at EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of the project and the deadline for submitting a written petition can be found at the following website address: <http://www.epa.gov/epaospp/air/permits/080608a.htm>.

Objections: Finally, pursuant to 42 United States Code (U.S.C.) Section 7601 (f)(9)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period, as established at 42 U.S.C. Section 7601(d)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit previously issued pursuant to the provisions of Chapter 62-212, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7601(f)(9)(2) and must be filed with the Administrator of the EPA within 60 days.